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

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

April 17, 2001
StID # 3920

Ms. Bette Jean Cereske
Cereske Electric Cable Co., Inc.
1688 24th St.
Oakland CA 94607

Re: Request for MTBE Analysis for 1688 24th St., Oakland CA 94607

Dear Ms. Cereske:

Our office has reviewed the case file for the referenced site as it pertains to the 1995 removal of the 2,000 and 500 gallon gasoline tanks. It appears that most of the petroleum impacted soil has been removed as well as the contaminated groundwater. Our office is prepared to consider this site for closure. However, prior to closure consideration, you will be required to analyze a groundwater sample for the analyte, methyl tertiary butyl ether (MTBE) per State Water Resources Control Board guidelines. This sample should be taken in a location within the former tank pit or down-gradient of the former gasoline tanks. Alternatively, should existing analytical data exist where the analytical laboratory can determine the presence of MTBE (ie a MTBE standard was run during the BTEX analysis even though MTBE was not reported), this can be done in lieu of additional analysis. Please provide a work plan or analytical lab interpretation for MTBE quantification as soon as possible. Should you sample groundwater, it would also be advisable to test for total petroleum hydrocarbons as gasoline and BTEX, to confirm current groundwater concentrations.

Please be advised, I am new contact for this site. You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: B. Chan, files
Mr. Gary Lowe, H20 GEOL, P.O. Box 2165, Livermore, CA 94551

MTBErq1688 24th

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

February 21, 1997
STID 3920

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Bette Jean Cereske
Cereske Electric Cable Co., Inc
1688-24th St.
Oakland CA 94607

RE: Cereske Electric Cable Co., Inc, 1688-24th St., Oakland CA 94607

Dear Ms. Cereske,

Since my last letter to you, dated 5/10/96, the following documents have been received in this office:

1) "Overexcavation and Sampling report," prepared by H2O GEOL, dated 1/15/97; and

2) "Workplan for limited Soil and Water Investigation," prepared by H2O GEOL, dated 2/12/97.

The workplan is acceptable for implementation. Please notify me 2 business days prior to field work.

You may contact me directly at 510-567-6761 if you have further questions.

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: Gary Lowe,H2O GEOL, PO Box 2165, Livermore CA 94551
Tom Reese, Decon, 23490 Connecticut St., Hayward CA 94545-1607
J. Eberle/file

je.3920-D

H₂OGEOL
A GROUNDWATER CONSULTANCY

Ms. Jennifer Eberle
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Department of Environmental Health
Hazardous Materials Division
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502-6577

February 12, 1997

RE: StID # 3920 - Workplan for limited Soil and Water Investigation
Cereske Electric Cable Co., 1688 - 24th Street, Oakland, CA.

Dear Ms. Eberle;

Pursuant to your letter of December 19, 1996, addressed to Ms. Bette Jean Cereske of Cereske Electric Cable Co. (CEC), this letter serves to fulfill the requirement that CEC "submit a workplan for a SWI (Soil and Water Investigation)" requested on Page 2, Paragraph 1. As required two soil sample locations are included in the SWI and groundwater will be sampled to the north of the former UST pit.

Soil samples will be collected for TPH-gasoline plus BTEX analysis at two locations. The soil column will be examined between ground surface and first encountered groundwater (approximately 4.8 feet below grade). The soil column will be accessed by using a hand auger. The sampling depth will be either just above first encountered water or the soil demonstrating the highest odor. The groundwater sample will be collected from a third augerhole (HA-3) placed northerly of the former UST pit (adjacent to the building wall) to conform with ACDEH's conception of the groundwater flow direction based on their review of the files of the nearby Pacific Supply site, located at 1735-24th Street. The proposed locations (HA-1, HA-2, and HA-3) are shown on Figure 1 and are as previously discussed by you with the undersigned. Analytical services will be provided by Chromalab, Inc. a State certified analytical laboratory.

H_2OGEOL will schedule the work described in this workplan after receiving your confirmation to proceed.

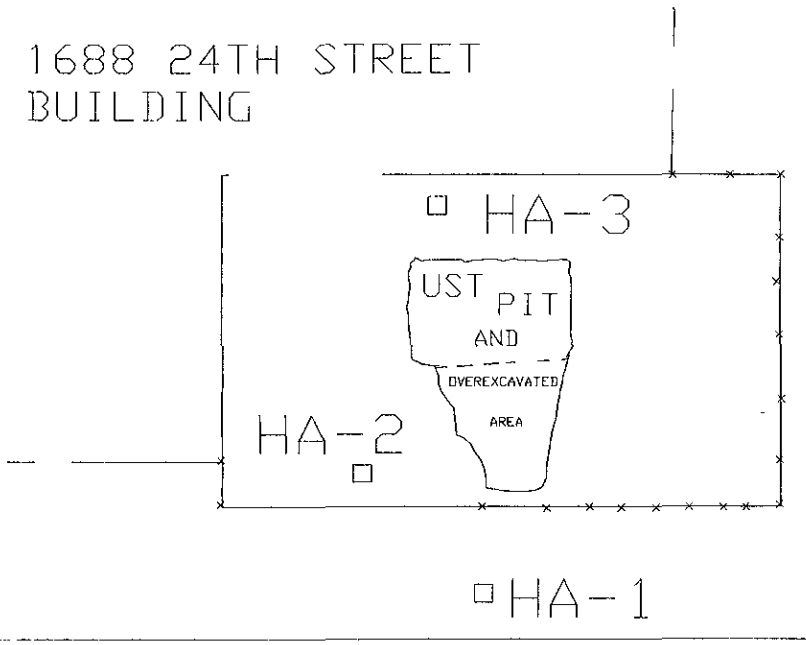
Please do not hesitate to call me at (510) 373-9211 should you have any questions.

Sincerely,

Gary D. Lowe,R.G.,C.E.G.,C.H.
Principal, Hydrogeologist

REGISTERED GEOLOGIST
GARY D. LOWE
No. 79
STATE OF CALIFORNIA

xc: Ms. Bette Jean (Buffy) Cereske of Cereske Electric Cable Co.



APPROXIMATELY
25 FEET
Site features approximately located.

H2OGEOL
A GROUND WATER CONSULTANCY

LOCATIONS OF PROPOSED HAND AUGERHOLES
SWI WORKPLAN - FEBRUARY 12, 1997

CERESKE ELECTRIC CABLE CO., INC.
1688-24TH STREET, OAKLAND, CALIFORNIA

FIGURE
1

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

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

December 19, 1996
STID 3920

Bette Jean Cereske
Cereske Electric Cable Co., Inc
1688-24th St.
Oakland CA 94607

RE: Cereske Electric Cable Co., Inc, 1688-24th St., Oakland CA 94607

Dear Ms. Cereske,

Since my last letter to you, dated 5/10/96, the following documents have been received in this office:

1) fax from H2O GEOL, dated 6/18/96 (laboratory results for soil samples collected 5/31/96);

2) fax from H2O GEOL, dated 7/9/96 (laboratory results for soil and water samples collected 6/24/96); and

3) fax from H2O GEOL, dated 8/19/96 (laboratory results for soil and water samples collected 8/2/96).

I was present onsite on those three dates during the collection of samples. The 5/31/96 work consisted of trenching to delineate the lateral extent of soil contamination. The 6/24/96 work consisted of tank pit soil and water samples. The 8/2/96 work consisted of overexcavation and sampling of soil and water.

I was recently informed by your consultants that since the last round of samples (8/2/96), water was pumped out from the excavation into an above-ground storage tank (AST). I understand that the Regional Water Quality Control Board (RWQCB) gave permission to empty the AST into the storm drain once the excavation is filled in, based on sample results from the water therein. It is important to backfill the excavation asap, since the entrance of the winter rains into the excavation tends to speed up the migration of the groundwater plume. As you know, this excavation has been left open since the removal of the USTs on 7/12/95. **Therefore, you are required to backfill the open tank cavity with clean, imported fill within 30 days or by January 19, 1997.**

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

II, III

Site ID # _____ Site Name Cerepke Today's Date 8/2/96

Site Address 1688 - 24th St

City Oak Zip 94607 Phone _____

_____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

overex + samplg.

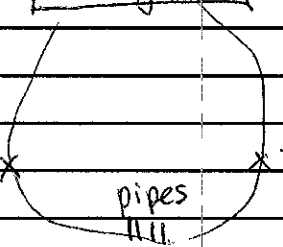
Inspection Categories:

_____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
_____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
_____ III. Underground Storage Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

11:15 Gary Lowe onsite.

Comments: We just took a water sample from fresh in-flow pit water. Evergreen was here earlier + pumped ~ 2500 gal pit water prior to overex. A dump truck is here, + they're filling it w/ soil from today's work. It's already been profiled (fm borings) + is going to Class 2. Strong HC odors during overex. 11:30 Sample #1: clayey sand, 4'8", HC odor, moist 11:32 #2 same stats. 11:40 Placed SP soil onto waiting truck. We found 2 more pipes (2" diam), going towards 24th St., buried 3-4' bgs. 12:15 Began trenching along those pipes towards 24th St. to see if there is another UST. This area (nearest 24th St) is our contam. area. The sidewalk in front of the parking lot is asphalted (@ is parkg lot), which differs fm adjacent site sidewalk (concrete) towards Mandela Pky. Piping ended at the fenceline (old break--not fresh). Soil around this piping has HC odor + should be removed along w/existing SP.



12:43 left site.

Contact Gary Lowe

Title Principal Hydrogeologist

Signature Gary Lowe

Inspector J. Eberle

Signature J. Eberle

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name Cereske Today's Date 6/24/96

Site Address 1688-24th St.

City Oakland Zip 94607 Phone ____________

_____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.? tank pit samples

Inspection Categories:

____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER

✓ II. Hazardous Materials Business Plan, Acutely Hazardous Materials

✓ III. Underground Storage Tanks

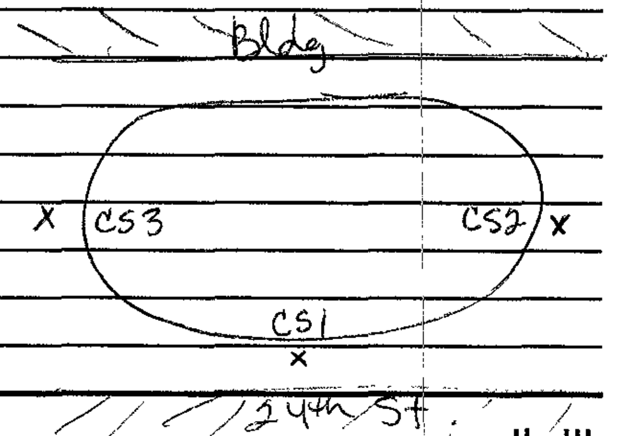
* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

10:00 arrived onsite

Comments: Met Gary Lowe. The plan is to hand auger around 3 sides of tank pit ~1-2' from edge of tank pit (no backhoe today). 10:25 Collected CS1 10:55 Collected CS2.

Soil stockpile to be sampled ~~at~~ from a depth of at least 2' into the pile, in 3 discrete samples.

sample	depth	soil	HC odor
CS1	3.7'	fill- clay + clayey sand	strong
CS2	3.7'	ditto	none



left site 11:05

II, III

Contact Gary Lowe

Title H2OBESC Principal, Hydrogeol.

Signature [signature]

Inspector J. Eberle

Signature [signature]

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

II, III

Site ID # _____ Site Name Cereske Today's Date 5/31/96

Site Address 1688-24th St.

City Oakland Zip 94607 Phone _____

_____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
✓ III. Underground Storage Tanks

trenching/test hole investigation to delineate extent of HCs.

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

10:05 Met Gary Lowe + Tom Reese onsite. Gary noted historic surface water channels in the immediate vicinity of this site, on a USGS map: Map I-239 (Misc. Geol. Invest.) 1957 - West Oakland.
11:05 Found 2 pipe lines in trench/test hole for sample #3. So we speculate there may be another UST, near 24th St.
11:20 Since this boring appears hot, we trenched in the "sidewalk" in front of 24th St. to 1) find piping + 2) chase contamination.
12:10 Took sample #5. Did not find another UST, but found concrete chunks in trench at ~3' bgs. This site is paved w/asphalt (including sidewalk), but adjacent site's sidewalk is concrete. UST pit is open, but a secure fence surrounds it. Trench in sidewalk must be secured before end of work day. 12:30 Hand-augered "test hole" sample #1 near bldg. One more sample to go (#4). Must get back to office. Analyze samples for TPH-g + BTEX. See attached map.

2:47 left site

Contact Gary Lowe, R.G. CEG CH
Title Principal Hydrogeologist H2GEO
Signature _____

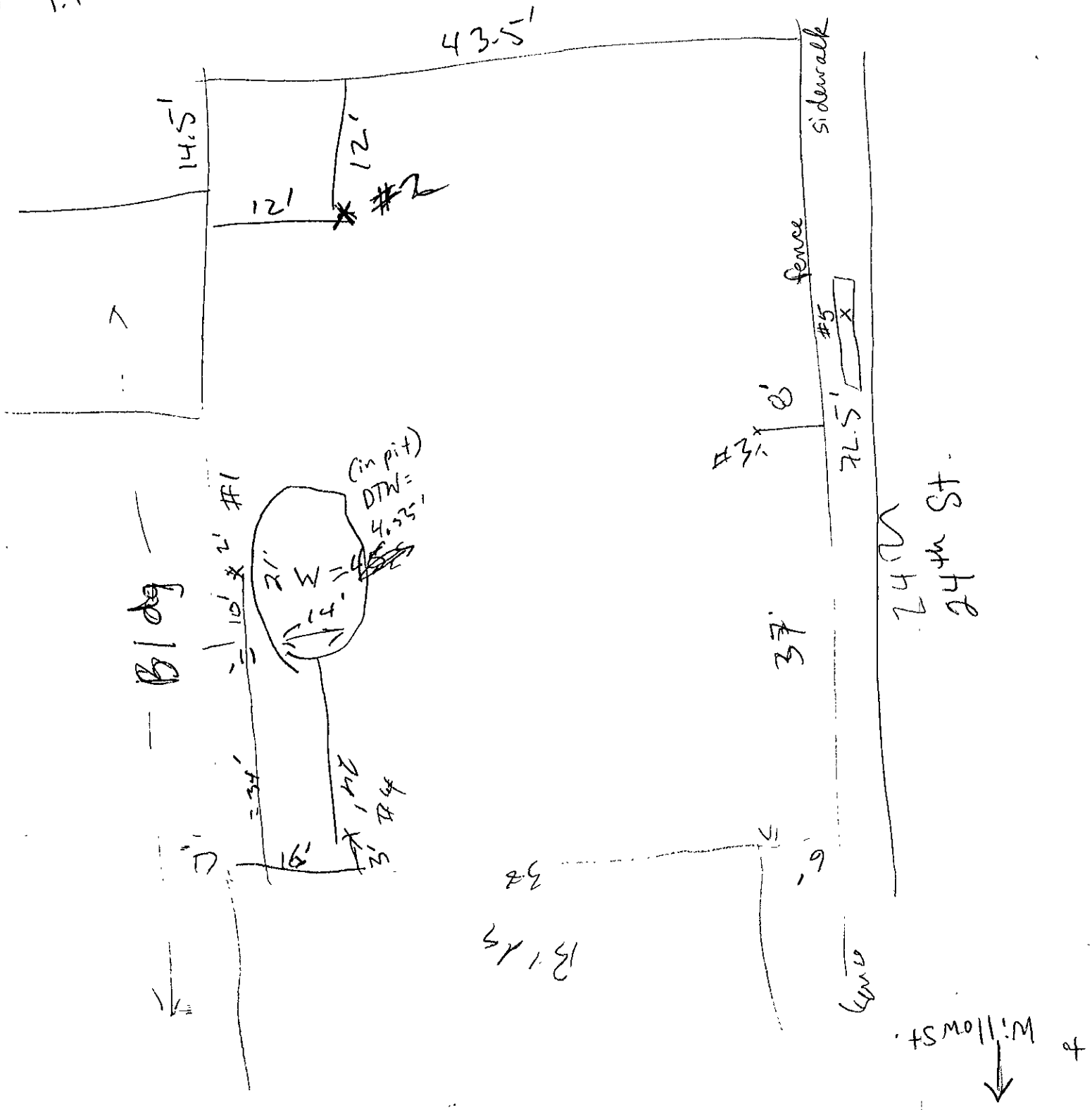
Inspector Jennifer Eberle
Signature Jennifer Eberle

II, III

5/31 - 1pm 07:03

5-31 samples: 936.0 - 970.2

#2 4.7' clayey sand, no odor, green, wet
#3 4.8' " strong odor " saturated
#5 3' " " brown, dry
#1 4.4' " no odor brown wet



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

RAFAT A. SHAHID, DIRECTOR
Alameda County Environmental Health Div.
Mail Code: 430-4580
Environmental Protection Services
1131 Harbor Bay Parkway, Room 250
Alameda CA 94502-6577

May 10, 1996
STID 3920

Bette Jean Cereske (also via fax on 5/10/96)
Cereske Electric Cable Co., Inc
1688-24th St.
Oakland CA 94607

RE: Cereske Electric Cable Co., Inc, 1688-24th St., Oakland CA 94607

Dear Ms. Cereske,

I am in receipt of your letters dated 2/8/96 and 5/1/96. A bid proposal prepared by Decon, dated 4/16/96, is attached to your 5/1/96 letter. This proposal involves the removal of contaminated soil from the former UST pit, including the previously unsampled stockpile material. Grab groundwater and soil sidewall samples will be collected from the open excavation, and analyzed for TPH-gasoline and BTEX. The soil removed from the former UST pit will be initially sampled, then aerated under BAAQMD permit/notification for approximately one month. Confirmation samples will be collected at a rate of 1 discrete sample per 20 yd3. Groundwater at a nearby site (Pacific Supply at 1735-24th St.) occurs at a depth of approximately 5 to 9' bgs.

This proposal shall be implemented within 2 weeks, or by May 24, 1996. *Note that you passed the deadlines in my letter dated 7/26/95 and the Second Request letter dated 1/5/96. The next step would normally be a Notice of Violation. It has been 10 months since the USTs were removed, without any follow up investigation on your part.* If sidewall and/or groundwater samples contain elevated concentrations of contaminants, then further work may be required.

Please notify me by phone at least 3 business days in advance of field activities. Note that our offices are closed on 5/27/96 for Memorial Day. Please do not schedule the work for that day. You may contact me directly at 510-567-6761 if you have further questions.

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: Tom Reese, Decon, 23490 Connecticut St., Hayward CA 94545-1607
Gil Jensen, Alameda County District Attorney, Office of Consumer and Environmental Protection
Acting Chief/file
je.3920-B

CERESKE ELECTRIC CABLE CO., INC.

May 1, 1996

ENVIRONMENTAL PROTECTION
96 MAY -6 PM 2:04

Alameda County
Health Care Services
1131 Harbor Bay Parkway #250
Alameda, CA 94502-6577
Attn: Jennifer Eberle

Dear Ms. Eberle:

I am enclosing a copy of our quotation for the contaminated soil removal The company that we feel is the best is :

Decon Environmental Services, Inc.
23490 Connecticut Street
Hayward, CA 94545
Phone (510) 732-6444
Fax (510) 782-8584
Contact Tom Reese

Please review the proposal and advise the next step . Thank you for your time in this matter.

Sincerely,

Buffy Cereske

P.O. Box 23872, Oakland, CA 94623 ■ 1688-24th Street, Oakland, CA 94607
(510) 832-3546 ■ Toll Free — (800) 522-9975 ■ FAX — (510) 832-2107

DECON
ENVIRONMENTAL SERVICES, INC.

April 16, 1996

Pam Campbell
Cereske Electrical
1688 24th Street
Oakland, California 94607

RE: EXCAVATION OF CONTAMINATED SOIL
1688-24TH STREET, OAKLAND

Dear Ms. Campbell:

DECON Environmental Services, Inc. (DECON) is pleased to present this proposal to provide soil remediation services at your site in Oakland. This site is contaminated from leaking underground gasoline storage tanks. This work will be performed in accordance with all applicable environmental regulations. Our proposal letter includes a work plan, timetable, and cost for performing the specified work.

DECON is a licensed hazardous waste remediation contractor. We hold the general liability ($3 million), pollution impairment liability ($1 million), and workers compensation (statutory) insurance necessary to perform work in this field. All employees undergo a rigorous medical surveillance program. Our training includes both internal and 40-hour safety training conducted by consultants which exceeds the requirements set forth in 29 CFR § 1910.120. We pride ourselves in promptly returning our clients' property to environmentally acceptable conditions.

WORK PLAN

DECON proposes to perform all underground storage tank remediation services necessary to meet your needs and conform with the standards of governing regulatory agencies, including the Alameda County Health Agency, Division of Hazardous Materials (Health Dept.), and the Bay Area Air Quality Management District (BAAQMD). The scope of work shall include the following tasks:

1. **Permits**: All applicable permits will be completed by DECON and submitted along with the associated fees as required.

2. **Site Preparation**: The work zone will be isolated from direct access with barricades and caution tape. The existing concrete stockpile will be loaded into a dump truck and disposed of as non-hazardous rubble. DECON will excavate the contaminated soil from the tank pit to the extent possible given the shallow depth of groundwater.

3. **Stockpile**: The excavated soil will be stockpiled on the adjacent lot to a depth of one foot and then covered with

visqueen. We assume a soil volume of approximately 60 cubic yards.

4. **Sampling**: DECON will collect one soil sample from each sidewall and one water sample from the groundwater. A four point composite shall be collected from the stockpiled soil for the aeration permit. The six samples will be transported to a state certified laboratory and analyzed for Total Petroleum Hydrocarbons as Gasoline (TPH-G) and Benzene, Toluene, Ethylbenzene and Xylene (BTEX).

5. **Aeration**: DECON will apply for an aeration permit from BAAQMD. The soil will be uncovered and aerated according to schedule published in BAAQMD Regulation 8, Rule 40. The soil will be turned once with a skip loader during this process. Once the aeration process is complete DECON will collect one discreet stockpile sample per 20 cubic yards per the Health Dept. regulations. We assume a stockpile volume of 60 cubic yards and have included the analysis of three stockpile confirmation samples. The aeration process takes approximately one month to complete.

S-9' at 1735-24th St

6. **Backfill and Compaction**: We know from working in the area that groundwater exists at approximately 4 to 8 feet below ground surface. We have included in our lump sum price the purchase and placement of up to 20 tons (equivalent to the former tank volumes) of drain rock to bridge the groundwater and stabilize the excavation. This is necessary to prevent future subsidence or settling in the area. DECON will backfill and compact the remainder of the excavation using the native soil that was excavated and aerated. A geo-textile fabric will be placed between the drain rock and native soil to prevent infiltration.

7. **Report**: DECON will prepare a letter report summarizing your soil remediation project. The report will include laboratory analytical reports, and copies of all permits that were obtained to perform this work.

8. **Resurfacing**: The edges of the asphalt will be cut with a diamond blade saw to neat, straight lines. All concrete and asphalt rubble will be loaded into a dump truck and disposed of as non-hazardous waste. The top of the excavation will be fine graded with Class II baserock and compacted. The disturbed area will be resurfaced with four inches of hot asphalt according to Cal Trans specifications.

DECON will subcontract this task. You will be billed at our cost plus 20% for this task. If you wish you may make all the necessary arrangements for resurfacing yourself and avoid our markup. This task typically costs approximately $5 per square foot to accomplish.

Exclusions: The scope of work outlined above does not include removal or relocation of subsurface materials or utilities which

may obstruct the excavation, site dewatering, shoring, disposal of contaminated soil, or additional work that may be required based on the presence of other contaminants.

TIMETABLE

DECON can begin work on this project immediately upon receiving a signed contract. DECON will commence field work as soon as possible after permitting is completed. The excavating, stockpiling and sampling can be completed in one day. The aeration process takes approximately one month to complete depending on the weather conditions. Backfilling and resurfacing can be completed in two days once the aeration is complete. DECON will accommodate whatever alternative scheduling arrangements or designated work hour restrictions that are necessary.

OPTIONS

This proposal satisfies the requirements of the Health Dept. as we understand them to be stated in the letters dated July 26, 1995 and January 5, 1996 and through a subsequent conversation with Jennifer Eberle. It is possible that the excavating activities may not recover all the gasoline that was released and that the groundwater is also contaminated. As you mentioned during the job walk, if the water is contaminated it may be from a source off site. It is presently not known whether or not the water is contaminated as the previous contractor did not perform groundwater sampling. DECON will provide you with and addendum to this proposal if our testing of the water indicates the presence of contamination.

COMPENSATION

DECON offers to perform the work outlined in this proposal under our standard Terms and Conditions. Our price for this work is as follows:

Items 1 through 7	Lump Sum Amount	$6,750.
Item 8	Estimated Amount	$2,500.

If you have any questions regarding this proposal please call me at (510) 732-6444.

Sincerely,

Tom Reese
Project Manager

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

RAFAT A SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

July 26, 1995
STID 3920

Bette Jean Cereske
Cereske Electric Cable Co., Inc
1688-24th St.
Oakland CA 94607

Dear Ms. Cereske,

On 7/12/95, one 2,000-gallon and one 500-gallon gasoline Underground Storage Tanks (USTs) were removed from this site. I was present onsite to witness the tank removal activities. Strong petroleum hydrocarbon odors and stained soils were witnessed during the tank excavation. Laboratory results were received in this office on 7/25/95, and indicated that subsurface soils in the tank excavation were contaminated with concentrations as high as 630 parts per million (ppm) Total Petroleum Hydrocarbons as gasoline (TPH-g), and up to 3.0 ppm benzene. The soils removed prior to removal of the USTs (aka stockpiled soils) were backfilled into the excavation to ensure site safety. This was done with the understanding (between the contractor and myself), that if the soils sampled from the pit were contaminated, the stockpiled soils would be removed.

You are therefore requested to remove contaminated soils from the excavation, and to collect verification samples from the excavation, within 30 days, or by August 26, 1995. If groundwater is present in the excavation during overexcavation activities, then soil samples will be collected from the sidewalls at a rate of one per 20 linear feet, or otherwise as specified by the County inspector. A sample of the groundwater will also be collected. All samples will be analyzed for TPHg and Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX).

There are state funds available for remediation of UST sites. These funds reimburse responsible parties, such as yourselves, for the costs associated with remediation. I have enclosed a brochure outlining this program. Included are phone numbers for people to help you with this process. Please note that the UST CleanUp Fund specifies bidding requirements and deductibles. **Please direct questions re the Fund to Christopher Stevens (916-227-4519) or Jim Munch (916-227-4430) of the State Water Resources Control Board, UST CleanUp Fund.**

Please note that a refund of $630 (from the original $894) will be returned to your contractor, Darin Reinholdt, because the tank removal project is complete in terms of our "deposit/refund" program. The "deposit/refund" method of charging for our services is for site remediation work that is not eligible for inclusion in the Local Oversight Program (LOP). The LOP is a federal and state petroleum underground storage tank cleanup program for sites with known contamination; the billing is done by the State Water Quality Control Board. Your case has been transferred to LOP as of 7/14/95; a separate Notice is being sent to you.

Please notify me at least 2 business days in advance (by telephone) prior to the start of field work. I must be present onsite during sampling activities. You may contact me directly at 510-567-6761 if you have further questions.

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: Darin Reinholdt, PO Box 271943, Concord CA 94527
Tom Peacock/file

je.3920

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

RAFAT A. SHAHID, Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Environmental Protection Division
1131 Harbor Bay Parkway, #250
Alameda, CA 94502-6577
(510) 567-6700

January 5, 1996
STID 3920

Bette Jean Cereske
Cereske Electric Cable Co., Inc
1688-24th St.
Oakland CA 94607

RE: Cereske Electric Cable Co., Inc, 1688-24th St., Oakland CA 94607

SECOND REQUEST

Dear Ms. Cereske,

On 7/12/95, one 2,000-gallon and one 500-gallon gasoline Underground Storage Tanks (USTs) were removed from this site. I was present onsite to witness the tank removal activities. Strong petroleum hydrocarbon odors and stained soils were witnessed during the tank excavation. Groundwater was seen seeping into the excavation at a depth of 5'bgs during tank removal. Laboratory results were received in this office on 7/25/95, and indicated that subsurface soils in the tank excavation were contaminated with concentrations as high as 630 parts per million (ppm) Total Petroleum Hydrocarbons as gasoline (TPH-g), and up to 3.0 ppm benzene.

The soils removed prior to removal of the USTs (aka stockpiled soils) were backfilled into the excavation to ensure site safety. The stockpile was NOT sampled before backfilling. This was done with the understanding (between the contractor and myself), that if the soils sampled from the pit were contaminated, the stockpiled soils would be removed. Standard protocol is to sample the stockpile, and to leave the excavation open until further source removal (i.e. overexcavation of soils) occurs. This would have been at an additional cost and inconvenience to you at that time. It is for these reasons that this office allowed you the flexibility it did, with respect to the temporary backfilling of the stockpiled soil.

In correspondence to you dated 7/26/95, you were requested to remove contaminated soils from the excavation, and to collect verification samples. To date, no response to this request has been received. We understand that the subject soils are still present in the UST excavation.

Following a release from an UST, such as occurred at your site, further investigation is required to determine the extent of the release to both soil and groundwater. **At this time, you are requested to perform a Soil and Water Investigation (SWI)**, as per Sect. 2724 of Chapter 16, Division 3, Title 23, California Code of Regulations. Rapid site assessment methods (i.e. cone penetrometer testing, geoprobe, hydropunch, etc.) are suggested to qualitatively assess impacts and to define the extent of the contaminant plume, as a first step of the SWI, before proposing permanent well placement, if necessary. You may want to approach the SWI by removing contaminated soils from the excavation, enlarge the excavation to remove contaminated soil previously sampled therein, and to collect verification samples from the excavation. Or you may

want to install soil borings. **The stockpiled soil that was returned to the excavation must be sampled as part of the SWI. Please submit a workplan for a SWI within 30 days, or by February 5, 1996.**

Please be advised that "no person shall close an underground tank system unless that person . . . demonstrates to the appropriate agency . . . that the site has been investigated to determine if there are any present, or were past releases, and if so, that appropriate corrective or remedial actions have been taken," as per Section 25298 (c) (4) of the California Health & Safety Code, (CH&SC) Division 20, Chapter 6.7. Further, "any owner of an underground tank system shall be liable for a civil penalty of not less than five hundred dollars ($500) or more than five thousand dollars ($5,000) for each underground storage tank for each day of violation for. . .failure to properly close an underground tank system," as per Section 25299(b)(3) and (b)(6) of CH&SC, Division 20, Chapter 6.7. This office considers that you are presently in violation of HSC Chapter 6.7, Section 25298(c)(4). Compliance will be achieved once the SWI workplan is submitted, approved, and implemented.

I suggest you start getting bids from competent and qualified environmental consultants, and contact the State Water Resources Control Board (SWRCB) at 916-227-4430 to determine your eligibility to access state UST Cleanup Fund monies to assist you in completion of the project. You may contact me directly at 510-567-6761 if you have further questions.

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: Darin Reinholdt, PO Box 271943, Concord CA 94527
Gil Jensen, Alameda County District Attorney, Office of Consumer and Environmental Protection
Acting Chief/file

je.3920-A

CERESKE ELECTRIC CABLE CO., INC.

February 8, 1996

Alameda County
Health Care Services
1131 Harbor Bay Parkway #250
Alameda, CA 94502-6577
Attn: Jennifer Eberle

Dear Ms. Eberle:

I have received your correspondence regarding the removal of our gas tanks and the ground contamination. I am aware of what needs to be done and I want to assure you than whatever is required will be taken care of. It is taking much longer than anticipated to get qualified bids for the work. I have asked for workplans and quotations from the following contractors.

Reinholdt & Associates
P. O. Box 271943
Concord, CA 94527
Contact: Darin Reinholdt 510-229-9120

Tank Protect Engineering
2821 Whipple Road
Union City, CA 94587
Contact: Lee Huckins 510-429-8088

Bernabe and Brinker Inc..
2240 Wood Street
Oakland, CA 94607
Contact : James Brinker 510-451-3482

I did want to let you know than I am making progress on our situation but it will take longer than anticipated. I will be out of the country for three weeks and I anticipate the work will begin immediately after my return. If you have any questions in my absence please call Jeff Strobel at 415-731-1940. Thank you for your patience.

Sincerely,

Catherine Cereske

P.O. Box 23872, Oakland, CA 94623 ▪ 1688-24th Street, Oakland, CA 94607
(510) 832-3546 ▪ Toll Free — (800) 522-9975 ▪ FAX — (510) 832-2107

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

RAFAT A. SHAHID, Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Environmental Protection Division
1131 Harbor Bay Parkway, #250
Alameda, CA 94502-6577
(510) 567-6700

January 5, 1996
STID 3920

Bette Jean Cereske
Cereske Electric Cable Co., Inc
1688-24th St.
Oakland CA 94607

RE: Cereske Electric Cable Co., Inc, 1688-24th St., Oakland CA 94607

SECOND REQUEST

Dear Ms. Cereske,

On 7/12/95, one 2,000-gallon and one 500-gallon gasoline Underground Storage Tanks (USTs) were removed from this site. I was present onsite to witness the tank removal activities. Strong petroleum hydrocarbon odors and stained soils were witnessed during the tank excavation. Groundwater was seen seeping into the excavation at a depth of 5'bgs during tank removal. Laboratory results were received in this office on 7/25/95, and indicated that subsurface soils in the tank excavation were contaminated with concentrations as high as 630 parts per million (ppm) Total Petroleum Hydrocarbons as gasoline (TPH-g), and up to 3.0 ppm benzene.

The soils removed prior to removal of the USTs (aka stockpiled soils) were backfilled into the excavation to ensure site safety. The stockpile was NOT sampled before backfilling. This was done with the understanding (between the contractor and myself), that if the soils sampled from the pit were contaminated, the stockpiled soils would be removed. Standard protocol is to sample the stockpile, and to leave the excavation open until further source removal (i.e. overexcavation of soils) occurs. This would have been at an additional cost and inconvenience to you at that time. It is for these reasons that this office allowed you the flexibility it did, with respect to the temporary backfilling of the stockpiled soil.

In correspondence to you dated 7/26/95, you were requested to remove contaminated soils from the excavation, and to collect verification samples. To date, no response to this request has been received. We understand that the subject soils are still present in the UST excavation.

Following a release from an UST, such as occurred at your site, further investigation is required to determine the extent of the release to both soil and groundwater. **At this time, you are requested to perform a Soil and Water Investigation (SWI)**, as per Sect. 2724 of Chapter 16, Division 3, Title 23, California Code of Regulations. Rapid site assessment methods (i.e. cone penetrometer testing, geoprobe, hydropunch, etc.) are suggested to qualitatively assess impacts and to define the extent of the contaminant plume, as a first step of the SWI, before proposing permanent well placement, if necessary. You may want to approach the SWI by removing contaminated soils from the excavation, enlarge the excavation to remove contaminated soil previously sampled therein, and to collect verification samples from the excavation. Or you may

want to install soil borings. **The stockpiled soil that was returned to the excavation must be sampled as part of the SWI. Please submit a workplan for a SWI within 30 days, or by February 5, 1996.**

Please be advised that "no person shall close an underground tank system unless that person . . . demonstrates to the appropriate agency . . . that the site has been investigated to determine if there are any present, or were past releases, and if so, that appropriate corrective or remedial actions have been taken," as per Section 25298 (c) (4) of the California Health & Safety Code, (CH&SC) Division 20, Chapter 6.7. Further, "any owner of an underground tank system shall be liable for a civil penalty of not less than five hundred dollars ($500) or more than five thousand dollars ($5,000) for each underground storage tank for each day of violation for. . .failure to properly close an underground tank system," as per Section 25299(b)(3) and (b)(6) of CH&SC, Division 20, Chapter 6.7. This office considers that you are presently in violation of HSC Chapter 6.7, Section 25298(c)(4). Compliance will be achieved once the SWI workplan is submitted, approved, and implemented.

I suggest you start getting bids from competent and qualified environmental consultants, and contact the State Water Resources Control Board (SWRCB) at 916-227-4430 to determine your eligibility to access state UST Cleanup Fund monies to assist you in completion of the project. You may contact me directly at 510-567-6761 if you have further questions.

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: Darin Reinholdt, PO Box 271943, Concord CA 94527
Gil Jensen, Alameda County District Attorney, Office of Consumer and Environmental Protection
Acting Chief/file

je.3920-A

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

RAFAT A. SHAHID, DIRECTOR
DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

July 26, 1995
STID 3920

Bette Jean Cereske
Cereske Electric Cable Co., Inc
1688-24th St.
Oakland CA 94607

Dear Ms. Cereske,

On 7/12/95, one 2,000-gallon and one 500-gallon gasoline Underground Storage Tanks (USTs) were removed from this site. I was present onsite to witness the tank removal activities. Strong petroleum hydrocarbon odors and stained soils were witnessed during the tank excavation. Laboratory results were received in this office on 7/25/95, and indicated that subsurface soils in the tank excavation were contaminated with concentrations as high as 630 parts per million (ppm) Total Petroleum Hydrocarbons as gasoline (TPH-g), and up to 3.0 ppm benzene. The soils removed prior to removal of the USTs (aka stockpiled soils) were backfilled into the excavation to ensure site safety. This was done with the understanding (between the contractor and myself), that if the soils sampled from the pit were contaminated, the stockpiled soils would be removed.

You are therefore requested to remove contaminated soils from the excavation, and to collect verification samples from the excavation, within 30 days, or by August 26, 1995. If groundwater is present in the excavation during overexcavation activities, then soil samples will be collected from the sidewalls at a rate of one per 20 linear feet, or otherwise as specified by the County inspector. A sample of the groundwater will also be collected. All samples will be analyzed for TPHg and Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX).

There are state funds available for remediation of UST sites. These funds reimburse responsible parties, such as yourselves, for the costs associated with remediation. I have enclosed a brochure outlining this program. Included are phone numbers for people to help you with this process. Please note that the UST CleanUp Fund specifies bidding requirements and deductibles. **Please direct questions re the Fund to Christopher Stevens (916-227-4519) or Jim Munch (916-227-4430) of the State Water Resources Control Board, UST CleanUp Fund.**

Please note that a refund of $630 (from the original $894) will be returned to your contractor, Darin Reinholdt, because the tank removal project is complete in terms of our "deposit/refund" program. The "deposit/refund" method of charging for our services is for site remediation work that is not eligible for inclusion in the Local Oversight Program (LOP). The LOP is a federal and state petroleum underground storage tank cleanup program for sites with known contamination; the billing is done by the State Water Quality Control Board. Your case has been transferred to LOP as of 7/14/95; a separate Notice is being sent to you.

Please notify me at least 2 business days in advance (by telephone) prior to the start of field work. I must be present onsite during sampling activities. You may contact me directly at 510-567-6761 if you have further questions.

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: Darin Reinholdt, PO Box 271943, Concord CA 94527
Tom Peacock/file

je.3920

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name Cereske Electric Cable Co. Today's Date 7/12/95

Site Address 1688-24th St.

City Oakland Zip 94607 Phone _____

_____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Removal of 2,000-gal + 500 gal gasoline USTs.

Inspection Categories:

_____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
_____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
__✓__ III. Underground Storage Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments: 2:04 arrived onsite. Joan + Sylvia fm OFD onsite. Vapor #'s ok, but Darin needed to remove more soil from around UST. Soil around fill end 2K UST has HC odor + green color. Fill ends of both USTs are nearest to 24th St. Fill end of 2K UST: tar wrap partly dissolved. 2:45 Removal of 2K UST: tar wrap, no obvious holes. 3:00 Removal of 500-gal UST: tar wrap on lower half; tar is absent fm upper half UST; 2K UST: 6' diam, invert at ~9' bgs. 500-gal UST: 4' diam, invert at ~5' bgs. Tanks loaded onto H+H flatbed, + transported (manifest #95208475). 4:15 Began digging for samples. Piping was hauled by H+H. Darin said smaller tank installed in early 70's; larger tank installed in later 70s. So entire tank pit was probably not dug out as a whole; ∴ sand probably NOT laid down below small tank to same depth as large tank. There is native clay surrounding the pit, beyond the contaminated sandy fill material. Gw is seeping in at ~5' bgs. Took 3 tank pit + 1 dispenser sample (beneath orig pump at joint). OK'd backfilling w/stockpile temporarily bec. the pit samples as well as stockpile are likely contaminated. 5:25 Left site.

II, III

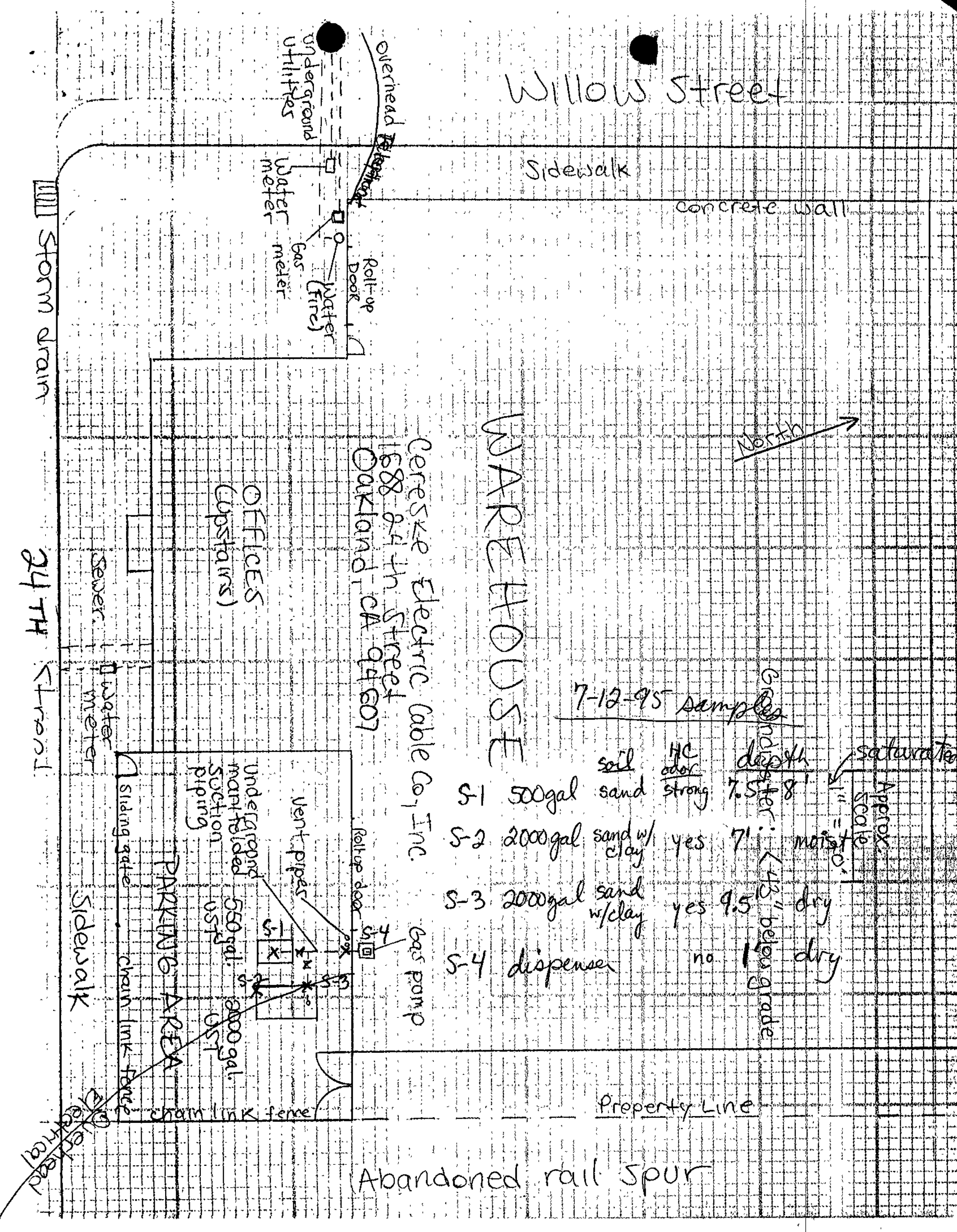
Contact _____

Title _____

Signature Darin Reinhardt

Inspector Jennifer Eberle

Signature Jennifer Eberle


Willow Street
Sidewalk
concrete wall
overhead
underground utilities
Water meter
Gas meter
Water (fire)
Roll-up Door
Storm drain
WAREHOUSE
Cereske Electric Cable Co, Inc.
1688 24th Street
Oakland, CA 94607
OFFICES (upstairs)
North
24TH Street
Sewer
Water meter
Sidewalk
7-12-95 samples
soil
HC odor
depth
saturated
S-1 500gal sand strong 7.5-8'
S-2 2000gal sand w/ clay yes 7' moist
S-3 2000gal sand w/clay yes 9.5' dry
S-4 dispenser no 1' dry
Groundwater < 43" below grade
Approx scale 1" = 20'
Vent pipes
Roll-up door
Gas pump
Underground manifolded suction piping
550 gal UST
2000 gal UST
S-1
S-2
S-3
S-4
PARKING AREA
Sliding gate
chain link fence
Property Line
Abandoned rail spur

ALAMEDA CO[redacted] HEALTH CARE SERVICES AGENCY
DEPARTM[redacted]T OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PARKWAY, RM 250
ALAMEDA, CA 94502-6577
PHONE # 510/567-6700
FAX # 510/337-9335

Project Specialist

Jennifer Eberle

RECEIVED
MAY 26 1995
REINHOLDT & ASSOCIATES

ACCEPTED
Underground Storage Tank Closure Permit Application
Alameda County Division of Hazardous Materials
80 Swan Way, Suite 200,
Oakland, CA 94621
Telephone: (510) 271-4320

3428

Removal of Tank(s) and Piping
Sampling
Final Inspection

Issuance of this permit to operate, if permanent site closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

*FINANCIAL PENALTY FOR NOTIFICATION OF CLOSE INSPECTIONS

RECEIVED
JUN 30 1995
Contact Specialist

7-6-95

UNDERGROUND TANK CLOSURE PLAN
*** * * Complete according to attached instructions * * ***

1. Name of Business Cereske Electric Cable Co., Inc.
   Business Owner or Contact Person **(PRINT)** Buffy Cereske
2. Site Address 1688 - 24th Street
   City Oakland Zip CA Phone 94607
3. Mailing Address ~~Same~~ PO Box 23872, Oak 94623
   City _____ Zip _____ Phone 832-3546 day
   676-6046 eve
4. Property Owner Bette Jean Cereske
   Business Name (if applicable) Same
   Address _____
   City, State _____ Zip _____
5. Generator name under which tank will be manifested
   Cereske Electric Cable Co., Inc.
   EPA ID# under which tank will be manifested C A L 0 0 0 0 0 5 2 7 2

6/30/95
759428
#1189

3920

6. Contractor Reinhold & Associates checked it 7-6-95
Address P.O. Box 271943 current + active, sole ownership exp. 5-31-97
City Concord, CA 94527 Phone 510-229-9120
License Type* General Engineering + Hazmat ID# 671177

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board.

Reinholdt

7. Consultant (if applicable) _____
Address _____
City, State _____ Phone _____

8. Main Contact Person for Investigation (if applicable)
Name Darin Reinholdt Title Contractor
Company Reinholdt & Associates
Phone 510-229-9120

9. Number of underground tanks being closed with this plan 2
Length of piping being removed under this plan 50'
Total number of underground tanks at this facility (**confirmed with owner or operator) 2

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

** Underground storage tanks must be handled as hazardous waste **

a) Product/Residual Sludge/Rinsate Transporter
Name H & H Environmental EPA I.D. No. COD 004 ~~033~~ 771168
Hauler License No. 0334 License Exp. Date 1/31/96
Address 220 China Basin Street
City San Francisco State CA Zip 94107

b) Product/Residual Sludge/Rinsate Disposal Site
Name H & H Environmental EPA ID# _____
Address Same
City _____ State _____ Zip _____

c) Tank and Piping Transporter

Name H & H Environmental EPA I.D. No. _____

Hauler License No. Same License Exp. Date _____

Address _____

City _____ State _____ Zip _____

d) Tank and Piping Disposal Site

Name H & H Environmental EPA I.D. No. _____

Address Same

City _____ State _____ Zip _____

11. Sample Collector

Name Darin Reinholdt

Company Reinholdt & Associates

Address P.O. Box 271943

City Concord State CA Zip 94527 Phone 510-229-9620

12. Laboratory

Name McCampbell Analytical

Address 110 2nd Ave. South, # D7

City Pacheco State CA Zip 94553

State Certification No. 1644

13. Have tanks or pipes leaked in the past? Yes[ ] No[X] Unknown[ ]

If yes, describe. _____

14. Describe methods to be used for rendering tank(s) inert:

Removal of residual fuel and sludge. Triple rinsing and pumping with tap water. Distribute a minimum 30 lbs. dry ice pellets per 1000 gallons.

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be permanently plugged.

The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. **It is the contractor's responsibility to bring a working combustible gas indicator on-site to verify that the tank is inert.**

15. Tank History and Sampling Information ***** (see instructions) *****

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
550 gal. single-wall steel UST UL gas	12/94. Installed early 1970's. Used for lift truck fuel supply.	Soil from excavation: (Each wall) Soil stockpile: Groundwater:	Groundwater interface. Various areas and depths (4 discreet/50 yds^3, lab comp.) 1 per excavation.
2000 gal. single-wall steel UST UL gas	12/94 Installed late 1970's. Used for lift truck fuel supply.	Same as above Soil from pipe trench:	same as above 1/20 lineal ft. (preferrably at joints). Or any discolored area.

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

18. Submit Worker's Compensation Certificate copy

Name of Insurer N/A (Prime contractor is a sole proprietor). Subcontractor (H&H Environmental) policy can be provided on request.

19. Submit Plot Plan ***(See Instructions)***

20. Enclose Deposit (See Instructions)

21. **Report any leaks or contamination to this office within 5 days of discovery.**
The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.

22. **Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.**

23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner)

I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business Reinholdt & Associates.

Name of Individual Darin Reinholdt

Signature Darin Reinholdt Date 6/23/95

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business CELESKE ELECTRIC CABLE INC.

Name of Individual PAM CAMPBELL - business mgr

Signature Pam Campbell Date 6-30-95

day 832-3546
eve 676-5046

ENVIRONMENTAL
GEOLOGY
SERVICES
CONSULTING and PROJECT MANAGEMENT
1695 Willowside Road, Santa Rosa, CA 95401

SITE HEALTH AND SAFETY PLAN FOR UNDERGROUND STORAGE TANK REMOVAL AND INITIAL SUBSURFACE INVESTIGATION

GASOLINE UNDERGROUND STORAGE TANK SITE
CERESKE ELECTRIC COMPANY
1688 24TH STREET
OAKLAND, CALIFORNIA

Prepared for:

Reinhold & Associates
Underground Storage Tank and Environmental Services
P.O. Box 271943
Concord, CA 94527

Prepared by:

Environmental Geology Services
1695 Willowside Road
Santa Rosa, CA 95401

Marc W. Seeley, CEG
Principal Geologist

June 23, 1995

ENVIRONMENTAL
GEOLOGY
SERVICES
CONSULTING and PROJECT MANAGEMENT
1695 Willowside Road, Santa Rosa, CA 95401

HEALTH AND SAFETY PLAN
GASOLINE UNDERGROUND STORAGE TANK SITE
CERESKE ELECTRIC COMPANY
1688 24TH STREET
OAKLAND, CALIFORNIA

June 23, 1995

1.0 General Project Information

Site Name: Gasoline underground storage tank site, Cereske Electric Company

Site Locations: 1688 24Th Street
Oakland, California

Project Title: Tank Removal and Initial Soil Sampling

Project Manager: Darin Reinholdt

Health & Safety Officer: Darin Reinholdt

Date of Proposed Work: June 28 - June 30, 1995 (this is an estimate only)

Background: Environmental Geology Services (EGS) has prepared this Health and Safety Plan in response to your request in conjunction with underground storage tank (UST) removal at the site of Cereske Electric, 1688 24th Street, Oakland, California. The request for the Health & Safety Plan was initiated by the Alameda Health Care Services Agency, Department of Environmental Health. The contains two USTs: one 2000 gallon and one 550 gallon, both are gasoline tanks.

Contractor(s): Reinhold & Associates, Underground Storage Tank and Environmental Services. Subcontractors (if any) are responsible for having their own H&S plans, and enforcing their plans. Reinhold & Associates will share information regarding the H&S aspects of the site but assumes no responsibility of the accuracy or use of such information by subcontractor(s).

Objectives: To remove two gasoline underground storage tanks (UST) and collect initial soil samples for evaluating potential contamination.

2.0 Emergency Contacts

Ambulance	911
Hospital	911
Poison Control	911
Police	911
Fire	911

Project Manager: Darin Reinholdt, 510-229-9120
H&S Officer: Darin Reinholdt, 510-229-9120
Client: Cereske Electric, 510-832-3546
Other:

Route to Nearest Emergency Service: Peralta Medical Center or Kaiser Hospital on Broadway. Take Willow Street south to West Grand Avenue, left on West Grand to Broadway, go left on Broadway. Follow Broadway north to Peralta Medical Center (on left) or continue one block to MacArthur Avenue and Turn right to Kaiser Hospital. Follow signs to emergency room entrance. See attached map with route marked.

3.0 Hazard Assessment

Apparent Hazard	Type of Facility	Status of Facility
Serious:	Impoundment:	Active: x
Moderate:	Dump:	Inactive:
Low: X	Landfill:	Unknown:
None:	Open:	Other:
Unknown:	Other: Industrial Warehouse	

Waste Type	Waste Character	Route of Exposure
Gas: Gasoline Vapor	Toxic: x	Inhalation: x
Liquid: Gasoline, dilute	Corrosive:	Skin: x
Sludge:	Ignitable: x	Ingestion: x
Solid:	Volatile: x	Eye Contact: x
Unknown:	Radioactive:	Other:
Reactive:	Unknown:	

4.0 Personal Protective Equipment Required

The following checked-off equipment is required:

__X__	hard hat	_____	tyvek suit
__x__	safety goggles	_____	neoprene boots
__X__	outer gloves	_____	face shield
_____	inner gloves	__X__	respirator*

__X__ other - monitoring equipment

* Required only if volatile vapors detected by monitoring.

4.1 First Aid And Safety Equipment

The following checked-off equipment is required:

_____ two-way radios
_____ fire extinguisher
_____ decontamination station
_____ first aid station
___X_ monitoring equipment - explosive gas detector

5.0 Site Information On Chemical Hazard

The warehouse yard has one 2000-gallon and one 550-gallon underground gasoline tank. The tanks were used for gasoline. Upon removal the following soils from beneath the tanks will be sampled per Tri-Regional Water Quality Control Board guidelines. Soils will be analyzed for: TPH as gasoline, Benzene, Toluene, Ethylbenzene, and xylenes (total) (BTEX).

5.1 Relative Toxicity And Potential Health Risks Of Chemicals

Gasoline is a volatile, flammable liquid which has various constituents, such as benzene, naphthenes, paraffins, and ethyl alcohols. Benzene is the high energy component of gasoline and is usually present in concentrations between 0.8 percent to 2 percent. Benzene is a known human carcinogen.

The threshold limit value (TLV) for benzene is 10 ppm. The TLV for gasoline is 300 ppm. Application of the gasoline TLV requires professional judgement in the case of spills because the relative concentrations of the various constituents may change in the environment.

Inhalation of gasoline is known to cause headache, blurred vision, dizziness, and nausea If these symptoms develop, evacuate to a clean area as soon as possible. If symptoms persist longer than one hour, seek medical consultation. Otherwise, return to work when symptoms are gone; and, if monitoring indicates the same vapor levels present when symptoms occurred, upgrade to Level C. Acute inhalation exposure may result in intense burning of the throat and respiratory system. Asphyxiation may occur from oxygen displacement.

Ingestion of small amounts of gasoline causes severe symptoms of poisoning, such as mild excitation, loss of consciousness, congestion, convulsions, cyanosis or death due to pneumonia. If accidental ingestion occurs, call poison control and get victim to a hospital immediately - DO NOT induce vomiting.

Dermal contact may cause drying of the skin, lesions, or allergic reactions. If skin contact occurs, flush with large quantities of clean water and wash with soap. If splashing into the eyes occurs flush with a large quantity of water for at least 15 minutes and get victim to a hospital immediately.

6.0 Site Description (include safety precautions)

The tanks are located in an area of site activity that includes truck and fork lift traffic, as this is an operating warehouse facility. Both tanks are to be removed. The site is accessible from the street. Work space is limited but adequate. Pedestrian and automotive traffic are of concern. Utility lines are likely underground, and need to be avoided during excavating. Excavating should be away from known underground utility lines. Overhead utility lines may exist and will need to be avoided as well.

All known utilities to the site (water, electrical, sewer) are to be marked by Underground Service Alert (USA) and the site owner. Contractor will be responsible for calling USA and owner prior to site operations to request marking of underground utilities. Contractor will provide sufficient advance notice to USA and will mark areas to be excavated in advance of USA's site utility marking. The site is paved with asphalt and concrete with some open landscaped areas.

Work areas will be cordoned off by Contractor to prevent pedestrian and vehicles from entering work area. Upon completion of excavation soil stock piles will be covered to minimize odors and excavations will be surrounded by chain link fence.

Tank removal will be in accordance with standard safety requirements with regard to pumping out residual fuel, rinsing out residues, inerting of tanks to mitigate against explosion hazards.

7.0 General Health And Safety Requirements

The following general safety procedures shall be followed by all persons visiting or working at the work site:

- Prior to the start of work each day there will be an H&S meeting to review site safety issues and the H&S plan. The Site Safety Officer will conduct the meeting, review monitoring, route to hospital, and emergency procedures. At this time the H&S officer will verify that all site workers are current with OSHA approved training and medical surveillance per 29 CFR 1910.120.

- Breathing space air will be monitored on an ongoing basis from the start of site work to the completion of the work day in the field with a LOWER EXPLOSION LIMIT (LEL) by the site H&S officer.

- Effectiveness of tank inerting will be determined by measuring vapors with an LEL meter.

- All field instruments will be calibrated at the start of each day.

- A minimum of ten feet clearance shall kept from overhead utilities by equipment.

- No smoking, eating, drinking or chewing gum on-site. Wash hands and face.

- Avoid touching on-site materials, walking through known or suspected "hot zones" or contaminated puddles, kneeling or sitting on the ground, sitting or leaning against potentially contaminated equipment or machinery.

- No visitors or other contractors are allowed on site without consent and knowledge of the Contractor's H&S officer or the designated contact person.

- All personnel or subcontractors shall contact the H&S officer or project manager if any unsafe condition or practice occurs.

- The excavation will NOT be entered by any personnel, soil samples will be retrieved only with the back hoe or excavator bucket.

- o No confined space (eg. tank or excavation) will be entered by any personnel.
- o No open flames or spark emitting devices are allowed on site or near the work area.
- o Rinsate from the tanks will be properly contained and not discharged to the ground or any drains. Contractor will be equipped for emergency spill control and containment.
- o Any equipment that becomes contaminated due to site operations will be properly decontaminated, and rinsate, rags, towels, used apparel, etc will be properly contained and disposed of.
- o Work areas will be cordoned off by Contractor to prevent pedestrian and vehicles from entering work area.
- o Upon completion of excavation, soil stock piles will be covered to minimize odors and
- o Upon completion of excavation, excavations will be surrounded by chain link fence six feet high properly secured together, to mitigate against accidental or unauthorized entry into the excavation.

8.0 Routes Of Exposure And Methods Of Protection

8.1 Inhalation

Breathing a gas, vapor, mist, fume, or dust is the most common type of accidental exposure. Generally, respirators should be worn when activities that involve the generation of airborne particles or when organic vapors are suspected. It is the responsibility of the site H&S officer to determine where and when respirators will be worn.

8.2 Skin Absorption

Skin absorption is the second most common accidental means of entry of chemicals to the body. Avoid unnecessary contact with contaminated surfaces. All skin areas shall be protected when working with hazardous materials. items to protect the skin may include: disposable tyvek suites, rubber boots, gloves and face shield.

After work is completed all protective equipment must be decontaminated or destroyed.

8.3 Ingestion

Ingestion is a common route of chemical exposure. Thus, the following activities are prohibited on site: eating, drinking, smoking and chewing gum.

8.4 Eye Contact

Most chemicals have the ability to injure the eye to some degree through surface contact or absorption. Appropriate safety goggles shall be worn on the site. Further, contact lenses are not allowed in work areas where hazardous chemicals are encountered. Cal/OSHA regulations do not allow contact lenses to be worn with a respirator.

REVIEWED AND APPROVED BY:

Project Manager _____ Date _____
H&S Officer _____ Date _____

Attachments:
Chemical and Toxicological Properties of Benzene, Toluene and Xylene (BTX) and Leaded Gasoline
Site Location Map
Route to Hospital Map

SITE WORKER ACKNOWLEDGEMENT

The following site workers have read, understand, and agree to comply with he provisions and conditions of this Site Health & Safety Plan and attachments:

Printed Name	Signed Name	Date

Printed Name	Signed Name	Date
Printed Name	Signed Name	Date
Printed Name	Signed Name	Date
Printed Name	Signed Name	Date
Printed Name	Signed Name	Date
Printed Name	Signed Name	Date
Printed Name	Signed Name	Date
Printed Name	Signed Name	Date

(CERESKE.H&S)

CHEMICAL AND TOXICOLOGICAL PROPERTIES OF BENZENE, TOLUENE AND XYLENE (BTX) and LEADED GASOLINE

1. BENZENE

1.1 Chemical Properties

- o Clear, colorless highly flammable liquid.
- o Slightly soluble in water; miscible with oils, chloroform and carbon tetrachloride.

1.2 Toxicological Properties

- o Listed as carcinogen by the EPA.
- o Ingestion or inhalation may cause: irritation of mucous membranes, restlessness, convulsions, excitement and depression. Chronic exposure may result in bone marrow depression and aplasia, and sometimes leukemia.
- o LD_{50} in rats: 3.8 ml/kg.

2. TOLUENE

2.1 Chemical Properties

- o Flammable, refractive liquid with benzene-like odor.
- o Very slightly soluble in water, mixable with alcohol, chloroform, and ether.
- o Used as solvent for paints, lacquers, gums and resins; used as gasoline additive.

2.2 Toxicological Properties

- o Less toxic than benzene.

- o May cause mild macrocytic anemia, narcotic reaction of exposed to high concentrations.

3. XYLENE

3.1 Chemical Properties

- o Mobile, flammable liquid, colorless.
- o Insoluble in water, miscible in alcohol and ether.
- o Used as solvent, manufacturing dyes and as gasoline additive.

3.2 Toxicological Properties

- o Less toxic than benzene; chronic toxicity not well defined.
- o May be narcotic in high concentrations.

1. LEADED GASOLINE

1.1 Chemical Properties

- o Mixture of C_4 to C_{12} short chain and cyclic hydrocarbons.
- o Flammable, mobile, evaporates quickly on exposure to air; has characteristic odor. Insoluble in water, but soluble in ether, chloroform and benzene.
- o This mixture of volatile and flammable aliphatic and aromatic organic compounds is difficult to contain in soils if not intercepted soon after leakage. Because gasoline movement is impeded, but not stopped, by clay soils and is impeded very little by sandy soils, gasoline will migrate vertically and down-gradient until it contacts groundwater where it will float or it may migrate downward only as long as there is sufficient pressure (head) to move it. However, because most gasoline floats on water, local, shallow groundwater, which usually responds quickly to rainfall or local irrigation practices, may accelerate movement laterally along sandy or gravel "stringers" in clay soils. Also, in fractured rock areas found in foothills the gasoline may move in an unpredictable direction. These conditions will impeded cleanup until the product can be sufficiently contained. Some components of gasoline such as

benzene, toluene, and xylene (BTX) are soluble in water and must be dealt with separately.

o Contains: Purgeable Aromatics

Benzene	1,2 - Dichlorobenzene
Ethyl benzene	1,3 - Dichlorobenzene
Toluene	Tert-butylmethyl ether
Xylene	Lead
Chlorobenzene	1,2 - Dichloroethane
Ethylene Dibromide	

o Although the above constituents occur in only minor amounts, they are recognized as being potentially the most hazardous. BTX and ethylbenzene can be detected using EPA Method 602.

o Small amounts of tert-butylmethylether, ethylene dibromide and lead are added to gasoline for "anti-knock" purposes. Tert-butylmethylether has been added only for the last few years and therefore may indicate a fairly recent release of gasoline.

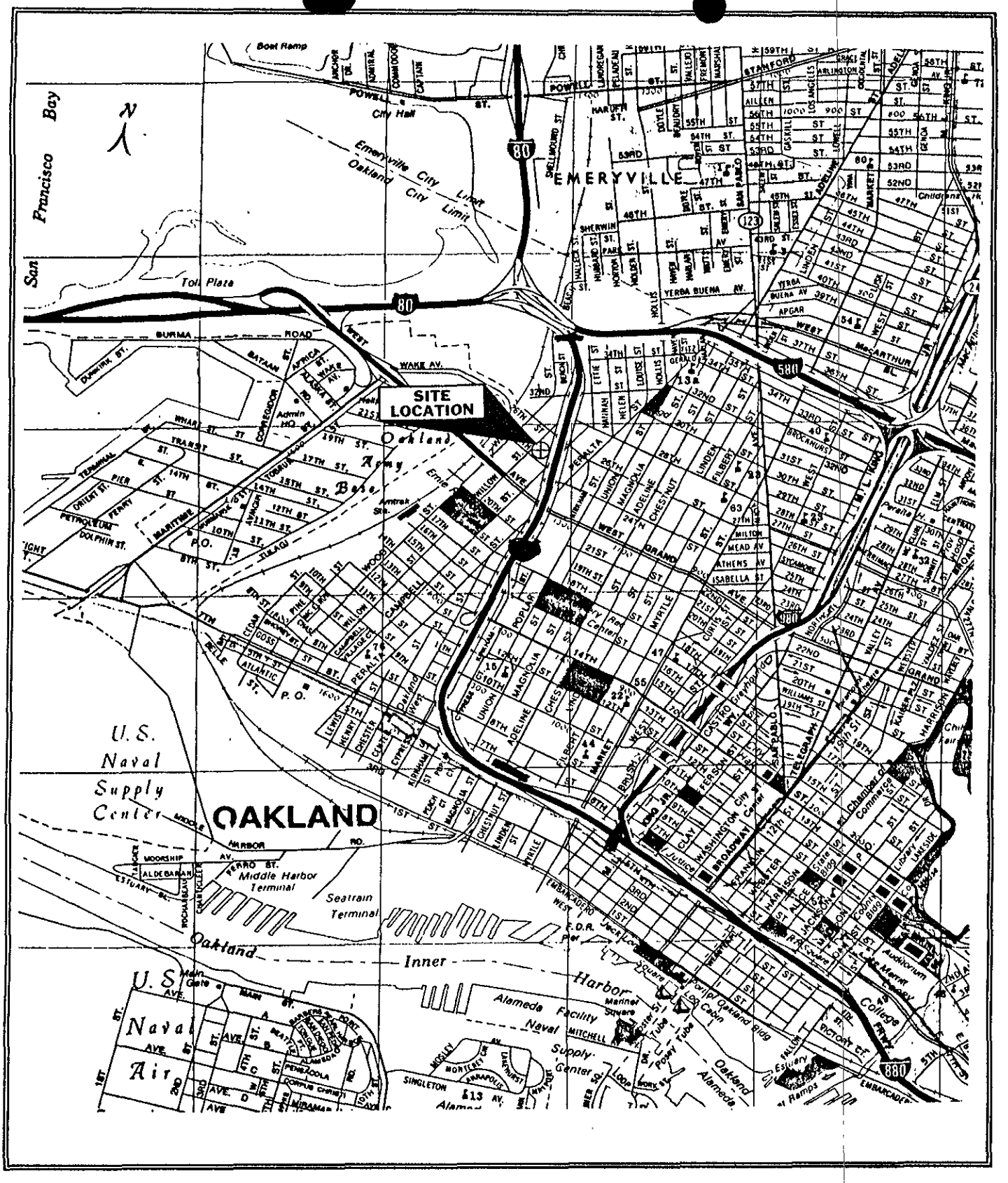
1.2 Toxicological Characteristics and Properties

o Organic lead compounds in concentrations greater than 13 mg/kg pose a safety hazard to workers and are classified as "hazardous" by DOHS above 13 mg/kg. Further, other volatile compounds such as EDB can also pose hazards to workers.

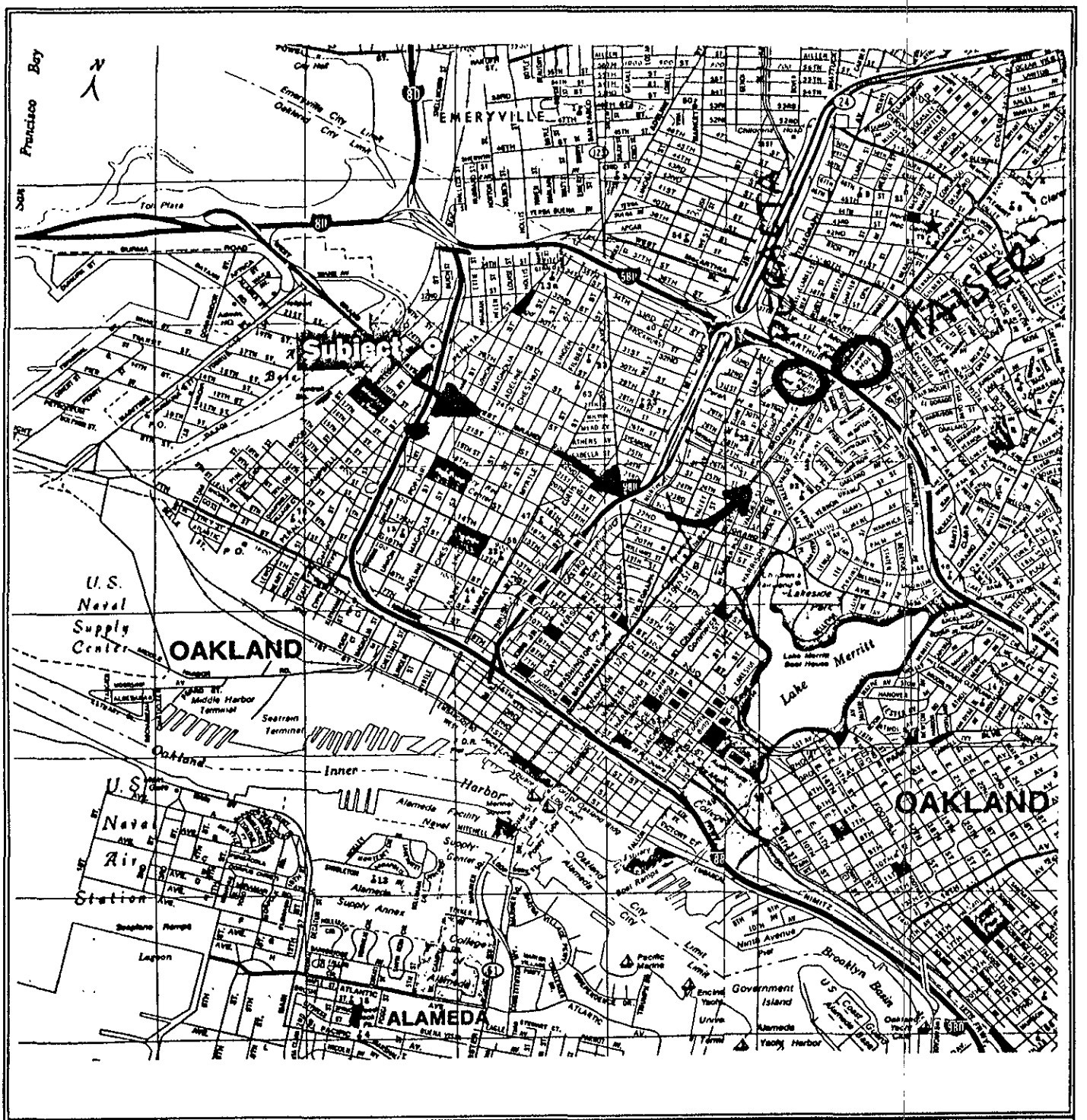
o Class I disposal required if organic lead exceeds 13 mg/kg; Class II or Class I disposal, aeration or land farming if below 13 mg/kg.

o Ingestion of gasoline causes inebriation, vomiting, vertigo, fever, drowsiness, confusion, cyanosis. Aspiration causes bronchitis or pneumonia. Inhalation causes bronchitis or pneumonia. Inhalation causes intense burning in the throat and lungs.

o The gasoline threshold odor concentration (TOC) is about 1 mg/l (ppm) in water but as low as 0.1 ppm for diesel or refined products. As petroleum products "age" underground they tend to take on a musty odor probably as a result of bacteriological degradation.



Environmental Geology Services	CERESKE ELECTRIC HEALTH & SAFETY PLAN SITE LOCATION MAP	PLATE 1



Environmental Geology Services	CERESKE ELECTRIC HEALTH & SAFETY PLAN ROUTE HOSPITAL MAP	PLATE 2