



CITY OF OAKLAND



00 AUG 28 PM 4: 44

DALZIEL BUILDING • 250 FRANK H. OGAWA PLAZA, SUITE 5301 • OAKLAND, CALIFORNIA 94612-2034

Public Works Agency
Environmental Services

FAX (510) 238-7286
TDD (510) 238-7644

August 22, 2000

*- All Risers will need to be pressure tested
or removed*
- Ask John for historic use across street ✓

Ms. Eva Chu
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Subject: Request for Documents; Extraction Trench Engineering As-Built Drawings, 670 98th Avenue, Oakland, California

Dear Ms. Chu:

Enclosed please find the subject documents for your use. The documents are submitted in response to a report by Mr. Kevin O'Dea of Baseline Environmental Consulting that your file records for the subject site did not include as-built drawings, and that you requested a copy. I also understand that closure approval may be delayed due to lack of such documents. I hope this submittal will help to avoid any delays in closure approval.

Thank you for your attention to this matter. If you have any questions or require additional information, please call me at (510) 238-7695.

John B. Adams
Environmental Program Specialist

cc: Andrew Clark-Clough



CITY OF OAKLAND



DALZIEL BUILDING • 250 FRANK H. OGAWA PLAZA, SUITE 5301 • OAKLAND, CALIFORNIA 94612

Public Works Agency
Environmental Services

(510) 238-6688
FAX (510) 238-7286
TDD (510) 238-7644

July 30, 1999

Ms. eva chu
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502

Dear Ms. chu:

Subject: MTBE Data Supplement to Report on Soil Gas Sampling and Human Health Risk Assessment - 670 98th Avenue, Oakland, California

Enclosed please find revised laboratory reports from the September 1997 sampling of the monitoring wells at the subject site. The laboratory reports were revised after review of the chromatograms indicated that MTBE was not detected in groundwater samples from any of the wells. We trust that this information fills the data gap for the site and that in conjunction with the analysis presented in the *Soil Gas Sampling and Human Health Risk Assessment* report dated June 1999, your office will be able to issue a case closure notification for the site.

Please call me at 238-7695, or Andrew Clark-Clough at 238-6361, if you have any questions or require additional information.

Yours very truly,

Mark B. Hersh
Environmental Program Specialist

cc: Andrew Clark-Clough
Kevin O'Dea, Baseline Environmental

99 AUG -3 PM 3:27
ENVIRONMENTAL
PROTECTION

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES

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

StID 3686

October 21, 1998

Mr. Mark Hersh
City of Oakland-Public Works
250 Frank H. Ogawa Plaza, Suite 5301
Oakland, CA 94612

RE: Work Plan Approval for 670 98th Ave, Oakland, CA

Dear Mr. Hersh:

I have completed review of Baseline's September 1998 "Work Plan for Soil Vapor Sampling and RBCA Tier II Health Risk Evaluation" proposal for the above referenced site. The proposal to collect soil vapor samples from a total of four boreholes and use the results in a RBCA evaluation is acceptable. However, the soil sample to be collected to define various soil parameters should be from a "clean" borehole. One soil sample would be adequate if subsurface lithology on both sides of 98th Avenue is similar.

Please notify this Agency at least 72 hours prior to the start of field work. If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ARNOLD PERKINS, DIRECTOR
RAFAT A. SHAHID, DEPUTY DIRECTOR

DEPARTMENT OF PUBLIC HEALTH
499 Fifth Street
Oakland, California 94607
(510)

StID 3686

December 18, 1995

Mr. Andrew Clark-Clough
City of Oakland, OPW
1333 Broadway, Suite 1001
Oakland, CA 94612

RE: GWI at 670 98th Ave, Oakland

Dear Mr. Clark-Clough:

I have completed review of Baseline's July 1995 Report on Ground Water Monitoring for the above referenced site. Groundwater was sampled from wells MW-1, MW-2, MW-3, and Well 18. Wells MW-4 and MW-5 could not be located. Elevated levels of petroleum hydrocarbons are still detected in wells MW-1 and Well 18.

Baseline recommended, and this office concurs with, the following:

1. Replace locking well caps with watertight caps and new locks;
2. Locate or replace wells MW-4, and MW-5, if they have not been decommissioned;
3. Further research location of former USTs at 692 98th Ave; and,
4. Characterize/delineate plume using temporary wells points. Storm drain and other utility trenches which may act as preferential pathways for the migration of contaminants will be investigated.

Please submit a workplan for the above investigation within 45 days of the date of this letter, or by **February 2, 1996**.

If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

cc: Okey Ozoh, City of Oakland, 7101 Edgewater Dr, Oakland
94621
files (670-98.5)



DEPARTMENT OF ENVIRONMENTAL HEALTH
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6777

StID 3686

December 1, 1995

Mr. Andrew Clark-Clough
City of Oakland, OPW
1333 Broadway, Suite 1001
Oakland, CA 94612

RE: Groundwater Investigation at 670 98th Ave, Oakland

Dear Mr. Clark-Clough:

On November 29, 1994 this office again requested a workplan for additional subsurface investigations at the above referenced site. In response, the City of Oakland proposed to resume quarterly monitoring in January 1995. Also, a draft workplan was to be submitted at that time. To date, we are not in receipt of any quarterly monitoring reports, nor a workplan for the delineation of the groundwater contaminant plume at the site.

Be advised, according to Section 25298 of the California Health and Safety Code, underground storage tank closure is incomplete until the responsible party characterizes and remediates the contamination resulting from product discharge. Therefore, the City of Oakland, as the responsible party, is in violation of this section of the Code.

Again, please submit a workplan for the required investigation, and resume groundwater monitoring within 45 days of the date of this letter, or by **January 17, 1996**.

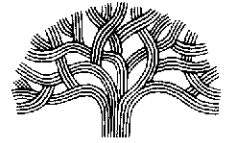
If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

cc: Okey Ozoh, City of Oakland, 7101 Edgewater Dr, Oakland
94621
files

ALUC
HAZMAT

CITY OF OAKLAND



94 DEC 19 PM 12:22

ENVIRONMENTAL AFFAIRS • 1333 BROADWAY, SUITE 330 • OAKLAND, CALIFORNIA 94612

Office of Public Works

(510) 238-6688
FAX (510) 238-7286
TDD (510) 838-7644

December 15, 1994

Ms. Eva Chu
Alameda County Department of Environmental Health
Environmental Protection Division
1131 Harbor Bay Parkway, #250
Alameda, CA 94502-6577

Subject: 670 98th Avenue, Oakland, CA 94603 (94411)

Dear Ms. Chu:

I received your letter dated November 29, 1994 and a copy of your letter to Joseph Cotton dated October 6, 1993. I apologize for the delay on the part of the City in responding to your earlier communication. I propose the following schedule.

Quarterly Monitoring
Resume in January 1995.

Workplan
Draft workplan to be submitted to your office by January 27, 1995.

I look forward to renewing a positive working relationship on this project. If the proposed schedule is unacceptable or if you have any questions please call me at ~~238-6361~~.

Sincerely,

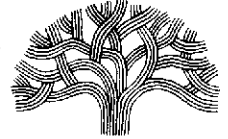
A handwritten signature in black ink, appearing to read "Andrew Clark-Clough".

Andrew Clark-Clough
Environmental Program Supervisor

cc: Harry Schrauth - OPW Support Services
Brooke Levin - OPW Environmental Services



CITY OF OAKLAND



ENVIRONMENTAL AFFAIRS • 1333 BROADWAY, SUITE 330 • OAKLAND, CALIFORNIA 94612

Office of Public Works

December 15, 1994

(510) 238-6688
FAX (510) 238-7286
TDD (510) 838-7644

Ms. Eva Chu
Alameda County Department of Environmental Health
Environmental Protection Division
1131 Harbor Bay Parkway, #250
Alameda, CA 94502-6577

Subject: 670 98th Avenue - St ID 3686 (94411)

Dear Ms. Chu:

As we discussed on the telephone, I would like the recommendations in Baseline's July 1995 report to serve as our work plan for the additional investigation required at the 670 98th Avenue site. We will provide a schedule for completing the tasks outlined in your December 18, 1996 letter following your concurrence.

If you have any questions or require additional information, please call me at 238-6361.

Sincerely,



Andrew Clark-Clough
Environmental Program Supervisor

cc: Wladimir Wlassowsky - OPW
Vivian O'Neal - CAO

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

ALAMEDA COUNTY CC4580
DEPT. OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PKWY., #250
ALAMEDA CA 94502-6577

StID 3686

November 29, 1994

Mr. Andrew Clark-Clough
City of Oakland-OPW
1333 Broadway, Suite 330
Oakland, CA 94612

RE: QMR for 670 98th Ave, Oakland 94603

Dear Mr. Clark-Clough:

On October 6, 1993 this office requested a workplan for the delineation of the groundwater contaminant plume emanating from the above referenced site. Also, interim measures were to have been taken to removed floating product form well MW-1. To date, we are not in receipt of any reports of proposed work or ongoing monitoring at the site.

The required workplan for additional investigations is well past due. Please submit this report within 30 days of the date of this letter, **or by December 30, 1994**. Quarterly monitoring should be reinstated for the site.

If you have any questions, I can be reached at (510) 567-6762.

Sincerely,

eva chu
Hazardous Materials Specialist

enclosure

cc: files

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

StID 3686

October 6, 1993

Mr. Joseph Cotton
City of Oakland-OPW
1333 Broadway, Suite 330
Oakland, CA 94612

Subject: Groundwater Investigation at 670 98th Ave, Oakland

Dear Mr. Cotton:

I have completed review of Applied Geotechnology's August 1993 Limited Phase I Environmental Assessment and Groundwater Monitoring Report for the above referenced site. Groundwater analyses still indicate off-site wells to contain high levels of petroleum contaminants (free product in monitoring well MW-1 and 7,000 ppb TPH-G and 440 ppb benzene in monitoring well 18).

Interim measures should be taken as soon as possible to recover free product and to prevent further plume migration. A workplan for an investigation to delineate the groundwater plume should be submitted to this office **within 45 days of the date of this letter**. The information gathered by this investigation will be used to determine an appropriate course of action to remediate the site.

In a previous meeting with Ms. Julie Carver, the City of Oakland was attempting to name other potential responsible parties for the fuel release at this site. Please keep us informed when additional information is available to name such parties. Also, a quarterly groundwater monitoring/sampling scheduled should be implemented. Technical summary reports are also due quarterly.

If you have any questions, please contact me at (510) 271-4530.

A handwritten signature in cursive script, appearing to read 'eva chu'.

eva chu
Hazardous Materials Specialist

cc: files

CITY OF OAKLAND



✓
lc
3/18/93

CITY HALL • 1333 BROADWAY • OAKLAND, CALIFORNIA 94612

Office of Public Works

(415) 273-3961
FAX: 273-2233
TDD 839-6451

March 15, 1993

Alameda County Health Care Services Agency
Department of Environmental Health
ATTN: Ms. Eva Chu
80 Swan Way, Room 200
Oakland, CA 94621

**Subject: 670 and 692 - 98th Avenue, Oakland, CA 94603
STID 3686**

Dear Ms. Chu:

The intent of this letter is to confirm the results of our March 2, 1993 meeting regarding the properties located at 670 and 692 98th Avenue (subject properties) in Oakland. Represented at this meeting were Ms. Vivian O'Neal from the City Attorney's Office, Mr. Bill Rudolph from Subsurface Consultants, Inc. (SCI), the environmental consulting firm investigating these properties on behalf of the City, and myself. As the Hazardous Materials Specialist responsible for this site, you represented Alameda County Health Care Services Agency (ACHCSA).

During the course of the meeting, Mr. Rudolph described the remedial work performed to date on the subject properties. The City purchased 670 and 692 98th Avenue in the 1980s as part of the 98th Avenue Phase I Street Widening Project (the 98th Avenue Phase I project). The City believes that substantial contamination existed in the subsurface of the subject properties at the time of purchase.

During the installation of a joint utility trench associated with the 98th Avenue Phase I project, workers encountered contaminated soil. In order to allow completion of the utility trench, the City agreed to assume the responsibility for excavation, remediation, and disposal of over twelve hundred cubic yards of contaminated soil at a cost in excess of \$400,000. As part of a plan for future remediation work in the area, a number of ground water monitoring wells and a ground water extraction trench running parallel to 98th Avenue were installed.

In response to the ACHCSA letter of December 7, 1992, a meeting was convened on March 2, 1993 to discuss the City's responsibility for the subject properties, and actions which ACHCSA would require for the sites. As indicated during the meeting, the City never owned or operated underground storage tanks (USTs) pursuant to the Health and Safety Code §25281(h) at either of the subject properties. The City has, however, tentatively identified several potentially responsible parties (PRPs) for the gasoline and solvent contamination found at the subject properties.

Within the next nine months the City will be exploring legal issues of responsibility for the contamination at the subject properties, and will also initiate discussion with the PRPs. During this period of time we will keep ACHCSA advised of the status of our discussions with the PRPs, and may request the help of either ACHCSA or the Alameda County District Attorney's Office in facilitating our discussions with the PRPs.


The following interim actions will be initiated at the subject properties within thirty days of the date of this letter:

- 1) ~~A quarterly ground water monitoring program will be reinstated~~ for the six monitoring wells installed in 1989. Analytical testing for gasoline, diesel and solvents will be performed by a California Department of Toxic Substances Control certified analytical laboratory as follows:
 - a. TVH - sample preparation and analysis using EPA methods 5030 (purge and trap) and 8015 modified, (gas chromatograph coupled to a flame ionization detector);
 - b. TEH - sample preparation and analysis using EPA methods 3550 (sonication) and 8015 modified;
 - c. BTXE - sample preparation and analysis using EPA methods 5030 and 8020 (gas chromatograph coupled to a photoionization detector); and
 - d. Purgeable halocarbons - sample preparation and analysis using EPA methods 5030 and 8010 (gas chromatograph and electrolytic conductivity detector).
- 2) An ~~assessment of free product thickness~~ will be performed if any is encountered in the monitoring wells. A passive recovery system will be implemented if free product is encountered.
- 3) Monthly ground water level measurements will be taken to ~~establish the ground water gradient at~~ the subject properties.

~~A quarterly report~~ documenting the results of these activities will be forwarded to ACHCSA. As the PRP investigation progresses the City will report to ACHCSA on our progress in identifying the parties responsible for the gasoline and solvent contamination at the subject properties.

The City appreciates ACHCSA's recognition that the City has a limited responsibility for the site conditions if it can be proven conclusively that the City never owned or operated USTs at the subject properties. We look forward to working with you and the actual owners and operators of the former USTs at the subject properties to bring these sites to closure.

Should you have any questions regarding the content of this letter, please feel free to contact me at (510) 238-6361.


Julie A. Carver
Environmental Programs Supervisor

cc: Harry Schrauth, OPW Administration
John Soderling, OPW Engineering & Design
Wladimar Wlassowsky, OPW Engineering & Design
Vivian O'Neal, Office of the City Attorney
Rich Hiatt, RWQCB
Bill Rudolph, Subsurface Consultants, Inc.

CITY OF OAKLAND



CITY HALL • 1333 BROADWAY • OAKLAND, CALIFORNIA 94612

Office of Public Works

(510) 238-3961

FAX: (510) 238-2233

TDD (510) 839-6451

February 8, 1993

Alameda County Health Care Services Agency
ATTN: Ms. Eva Chu
Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

SUBJ: 670 98th Avenue, Oakland, CA 94603 (STID 3686)

Dear Ms. Chu:

As discussed during our telephone conversation of February 4, 1993, this letter confirms our meeting of March 2, 1993 at 10:00 a.m. in your office regarding the subject property. As I mentioned to you, since our discussions in December 1992 I have had the opportunity to study the history of this site and am anxious to discuss the City of Oakland's (City's) site characterization plans for the property. It is my intention to have representatives from Subsurface Consultants, Inc., at this meeting, and hopefully one other City employee familiar with this site.

I look forward to meeting with you in March. In the meantime, if you have any questions regarding this site, please feel free to contact me at (510) 238-6361.

Sincerely,

A handwritten signature in cursive script that reads "Julie A. Carver".

JULIE A. CARVER
Environmental Programs
Supervisor

cc: Rich Hiatt, RWQCB
Harry Schrauth, OPW Administration
Vivian O'Neal, Office of the City Attorney
Dan Lau, OPW Construction
Bill Rudolph, Subsurface Consultants, Inc.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY



DAVID J. KEARS, Agency Director
StID 3686

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

December 7, 1992

Julie Carver
City of Oakland
1330 Broadway Suite 1001
Oakland CA 94612

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

Subject: Interim Remediation for 670 98th Ave., Oakland 94603

Dear Ms. Carver:

This office has completed review of the files for the above referenced site. A subsurface investigation of the area began when plans to widen 98th Avenue and to excavate new utility trenches were initiated. This investigation revealed elevated levels of petroleum hydrocarbon contamination due to the unauthorized release from underground storage tanks at 670-692 98th Avenue. Soil borings were advanced and monitoring wells installed to determine the extent and severity of soil and ground water contamination on- and offsite. Twelve hundred cubic yards of contaminated soil was excavated for disposal and remediation.

A draft Remedial Action Plan for Augmented Bioremediation, dated September 7, 1990, was submitted by Cyto Culture Environmental Biotechnology. The proposal included the installation of an extraction trench along the west side of 98th Avenue to recover contaminated water which would be pumped to a bioreactor for treatment.

The last quarterly monitoring report we have on file is dated February 27, 1991, prepared by Subsurface Consultants, Inc. This report indicated free product found in monitoring well MW-1 and high contaminant levels in Well 18. Ms. Cynthia Chapman of this office sent a letter (enclosed), dated March 7, 1991, requesting the City of Oakland to:

1. establish interim measures to prevent plume migration;
2. delineate the extent of both the dissolved and free product contaminant plume; and
3. remediate contaminated groundwater.

To date we are not in receipt of reports documenting that bioremediation of groundwater has begun or that the extent of groundwater contamination has been delineated.

At this time, pursuant to Section 2721 et seq. of Article 11, Title 23, California Code of Regulations, you are hereby requested to develop a Corrective Action Plan (CAP) for further investigation of this site, and to identify and evaluate all feasible alternatives for cleanup of soil and groundwater, both

Julie Carver/City of Oakland
Re: Remediation of 670 98th Ave
December 7, 1992

Page 2

on- and offsite, caused by the unauthorized release of petroleum products.

The reference CAP is due in this office within 45 days of the date of this letter. Include a time schedule for the completion of each aspect of the remediation process, as well as a proposal for the determination of the lateral extent of soil contamination at this site. If the City plans to implement the above referenced bioremediation plan, field work should commence within 45 days of the date of this letter.

In addition, please be advised, pursuant to Section 2655 of Article 5, Title 23 of the California Code of Regulations, the owner or operator shall conduct free product removal in a manner that will minimize the spread of contamination into previously uncontaminated zones. Free product removal reports must be prepared in compliance with said section and be submitted within 45 days upon completion of interim remediation.

At this time, a quarterly schedule of well sampling and monitoring needs to be developed. Technical summary reports documenting each well sampling and monitoring episode are due quarterly. This schedule shall continue until further notice.

Please be advised that this is a formal request for technical reports pursuant to California Water Code Section 13267(b). Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or the RWQCB. Copies of all proposals and reports must also be sent to Mr. Richard Hiatt of the RWQCB.

Should you have any questions about the content of this letter, please contact me at (510) 271-4530.

Sincerely,



Eva Chu
Hazardous Materials Specialist

enclosure

cc: Rich Hiatt, RWQCB
Edgar Howell/files

oak670.98

rename 670-98.1

DATE: 2/24/92
TO : Local Oversight Program
FROM: Juliet Shin
SUBJ: Transfer of Eligible Oversight Case

Site name: City of Oakland
Address: 98th & Edes City Oakland Zip _____
Closure plan attached? For 816 98th Ave & N 9801 San Leandro St DepRef remaining \$ -168.00
277 - 9801 San Leandro
DepRef Project # 816-898-816 98th Ave STID #(if any) 163 (For 816-98th Ave)
Number of Tanks: 5 removed? (From both sites) N Date of removal Sept. 1, 1988
Leak Report filed? N Date of Discovery 2/27/89
Samples received? N Contamination: Soil and G.W.
Petroleum N Types: Avgas Jet leaded unleaded Diesel
oil & grease fuel oil waste oil kerosene solvents
3 on-site & 4 off-site
Monitoring wells on site gas Monitoring schedule? N
LUFT category 1 2 3 * H S C A R W G O
Briefly describe the following:
Preliminary Assessment Soil & G.W investigations (12/10/87); Quarterly G.W. Monitoring (1/20/87)
Remedial Action Removal of extraction system installed
Post Remedial Action Monitoring NA
Enforcement Action NA

Apparently, 98th & Edes file includes 4 parcels: 670 98th Avenue; 692 98th Avenue; 9801 San Leandro; and 816 98th Avenue. 816 98th Avenue contained two underground storage tanks that were already emptied, however, they did contain gasoline in the past. Soil samples collected beneath these tanks identified 354ppm TPH, and samples collected from the walls of the excavation identified up to 720ppm TPH. Soil samples collected from beneath the tanks at the 9801 San Leandro site identified 44ppm TPH, and those collected from the walls of the excavation identified up to 763ppm TPH. One well was installed at the 816 98th St. site and two monitoring wells were installed at the 9801 San Leandro site. Additionally, off-site downgradient wells were installed. Quarterly sampling of these wells began in mid 1990. High concentrations of BTEX (e.g. Benzene at 1,500pph) were detected from MW-1, an on-site well at 9801 San Leandro in October 1990. About 6 cubic ft of product was measured from this well. In April 1989, while the City of Oakland was widening 98th Avenue, workers excavated and encountered contaminated soil at 670 98th Avenue, a former Union Station. According to some of Cynthia's notes, an extraction system has been installed at the site. (In the past, ->

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



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

March 7, 1991

Mr. Dan Lau
City of Oakland
7101 Edgewater Drive
Oakland, CA 94621

RE: 98th and Edes Avenues, Oakland, California

Dear Mr. Lau:

The Alameda County Hazardous Materials Division has reviewed Subsurface Consultants, Inc., quarterly monitoring reports for July and October 1990, and January 1991, for the 98th & Edes Avenue site. The October 31, 1990 report indicates that in October, 6.25 inches of free product were measured in well MW-1. Analyses show that there were 2,900,000 ppb of total volatile hydrocarbons (TVH), 270,000 ppb of total extractable hydrocarbons (TEH), 7,780 ppb benzene, 26,000 ppb toluene, 203,000 ppb xylenes, and 20,000 ppb ethylbenzene. Well 18 also had 4,900 ppb TVH, 5,700 ppb TEH, 82 ppb benzene, 40 ppb toluene, 635 ppb xylene, and 190 ppb ethylbenzene.

The January 1991 quarterly sampling event indicates that there was free product in MW1 and that there are still high contaminant values in MW1 and Well 18.

Based on these reports it appears that the wells do not delineate the extent of contamination plume. The decreasing values may mean natural degradation of the contaminants, or it may also mean that the hydrocarbon plume is moving beyond these monitoring points.

At this point, the City of Oakland is required to: 1) establish interim measures to prevent plume migration; 2) delineate the extent of both the dissolved and free product contaminant plume; and, 3) remediate contaminated groundwater.

To ensure that these actions happen in a timely manner, this office requests a workplan that will address how these items will be implemented by April 8, 1991. A timetable for completion of these items is to be included. Monthly status reports will be required, the first one to be submitted to this office 30 days after the workplan submittal. Any delays in the completion schedule are to be submitted in a timely manner. If our office

Mr. Dan Lau
City of Oakland
March 7, 1991
Page 2

has any further requirements or additions to the workplan, we will be in contact to discuss those items. It should be noted that remediation measures and investigation activities should begin upon submittal of the workplan. We will be in contact with the RWQCB in order to provide you with guidance concerning the RWQCB's investigation requirements. However, please be aware that you are responsible for diligent actions to protect the waters of the State.

I also reviewed the quarterly reports for the Pearmain site and the Thrifty Station site, which are in reasonably close proximity to the 98th & Edes Avenue site. Four quarterly sample analyses have been performed on the wells at both sites.

The analyses for the wells at the Thrifty Station Site are still indicating TVH and BTEX contamination. At this point, I will require quarterly monitoring to continue at this site.

Well sampling analyses for the three wells at the Pearmain site have been consistently non-detect for TVH and TEH. BTEX has not been detected in MW4 and MW6 for the four sampling events, and has not been detected in the last 3 sampling events at MW5. Total Oil & Grease was detected at 1 ppm in the third quarter for all three wells, and at 0.6 ppm in MW4 in the January 1991 sampling. Based on these values, I will recommend closure for the wells at the Pearmain site.

In addition, our records indicate the deposit/refund account for the oversight of this project has fallen into a negative balance amount. To refurbish the account, please submit an additional deposit of \$1,340, payable to Alameda County.

If you have any questions, I can be reached at 415/271-4320.

Sincerely,

Cynthia Chapman

Cynthia Chapman
Hazardous Materials Specialist

c: Lester Feldman, RWQCB
Director, Oakland Public Works
Bill Wikander, Subsurface Consultants, Inc.

CITY OF OAKLAND



CITY HALL • ONE CITY HALL 900 UNZAS PH 94612 AND, CALIFORNIA 94612

Office of Public Works

TDD 839-6451

July 5, 1990

Alameda County Health Care Services
80 Swan Way, Room 200
Oakland, CA 94621

ATTENTION: Mr. Ariu Levi

RE: ~~98TH AVENUE AND EDES AVENUE~~ CONTAMINATION SITE

Dear Mr. Levi:

The City of Oakland is forwarding a copy of the finalized interim work plan for the contaminated soil site at 98th Avenue and Edes Avenue. A site safety plan and the completed underground tank closure/modification plan are also included with the interim work plan.

International Technology Corporation will be the contractor to perform the remediation work. No changes have been made to the previously outlined and discussed interim work plan.

As authorized by you, the City will proceed with the remediation work immediately. Actual excavation work is scheduled to begin on July 9, 1990.

If you have any questions, please call me at 213-3051. 256-3051

Very truly yours,

A handwritten signature in cursive script that reads "Danny Lau".

DANNY LAU
Resident Engineer

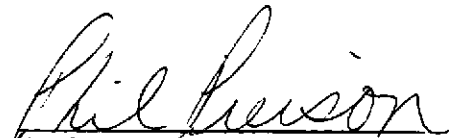
cc: Subsurface Consultants, Inc.
Engineering & Design
D. Lau
M. File
P. File

DL:slt

International Technology Corporation, et al
23456 Hawthorne Blvd., #220
Torrance, CA. 90505

Workers Comp/Employers Liability
Policy #RMWC112-7611
Policy Period: 4/1/90-91

Includes: United States Longshoreman & Harbor Workers, Jones Act, and
Maritime.


Authorized Representative
National Union Fire Ins. Co.

CITY OF OAKLAND



MUNICIPAL SERVICE CENTER • 7101 EDGEWATER DRIVE • OAKLAND, CALIFORNIA 94621

Office of Public Works

April 25, 1990

273-3846

Alameda County Health Care Services
80 Swan Way, Room 200
Oakland, CA 94621

ATTENTION: Mr. Ariu Levi

RE ~~98TH AVENUE AND EDES~~ AVENUE CONTAMINATION SITE

Gentlemen:

The City of Oakland has developed an interim work plan for the contaminated soil site at 98th Avenue and Edes Avenue. On April 19, 1990, the City met with you to provide a copy of this interim work plan to the County and to discuss the requirements necessary for its approval and implementation.

Soil and groundwater samples have indicated an area wide contamination problem. One identified source of contamination is in the backfill soils of the previously removed service station tanks.

The City's interim work plan involves excavating and removing high level contaminated soils in and around the former location of the tanks and in the vicinity of the proposed joint utility trench. Remediation of the soils around the proposed joint utility trench location will expedite critical utility work.

As outlined in the interim work plan, soils will be aerated on site and be disposed of properly. Clean backfill materials will be imported and compacted to fill excavations.

Consistent with discussions with the County, the City has set the level of contaminated soils to be removed at 1,000 parts per million or greater. Soil sample tests at the edge of the excavated trenches will be used to determine if any soils contaminated over 1,000 parts per million extend beyond the original planned work limits. Any soils over 1,000 parts per million contamination will also be excavated. The removal of additional soils contaminated over 1,000 parts per million beyond the limits of the proposed interim work plan applies only to soils over 2 feet above the groundwater level.

Alameda County Health Care Services

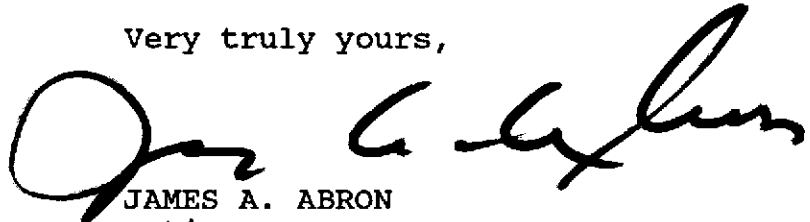
Attn: Ariu Levi

RE: 98TH AVENUE AND EDES AVENUE CONTAMINATION SITE

In addition to completing the interim work plan, the City fully intends to pursue full clean-up of the site as required by the State Water Resources Control Board. Currently, the City's soil consultants are developing comprehensive work plan options to address the entire soil and ground water problem.

The City will notify the County prior to the start of any remediation work and will provide all additional required information.

Very truly yours,

A handwritten signature in black ink, appearing to read "James A. Abron". The signature is fluid and cursive, with a large initial "J" and "A".

JAMES A. ABRON
Acting
Principal Civil Engineer

cc: M. File
P. File
D. Lau

DL:slt



LETTER OF TRANSMITTAL

DATE	3/1/90	JOB NO	620200
ATTENTION	Mr. Ariu Levi		
	98th Ave. & Edes Ave.		
	Contamination Site		

90 FEB 29 PM 3:31

TO Alameda County Health Care Services
 80 Swan Way PM. 200
 Oakland, CA 94621

WE ARE SENDING YOU Attached Under separate cover via _____ the following items:

- Shop drawings
- Prints
- Plans
- Samples
- Specifications
- Copy of letter
- Change order
- Check

COPIES	DATE	NO	DESCRIPTION
	2/23/90		\$900 check for deposit on time incurred by County for acting as lead agency to remediate soil at 98th & Edes. (Check No. 413369)

THESE ARE TRANSMITTED as checked below:

- For approval
- For your use
- As requested
- For review and comment
- FOR BIDS DUE _____ 19_____
- Approved as submitted
- Approved as noted
- Returned for corrections
- Resubmit _____ copies for approval
- Submit _____ copies for distribution
- Return _____ corrected prints
- PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

Project # U565698

Fee Paid \$ 900

Date 3/12/90

COPY TO Kile

SIGNED: D. Jan

430-9251

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Director



P 062 127 735

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Certified Mail #P 062 127 735

Telept

February 27, 1990

City of Oakland Public Works
7101 Edgewater Dr., Building 4
Oakland, CA 94621

Attn: Mr. James Abron

Re: 98th Ave. & Edes Ave. Site Contamination

Dear Mr. Abron:

This letter responds to your request for clarification on the requirements for site assessment and remediation efforts for subsurface soils and ground water impacted by petroleum hydrocarbons. As discussed in my April 18, 1989 letter to Mr. Dan Lau, the above shown site is considered to have experienced an unauthorized release of fuel. As such, the requirements and regulations set forth by the SFRWQCB and the SDHS, as they relate to unauthorized releases, and the subsequent contamination of soils and possible impact to ground water by petroleum hydrocarbons, will be the regulatory parameters in use.

Our office will be the lead agency overseeing both the soil and groundwater remediation of this site. The Regional Water Quality Control Board (RWQCB) is currently unable to oversee the large number of contamination cases within Alameda County and has delegated the handling of this case to our Division. We will be in contact with the RWQCB in order to provide you with guidance concerning the RWQCB's remediation requirements. However, please be aware that you are responsible for diligent actions to protect waters of the State.

To complete contaminant assessment and begin remediation, we require that you submit a work plan which, at a minimum, addresses the items listed below and presents a timetable for their completion. Please evaluate the work submitted by your environmental consultants to determine which workplan requirements must still be addressed.

Sent to <i>City of Oakland</i>	
Street and No.	
P.O. State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt of being to whom, Date and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

PS Form 3800, June 1, 1989

I. Introduction

- A. Statement of scope of work
- B. Site map showing location of existing and past underground storage tanks along 98th Ave.
- C. Site History
 - provide historical site use and ownership information.

II. Site Description

- A. Vicinity description including hydrogeologic setting
- B. Initial soil contamination and excavation results
 - provide sampling procedures used
 - indicate depth to ground water
 - describe soil strata encountered
 - provide soil sampling results, chain of custody forms, identity of sampler
 - describe methods for storing and disposal of all soils

III. Plan for determining extent of soil contamination on site

- A. Describe approach to determine extent of lateral and vertical contamination
 - identify subcontractors, if any
 - identify methods or techniques used for analysis
 - provide sampling map showing all lines of excavation and sampling points
 - if a step out procedure is used, define action level for determination of "clean" isopleth
 - provide chain of custody forms, lab analysis results, all receipts and manifests, & identity of sampler
- B. Describe method and criteria for screening clean versus contaminated soil. If onsite soil aeration/bioremediation is to be utilized, then provide a complete description of method that includes:
 - volume and rate of aeration/turning
 - method of containment and cover
 - wet weather contingency plans
 - permits obtained
- C. Describe security measures

IV. Plan for determining ground water 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". Provide a description of placement and rationale for the location of monitoring wells including a map to scale.
- The placement and number of wells must be able to determine the extent and magnitude of the free product and dissolved product plumes.

A. Drilling method for construction of monitoring wells

- expected depth and diameter of monitoring wells
- date of expected drilling
- casing type, diameter, screen interval, and pack and slot sizing techniques
- depth and type of seal
- development method and criteria for adequacy of development
- plans for cuttings and development water

B. Ground water sampling plan

- method for free product measurement, observation of sheen
- well purging procedures
- sample collection procedures
- chain of custody procedures
- procedures for determining ground water gradient

D. Sampling schedule

- The sampling schedule will be dependent on the degree of contamination encountered.
- measure free product weekly for first month following well installation
 - measure free product and dissolved constituents monthly for first three months.
 - after first three months monitor quarterly.
 - monitoring must occur a minimum of one year.

V. Provide a site safety plan

VI Development of a Remediation Plan.

- A. The remediation plan is to include a time schedule for remediation, and, at minimum, must address the following issues:
- removal of all free product. Manual bailing is not acceptable as a recovery system. Actual amount of free product removed must be monitored and tabulated.
 - remediation of contaminated soils and dissolved constituents must follow RWQCB's resolution No. 68-16.
 - soils containing 1,000+ ppm of hydrocarbons must be remediated. Soils containing between 100 and 1,000 ppm must be remediated unless sufficient evidence is provided which indicates no adverse effects on groundwater will occur. Clean up of soils to 100 ppm is strongly recommended.
 - design of remedial action system should be based on a review of hydrogeologic and water quality data and on an evaluation of mitigation alternatives. The determination of probable capture zone(s) of extraction system(s) should be based on aquifer characteristics as determined by aquifer test data
 - if it appears remediation or removal is impractical, the RWQCB must be approached for a waste discharge requirements (WDR).

VII Reporting

- A. Technical reports should be submitted with a cover letter from the City of Oakland. The letter must be signed by an authorized representative.
- B. Monthly reports must be submitted for the next three months with the first report due 90 days from the above letter date.
- C. Quarterly reports must be submitted with the first report due 90 days after the final monthly report. These reports should describe the status of the investigation and cleanup.

- D. All reports and proposals must be signed by a California-Certified Engineering Geologist, California Registered Geologist or a California-Registered Civil Engineer (see page 2, 2 June 1988 RWQCB document). A statement of qualifications should be included in all reports. Initial tank removal and soil sampling does not require such expertise; however, borehole and monitoring well installation and logging, and impact assessments do require such a professional.

To further elaborate on the use of WDR as an alternative to remediation, it should be understood that this is a viable option only under a narrow set of conditions. Subchapter 15 of Chapter 3 of the 23 CCR allows for leaving contaminated soil in place if a Report of Discharge in Application for a Waste Discharge Requirement (WDR) is submitted and accepted by the SFRWQCB. The WDR must, at a minimum, include the following:

1. Application fee
2. Full description of relevant technical/economic factors that preclude restoring the site to it's former uncontaminated state by treatment or excavation.
3. Results of hydrogeologic assessment that includes the following:
 - depth to ground water, seasonal fluctuations, aquifer thickness, gradient (both rate of movement, and direction), include possible vertical components.
 - geology of site (sand lenses, fractures, etc.) include geologic map and geologic cross sections showing lithology and structural features.
 - what water bodies are hydrologically connected to the underlying ground water, and what are their existing and potential beneficial uses.
 - what are the potential impacts to the beneficial uses of ground and /or surface waters should the contaminants migrate to these waters.
 - other site features such as but not limited to:
 - is the site capped to prevent surface infiltration
 - average annual rain fall
 - is the site in a 25 year flood plain
 - what wells are within a 1/2 mile of the site

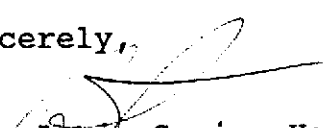
4. the results of a contaminant assessment that includes, but is not limited to the following:
 - evidence of floating product
 - concentration of dissolved constituents in the ground water
 - site maps that show the full extent of the ground water contamination zone. Include a supporting lab data
 - site maps that show the full vertical and horizontal extent of the soil contamination zone(s), the lack of full 3 dimensional description must be justified, include all supporting lab data, boring logs, etc..
5. Describe the actions to be taken to comply with 23CCR, Section 2511 (d).
6. Perform a Risk Assessment that fully evaluates the potential human and environmental health hazards posed by the onsite contamination.
7. Propose a ground water monitoring program that will detect whether and to what extent soil contamination impacts ground water, and whether off site migration of contaminants occurs. Include the following in the proposal:
 - site map showing all wells, define the wells that are down gradient and up gradient from the contaminated zone(s).
 - proposed ground water sampling frequency, analysis methods, detection limits.
8. Include a Plan of Action in the event the contaminant features fail to prevent the off site migration of waste.

All proposals, reports and analytical results pertaining to this investigation and remediation must be sent to our office and RWQCB. You should be aware that this Division is working in conjunction with the RWQCB and that this is a formal request for technical reports pursuant to California Water Code Section 13267 (b). Failure to respond or a late response may result in referral of this case to the RWQCB for enforcement and may subject the City of Oakland to civil liabilities imposed by the RWQCB to a maximum amount of \$1,000 per day. Any extensions of agreed upon time deadlines must be confirmed in writing by either this Division or the RWQCB.

98th & Edes
February 27, 1990
Page 7

Should you have any questions concerning the contents of this letter or the status of this case please feel free to contact me.

Sincerely,



Ariu Levi, Senior Hazardous Materials Specialist
Alameda County Hazardous Materials Program

cc: Gil Jensen, Alameda County District Attorney, Consumer &
Environmental Protection
Rafat Shahid, Assistant Agency Director
Ed Howell, Chief HazMat Unit
Lester Feldman, SFRWQCB
Howard Hatayama, DOHS
Inspector Dawson, OFD
Files 98thedes

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Director



January 30, 1990

Telephone Number: (415)

Office of Public Works
City of Oakland
One City Hall Plaza
Oakland, CA 94612

Attn: Mr. Jim Abron

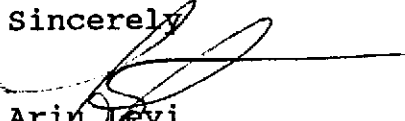
Re: Request for deposit for remediation oversight, 98th Ave. and
Edes, Oakland

Dear Mr. Abron:

As mentioned in an earlier letter to your office, the Alameda County Environmental Health Department, Hazardous Materials Unit will act as the lead agency in reviewing your remediation efforts at the site shown above. To cover costs incurred by the agency for time spent reviewing work plans, quarterly reports, etc., the City of Oakland is requested to submit a deposit of \$900. This deposit will be drawn upon at the rate of \$56/hour for the time spent by the Hazardous Materials Specialist assigned to the project.

Please submit this deposit with a check made out to "Alameda County" as soon as possible. If you have any questions about this request, please feel free to contact me at 271 4320.

Sincerely,


Arin Levi,
Senior Hazardous Materials Specialist

cc: Rafat Shahid; Assistant Agency Director
Ed Howell; Chief of Hazardous Materials Unit
Files

CITY OF OAKLAND



CONSTRUCTION & FIELD SERVICES • 1419 BROADWAY, SUITE 700 • OAKLAND, CALIFORNIA 94612

Office of Public Works

TDD 839-6451

October 4, 1989

Alameda County Health Agency
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, CA 94621

ATTENTION: Mr. Ariu Levi

RE: ~~98th AVENUE & EDES AVENUE~~ AVENUE CONTAMINATION SITE

Gentlemen:

The City of Oakland must proceed with the remediation of the contaminated soils at the northeast corner of 98th Avenue and Edes Avenue as soon as possible to avoid additional delay to street improvement work.

A proposed work plan was submitted by Subsurface Consultants, Inc. to your office in July, 1989. Steps for remediation of the site were outlined in this proposal.

Please contact Mr. Phil Grubstick of the City's Engineering Division at 273-3546 to discuss approval of the work plan so that a definite scope of work may be presented to subcontractors.

Thank you for your cooperation and immediate attention.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Danny Lau".

DANNY LAU
Resident Engineer

cc: Engineering & Design
M. File
P. File
D. Lau

DL:slt

ALAMEDA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



File

April 18, 1989

City of Oakland Public Works
1419 Broadway, Suite 700
Oakland, CA 94612

Attn: Dan Lau

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

Re: Subsurface soil contamination at ~~98th and Edes~~ in Oakland

Dear Mr. Lau:

Thank you for submitting the requested soils analysis results, as conducted by the environmental consulting firm of Brown and Coldwell, for the surface and trench project at 98th and Edes Street in Oakland. Based on the results of this analysis, and the former use of this parcel as a gasoline station, this site is considered to have experienced a confirmed fuel release.

The Alameda County Environmental Health Department, Hazardous Materials Program, has an official agreement with the State Water Resources Control Board to oversee and evaluate investigations and cleanups at leaking underground fuel system sites in the County of Alameda. The above referenced site is considered to have soil and/or ground water contamination that will require investigation and/or clean up.

The proposed investigative work is to be submitted in the form of a workplan. This plan is to include, but is not limited to the following information:

I Introduction:

- A. Statement of scope of work
- B. Site location showing location of past underground tank(s)
- C. Site history
 - describe any previous subsurface work at the site

II Plan for determining ground water 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". Provide a description of placement and rationale for the location of monitoring wells including a map to scale.

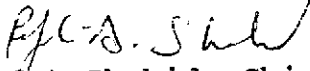
98th and Edes Street
April 18, 1989
Page 2

- A. Drilling method for construction of monitoring wells
- expected depth and diameter of monitoring wells
 - date of expected drilling
 - casing type, diameter, screen interval, and pack and slot sizing techniques
 - depth and type of seal
 - development method and criteria for adequacy of development
 - plans for cuttings and development water
- B. Ground water sampling plan
- method for free product measurement, observation of sheen
 - well purging procedures
 - sample collection procedures
 - chain of custody procedures

Please submit your work plan for this site within twenty five days from the above letter date. Implementation of the remediation plans may begin before acceptance and approval of the work plan. Final approval for site sign off by this office, though, will depend on the adequacy of work done per the above requirements. Final site sign off will remain the responsibility of the RWQCB.

Should you have any questions concerning the contents of this letter or the status of this case, please contact Hazardous Materials Specialist, Ariu Levi. Mr. Levi can be reached at 271-4320.

Sincerely,



Rafat Shahid, Chief
Hazardous Materials Program

cc: Diane Lundquist, RWQCB
Gil Jensen, Alameda County District Attorney, Consumer and
Environmental Protection Agency
Howard Hatayama, DOHS

CITY OF OAKLAND



CITY HALL • ONE CITY HALL PLAZA • OAKLAND, CALIFORNIA 94612

Office of Public Works

TTY 839-6451

April 17, 1989

Alameda County Health Agency
Division of Hazardous Materials
80 Swan Way, Rm 200
Oakland, CA 94621

ATTENTION: Mr. Ariu Levi

RE: ~~98TH AVENUE & EDES AVENUE~~ AVENUE CONTAMINATION SITE

Dear Mr. Levi

As previously discussed with you, the City of Oakland has encountered a contaminated area of soil at the corner of 98th Avenue and Edes Avenue during work on the improvement of 98th Avenue. Records indicate gasoline tanks being removed several years ago without any soils testing.

Two soil samples were taken by "Brown & Caldwell" for the City on February 27, 1989, at the site. Results of the tests were forwarded to your office on March 15, 1989.

As of April 17, 1989, the City has not received any correspondence from your agency concerning this situation. Utility relocation work and street widening operations will be proceeding in this area shortly.

Please contact us immediately at 273-3051 to advise us of your requirements for monitoring and/or remediation.

Thank you for your cooperation.

Very truly yours,


DANNY LAU
Resident Engineer

cc: M. File
P. File
D. Lau

DL:slt

ALAMEDA COUNTY
DEPT. OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS

9/11/81

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25100.7 OF THE HEALTH AND SAFETY CODE	
REPORT DATE M M D D Y Y		CASE #			
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT		PHONE ()	SIGNATURE	
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME City of Oakland		
	ADDRESS One City Hall Plaza STREET CITY STATE ZIP Oakland CA 94612				
RESPONSIBLE PARTY	NAME CITY OF OAKLAND <input checked="" type="checkbox"/> UNKNOWN		CONTACT PERSON James A. Abron		PHONE (415) 273-3051
	ADDRESS 1419 Broadway, Suite 700 STREET CITY STATE ZIP Oakland CA 94612				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) none		OPERATOR ---		PHONE () ---
	ADDRESS 670 98th Avenue STREET CITY COUNTY ZIP Oakland Alameda 94603				
	CROSS STREET Edes Avenue		TYPE OF AREA <input type="checkbox"/> COMMERCIAL <input checked="" type="checkbox"/> INDUSTRIAL <input type="checkbox"/> RURAL <input type="checkbox"/> RESIDENTIAL <input type="checkbox"/> OTHER		TYPE OF BUSINESS <input checked="" type="checkbox"/> RETAIL FUEL STATION <input type="checkbox"/> FARM <input type="checkbox"/> OTHER
IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME Alameda County Health Care Services Agency		CONTACT PERSON Mr. Ariv Levi		PHONE (415) 271-4320
	REGIONAL BOARD San Francisco Bay Regional Water Quality Control District		CONTACT PERSON Ms. Lisa McCann		PHONE (415) 464-1255
SUBSTANCES INVOLVED	(1) NAME Gasoline		QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN		
	(2) NAME Diesel fuel? Oil and Grease?		<input type="checkbox"/> UNKNOWN		
DISCOVERY/ABATEMENT	DATE DISCOVERED 0 M 2 M 2 D 7 D 8 Y 9 Y		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER <u>trenching in area</u>		
	DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input checked="" type="checkbox"/> OTHER <u>removed tank</u>		
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 1 M 1 M 1 D 8 D 8 Y 3 Y				
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN		TANKS ONLY CAPACITY 8,000 GAL. 5,000; 3,000; / AGE ? YRS		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> SPILL <input type="checkbox"/> OTHER
	<input type="checkbox"/> PIPING LEAK		<input type="checkbox"/> UNKNOWN		<input type="checkbox"/> STEEL <input type="checkbox"/> OTHER
CASE TYPE	CHECK ONE ONLY <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
	CURRENT STATUS CHECK ONE ONLY <input type="checkbox"/> SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) <input checked="" type="checkbox"/> CLEANUP IN PROGRESS <input type="checkbox"/> SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> NO FUNDS AVAILABLE TO PROCEED <input type="checkbox"/> EVALUATING CLEANUP ALTERNATIVES				
REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)				
	<input type="checkbox"/> CAP SITE (CD)		<input type="checkbox"/> EXCAVATE & DISPOSE (ED)		<input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT)
<input type="checkbox"/> CONTAINMENT BARRIER (CB)		<input checked="" type="checkbox"/> EXCAVATE & TREAT (ET)		<input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS)	
<input type="checkbox"/> TREATMENT AT HOOKUP (HU)		<input type="checkbox"/> NO ACTION REQUIRED (NA)		<input type="checkbox"/> OTHER (OT)	
COMMENTS					

INSTRUCTIONS

EMERGENCY

Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY

To avoid duplicate notification pursuant to Health and Safety Code Section 25180.7, a designated government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY

Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY

Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION

Enter information regarding the tank facility and surrounding area. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES

Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED

Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT

Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE

Indicate source(s) of leak. Provide details on tank age; capacity and material if known. Check box(es) indicating cause of leak.

CASE TYPE

Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS

Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION

Indicate which actions have been used to cleanup or remediate the leak. Descriptions of options follow:

- Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
- Containment Barrier - install vertical dike to block horizontal movement of contaminant.
- Excavate and Dispose - remove contaminated soil and dispose in approved site.
- Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).
- Remove Free Product - remove floating product from water table.
- Pump and Treat Groundwater - generally employed to remove dissolved contaminants.
- Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.
- Replace Supply - provide alternative water supply to affected parties.
- Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
- No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION

If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies in tact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Water Quality, Underground Tank Program, P. O. Box 100, Sacramento, CA 95801
3. Regional Water Quality Control Board
4. County Board of Supervisors or designee to receive Proposition 65 notifications.
5. Owner/responsible party.