

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RO#709

RAFAT A. SHAHID, Assistant Agency Director

February 5, 1996  
StID # 3803

*Alameda County Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510)567-6700 FAX (510)337-9335 cc:458*

Ms. Gladys H. Cheney c/o  
Mr. Dennis Welch  
Melfort Properties  
30593 Union City Blvd.  
Union City, CA 94587

**Re: Former Chip Steak Company, 958 77th Ave., Oakland CA 94621**

Dear Mr. Welch:

This office and the Regional Water Quality Control Board (RWQCB) have reviewed the case closure summary for the above referenced site and concur that no further action related is required relative to the former 1000 gallon gasoline underground storage tank. Before a Remedial Action Completion Certificate (RACC) can be sent from our office, the three monitoring wells onsite, MW-1 through MW-3, must be properly decommissioned. Please send our office evidence of this so we may issue the completion certificate.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan  
Hazardous Materials Specialist

c: G. Coleman, files

PPF mwde958-77

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R0709

RAFAT A. SHAHID, Director

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

July 25, 1995  
StID # 3803

Melfort Properties  
Mr. Dennis Welch  
30593 Union City Blvd.  
Union City, CA 94587

**Re: Comment on May 30, 1995 Geo Plexus, Inc. Report on 958  
77th Ave., Oakland CA 94621**

Dear Mr. Welch:

Thank you for submitting the above referenced report detailing the recent well monitoring and subsurface activities at the former Chip Steak site. I have completed my review of the report and have discussed its contents with Mr. David Glick of Geo Plexus, Inc. Based on the results of the hydropunch and monitoring groundwater sampling our office cannot at this time recommend site closure. Although there is significant evidence that offsite sources of petroleum and chlorinated hydrocarbon contamination, certain anomalies exist which are not consistent with a sole offsite source of all contamination being detected in MW-3.

The report acknowledges that a source for the chlorobenzene has not been found. Other contradicting items are the difference in contaminant concentrations in MW-3 and HP1. These two sampling points are rather close in proximity but their contaminant levels are not very similar. Secondly, the rise in contaminant concentration in MW-3 is not readily explainable and is a concern due to the change in concentration relative to the past concentration trend.

Based on these observations, our office requests that an additional monitoring event be performed on MW-3. Please analyze for TPHg, BTEX and chlorinated solvents via Method 8010. Based on the results of this monitoring our office will reconsider whether recommendation for site closure is appropriate. A health risk approach should be examined for the contaminant concentrations being found in MW-3.

In addition please provide the following information:

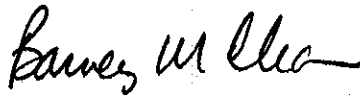
1. Soil disposition documentation for the soil from the initial tank removal and overexcavation activities;

Mr. Dennis Welch  
958 77th Ave.  
StID # 3803  
July 25, 1995  
Page 2.

2. Receipt for the disposal of the 1500 gallons of water removed from MW-3.

I look forward to receiving your next quarterly monitoring report. You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

cc: D. Glick, Geo Plexus, 1900 Wyatt Drive, Suite 1, Santa Clara,  
CA 95054  
T. Becker, Environmental Assessments, 3439 D St., Hayward, CA  
94541  
T. Peacock, files  
addmon958

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0709

RAFAT A. SHAHID, Assistant Agency Director

ALAMEDA COUNTY-ENV. HEALTH DEPT.  
ENVIRONMENTAL PROTECTION DIV.  
1131 HARBOR BAY PKWY., #250  
ALAMEDA CA 94502-6577  
(510)567-6700

April 20, 1995  
StID # 3803

Melfort Properties  
c/o Mr. Dennis Welch  
30593 Union City Boulevard  
Union City, CA 94587

**Re: Comment on April 5, 1995 Work Plan for Ground Water  
Extraction at 958 77th Ave., Oakland CA 94621**

Dear Mr. Welch:

Our office has received and reviewed the above referenced work plan as prepared by your consultant, Geo Plexus. Recall, this work plan outlines those items previously discussed in my August 29, 1994 meeting with Mr. Tim Becker of Environmental Assessments. The work plan calls for the extraction of up to 2000 gallons of water from monitoring well MW-3 and the advancing of five hydropunch borings along the sewer line to determine the extent of the chlorobenzene groundwater plume.

This work plan is acceptable and should be implemented as soon as possible. Please contact me **at least 48 working hours prior to any field work** so I may arrange to be present if possible.

Please be reminded that you should continue to monitor MW-3 for the same analytes previously tested and take groundwater elevation readings from MW-1 and MW-2 to determine groundwater gradient. It appears that our office has not received this information for the first quarter for 1995.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan  
Hazardous Materials Specialist

cc: D. Glick, Geo Plexus Inc., 1900 Wyatt Drive, Suite 1, Santa Clara, CA 95054  
T. Becker, Environmental Assessments, 3439 D. St, Hayward, CA 94541  
Mr. W. Cheney, 3282 Chablis St., Pleasanton, CA 94566  
A. Levi, files  
3-958-77

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R0709

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

September 2, 1994  
StID #3803

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

Melfort Properties  
c/o Mr. Dennis Welch  
Ranch Hand Foods-Cal  
30593 Union City Boulevard  
Union City, CA 94587

**RE: Summary of August 29, 1994 Meeting with Mr. Tim Becker on  
Status of Investigation at 958 77th Ave., Oakland CA 94621  
former Chip Steak Co.**

Dear Mr. Welch:

This letter serves to recount the meeting I had with Mr. Tim Becker of Environmental Assessments on August 29, 1994. We discussed the status of the subsurface investigation at the above referenced site and what steps should be done to bring this site to closure.

Among the items discussed, we concurred that:

1. There should be an attempt to extract groundwater from monitoring well MW-3. Of particular concern is the high levels of chlorobenzene being detected in this well exceeding the state MCL (maximum contaminant level) of 30 parts per billion (ppb).
2. Additional verification groundwater sampling should be performed downgradient of the tank area to determine the lateral extent of the contamination. Several locations were discussed for this sampling.
3. Since there had been little to no contamination found in monitoring wells MW-1 and MW-2, no further chemical analysis would be required for these wells. Only groundwater elevation readings would be taken from these wells in future monitoring events.
4. A work plan for the performance of these items will be submitted to three consultants for bid and then submitted to our office within approximately 2 months.

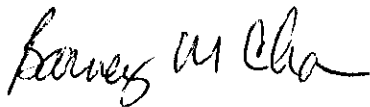
These items would provide our office with enough information to determine if case closure is imminent.

Please be advised of our new address: 1131 Harbor Bay Parkway,  
Room 250, Alameda CA 94502.

Mr. Dennis Welch  
StID # 3803  
958 77th Ave.  
September 2, 1994  
Page 2.

You may contact me at (510) 567-6700 should you have any questions.

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

cc: Mr. T. Becker, Environmental Assessments, 3439 D St., Hayward  
CA 94541  
Mr. W. Cheney, 3282 Chablis St., Pleasanton, CA 94566  
E. Howell, files

2-958-77

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

WAVE, P. 035, Agency Director



R0709

HAFAT 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

June 14, 1993  
StID # 3803

Mr. Dennis Welch  
Melfort Properties  
30593 Union City Blvd.  
Union City, CA 94587

**Re: Sampling Parameters for Quarterly Sampling Events at  
958 77th Ave., Oakland CA 94621**

Dear Mr. Welch:

Upon review of the March 30, 1993 monitoring results for the above site it appears that your consultant failed to report the results for the parameter, chlorobenzene. Recall that since previous monitoring results had detected this compound above its MCL, maximum contaminant level, you were requested to add this analysis to your quarterly reports. Note that the normal analysis for BTEX (benzene, toluene, ethylbenzene and xylenes), Method 602, includes the parameter chlorobenzene therefore an additional analysis is not necessary.

Please include this parameter in all subsequent monitoring events. Your future investigation should include the determination of the extent of the groundwater contamination by proposing additional well(s).

You may contact me at (510) 271-4530 if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Barney M. Chan".

Barney M. Chan  
Hazardous Materials Specialist

cc: R. Hiett, RWQCB  
J. Bowers, Subsurface Consultants, Inc., 171 12th St., Suite  
201, Oakland CA, 94607  
E. Howell, files

2-mon958-77

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R0709

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

April 20, 1993  
StID # 3803

Melfort Properties  
30593 Union City Blvd.  
Union City, CA 94587  
Attn: Mr. Dennis Welch

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

**Re: Comment on Quarterly Groundwater Monitoring Report-  
March 1993 for 958 77th Ave., Oakland CA 94621**

Dear Mr. Welch:

Thank you for the submittal of the groundwater monitoring report for the above referenced site as prepared by Subsurface Consultants, Inc. Our office would like to clarify your options regarding this site. Recall, there was uncertainty as to the extent of the removal of gasoline contaminated soils from the former tank pit. Only one floor sample was taken after the overexcavation and it contained 130 ppm (parts per million) TPHg (total petroleum hydrocarbons as gasoline). This concentration may or may not represent the extent of residual contamination at this site. At this time, you may choose to perform additional subsurface investigation (borings, excavation, etc.) or only continue quarterly monitoring, relying on natural biodegradation.

It appears that monitoring well, MW-3, is in the downgradient direction relative to the former tank. This well, nearly two years after the last April 91 monitoring event, reported 170 ug/l (ppb) TPHg and 28 ppb benzene. You should be aware that you will need to continue to monitor all wells until you obtain four consecutive quarters of non-detectable concentrations of contaminants or until it can be shown that the concentration of petroleum contaminants is not moving offsite and will not have any human health or environmental impacts.

You may contact me at (510) 271-4530 if you have any questions.

Sincerely,

Barney M. Chan  
Hazardous Materials Specialist

cc: R. Hiett, RWQCB  
J. Bowers, SCI, 171 12th Street, Suite 201, Oakland CA 94607  
E. Howell, files  
Qtr-95877th



ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R0709

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

January 26, 1993  
StID # 3803

Melfort Properties  
30593 Union City Blvd.  
Union City CA 94587  
Attn: Mr. Dennis Welch

Re: Resumption of Quarterly Groundwater Sampling at 958 77th  
Ave., Oakland CA 94621

Dear Mr. Welch:

I have read your January 18, 1993 letter giving the status for the above site. It is unfortunate what has occurred but quarterly monitoring must continue due to the following factors:

1. There is uncertainty as to the extent of which soil contamination was removed at the time of the tank removal. The reports indicate as high as 1400 parts per million (ppm) total petroleum hydrocarbons as gasoline (TPHg) was found. Our office has no records whether additional remediation or sampling ever took place by your initial tank removal contractor.
2. It is also unfortunate that the entire work proposed by Clayton Environmental could not be performed. Due to weather conditions, limited overexcavation was done and only one soil sample taken from the base of the pit and analyzed.
3. For the groundwater monitoring which has occurred, both monitoring wells, MW-1 and MW-3, have had benzene concentrations exceeding the MCL (California's Maximum Contamination Limit) and also had at times levels of chlorobenzene and soluble lead above their respective MCLs.

I would like to clarify your monitoring requirements. Quarterly monitoring must continue until non-detectable concentrations are found in all hydrocarbons parameters for four consecutive quarters. At that time your monitoring schedule will be re-evaluated. The length of monitoring cannot be predicted, as this site is depending on natural degradation of contaminants. Our office is willing to accept annual reporting as long as analytical results for TPHg, BTEX, chlorobenzene and soluble lead plus groundwater elevations are provided on a **quarterly** basis. You should contact a reputable consultant to schedule quarterly sampling and annual reporting. Active remediation would likely shorten the length of the monitoring considerably.

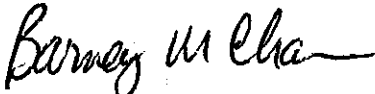
Mr. Dennis Welch  
StID # 3803  
958 77th Ave.  
January 26, 1993  
Page 2.

Please also be advised that Section 2652 11 (d) of Title 23, Division 3, Chapter 16 Underground Tank Regulations, Article 5 states that until the investigation and cleanup is complete, the owner or operator shall submit reports to the local agency every 3 months or at a more frequent interval which includes the results of all investigations and corrective actions. Copies of the analytical results and reports should be sent to our office and to that of the Regional Water Quality Board (RWQCB) to the attention of Mr. Rich Hiett. Their address is 2101 Webster St., Suite 500, Oakland CA 94612.

Please provide results to your quarterly monitoring to this office **within 45 days** of receipt of this letter.

You may contact me at (510) 271-4530 if you have any questions.

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office  
R. Hiett, RWQCB  
E. Howell, files, Chief, Hazardous Materials Division

Mon958-77th

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R0709

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

December 8, 1992  
STID # 3803

Mr. V. L. Cheney  
Melfort Properties, Inc.  
609 Broadmoor Blvd.  
San Leandro CA 94621

Re: **Monitoring Well Sampling at Chip and Steak, 958 77th Ave.  
Oakland, CA 94621**

Dear Mr. Cheney:

Please be advised that the oversight of the remediation of the above site has been transferred to the Local Oversight Program, (LOP), section of the Alameda County Environmental Health, Hazardous Materials Division. You have been made aware of this through the **Notice of Requirement to Reimburse** letter recently sent to you. The new contact person with LOP is the undersigned Hazardous Materials Specialist.

Our office has reviewed the various reports detailing the removal of the 1000 gallon gasoline UST and the installation of three monitoring wells. It has come to our attention that our office has yet to receive the quarterly monitoring reports for sampling events beyond June of 1991. If this has been an oversight in your part, please send copies of all reports since this date. If you have discontinued quarterly monitoring of these wells, please be advised that you must continue monitoring these wells on a quarterly basis. These wells should be analyzed for TPHg, BTEX, chlorobenzene and soluble lead. It was noted that Maximum Contaminant Levels (MCLs) for benzene, chlorobenzene or soluble lead have been exceeded in all wells at one time or another in the past sampling events. In all future monitoring reports, please include the following information:

- \* groundwater gradient maps and groundwater elevation measurements
- \* all previous analytical results
- \* groundwater isoconcentration maps for TPHg and benzene
- \* any additional work proposed for the next quarter beyond sampling.

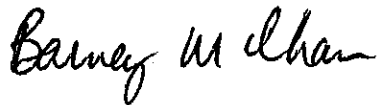
You should consider this a formal request for technical reports pursuant to the California Water Code Section 13267 (b). All work plans, analytical results or reports should be sent to our office and to that of the Regional Water Quality Control Board (RWQCB) to the attention of Mr. Rich Hiatt. Their address is 2101 Webster St., Suite 500, Oakland CA 94612. Failure to submit the requested documents may subject you to civil liabilities.

Mr. V.L. Cheney  
STID # 3803  
958-77th Ave.  
December 8, 1992  
Page 2.

Please provide the requested documents to our office within 30 days of receipt of this letter.

You may contact me at (510) 271-4530 should you have any questions regarding this letter.

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office  
R. Hiett, RWQCB  
R. Silva, Clayton Env. Consultants, 1252 Quarry Lane,  
P.O. Box 9019, Pleasanton CA 94566  
E. Howell, files

Mon-958-77th

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0709

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

November 21, 1990

Mr. V.L. Cheney  
609 Brodmoor Blvd.  
San Leandro, CA 94577

RE: Chip Steak Company, 958 - 77th Ave., Oakland, CA 94621

Dear Mr. Cheney:

As per our meeting and agreement on September 24, 1990, you will begin quarterly monitoring of the three (3) monitoring wells at the above site. This must continue for a minimum of one year. After this period, your monitoring program can be re-evaluated.

If you have any questions, please contact me at 271-4320.

Sincerely,

Larry Seto, Senior,  
Hazardous Materials Specialist

LS:mnc

cc: Gil Jensen, Alameda County District Attorney, Consumer and  
Environmental Protection Agency

RWQCB

Howard Hatayama, DOHS

Rafat A. Shahid, Assistant Agency Director, Environmental Health  
Files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0709

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

August 30, 1989

Mr. V.L. Cheney  
Chip Steak Company  
958 - 77th Ave.  
Oakland, CA 94621

Dear Mr. Cheney:

We have received your revised work plan dated, August 23, 1989, that was prepared by Clayton Environmental Consultants for the above site. It has been accepted.

If you have any questions, please contact Larry Seto, Sr. Hazardous Materials Specialist, at (415) 271-4320.

Sincerely,

A handwritten signature in cursive script that reads "Rafat A. Shahid".

Rafat A. Shahid, Chief,  
Hazardous Materials Program

RAS:LS:mnc

cc: Gil Jensen, Alameda County District Attorney, Consumer and  
Environmental Protection Agency

RWQCB

Howard Hatayama, DOHS

Richard Vorst, Clayton Environmental

Larry Seto, Alameda County Hazardous Materials

Files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R0709

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

June 8, 1989

Mr. V.L. Cheney  
Chip Steak Company  
958 - 77th Ave.  
Oakland, CA 94621

Dear Mr. Cheney:

Your site investigation/remediation plan dated April 27, 1989, that was prepared by Clayton Environmental Consultants, has been reviewed by this office. Three monitoring wells must be installed on-site since the down gradient directions has not been verified. The wells must be installed and constructed in accordance to guidelines of the Regional Water Quality Control Board, San Francisco Bay Region.

The wells must be monitored the first year on a quarterly basis for TPH (gas), total lead and BTX&E. After this period, your monitoring program may be reevaluated.

If you have any questions, please contact Larry Seto, Senior Hazardous Materials Specialist, at 271-4320.

Sincerely,

A handwritten signature in dark ink, appearing to read "Rafat A. Shahid". The signature is fluid and cursive, with a small flourish at the end.

Rafat A. Shahid, Chief,  
Hazardous Materials Program

RAS:LS:mnc

cc: Gil Jensen, Alameda County District Attorney, Consumer and  
Environmental Protection Agency  
Regional Water Quality Control Board  
Howard Hatayama, DOHS  
Clayton Environmental (Cherie D'Andrea)  
Larry Seto, Alameda County Hazardous Materials Program  
Files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0709

March 31, 1989

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

Mr. V.L. Cheney  
Chip Steak Company  
958 - 77th Ave.  
Oakland, CA 94621

Dear Mr. Cheney:

We have received your site investigation plan dated March 13, 1989, that was prepared by Clayton Environmental Consultants. Regional Water Quality Control Board guidelines requires a monitoring well to be installed if soil contamination exceeds 1,000 ppm TPH. This well must be installed within 10 feet of the source of the contamination and in the verified down gradient direction. If the down gradient position cannot be verified, three wells must be installed.

In addition, soil samples must be taken from all four walls and the bottom of the excavation.

Before your plan can be accepted by our office, the above items must be addressed in writing.

If you have any questions, please contact Larry Seto, Senior Hazardous Materials Specialist, at 271-4320.

Sincerely,

*Rafat A. Shahid*

Rafat A. Shahid, Chief,  
Hazardous Materials Program

RAS:LS:mnc

cc: Jack Jones, Paradiso Construction  
Gil Jensen, Alameda County District Attorney, Consumer and  
Environmental Protection Agency

RWQCB

Howard Hatayama, DOHS

Larry Seto, Alameda County Hazardous Materials  
Files



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Director



Department of Environmental Health  
Hazardous Materials Program  
80 Swan Way, Rm. 200  
Oakland, CA 94621

R0709

Telephone Number: (415) 271-4320

February 3, 1989

Chip Steak Co.  
958 77th Avenue  
Oakland, CA 94621  
Attn: V. L. Cheney

SECOND NOTICE OF VIOLATION

RE: Underground tank closure, Chip Steak Co., 958 77th Ave.

Dear Mr. Cheney:

On November 15, 1988, our office sent you a Notice of Violation concerning the underground tank closure that was performed at your facility, Chip Steak Co., on October 5, 1988. As of yet, we have not received the information requested to be submitted by December 15, 1988. Please submit the following information to our office within 15 days, on or before February 20, 1989.

We have received the report of analytical results from the soil sampling that was performed at your facility, Chip Steak Co., 958 77th Ave., Oakland, CA, during the removal of the tank. The samples were analyzed for total petroleum hydrocarbons (TPH), and BTXE, and were found to contain 1,400, 3.1, 59, 150 and 26 parts per million (ppm) respectively. You are required to excavate all soil contaminated above 1000ppm, and dispose of as Hazardous Waste to an approved disposal facility, with manifests retained, and copies sent to our department.

A. You will need to obtain professional services from a reputable engineering/consulting firm.

The responsibility of your consultant will be to establish the extent of contamination and provide professional judgment/recommendations, based on scientific data, of the necessary remedial actions needed. A plan and time schedule for investigation should be submitted to this agency within fifteen (15) days.

The following is a summary of the steps your consultant should take to evaluate the problem.

**Preliminary Assessment**

1. Determination of the extent and magnitude of soil contamination.

- results of initial work done
- proposal for the delineation of the site's contamination
- site history