

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0836

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

November 15, 1993
STID# 4247

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

Ms. Elizabeth H. Altman
Chief Auto Parts, Inc.
15303 Dallas Parkway, Suite 800
Dallas, Texas 75248

**RE: Status of the Soil and Groundwater Investigation /
Remediation at 5714 San Pablo Ave., Oakland, CA 94608**

Dear Ms. Altman:

The Alameda County Department of Environmental Health, Hazardous Materials Division has recently reviewed the Quarterly Status Reports dated June, 1993 and September, 1993 prepared by GHH Engineering, Inc. for the referenced site.

It appears that the polynuclear aromatic compounds (PNAs) found in the soil are not related to the former tanks. Limited overexcavation was performed to remove the PNA contaminated soil and verification sample showed the following levels :
acenaphthylene (non detect), anthracene (0.14 ppm), benzo anthracene (0.79 ppm), fluoranthene (1.1 ppm), benzo pyrene (0.76 ppm), benzoperylene (0.63 ppm), chrysene (0.99 ppm), fluoranthene (1.5 ppm), fluorene (non detect), indeno-pyrene (0.56 ppm), phenanthrene (0.74ppm) and pyrene (1.4 ppm). No further work will be required by this office at this time concerning the PNA's found in the soil at the referenced site.

Quarterly sampling performed in January 8, 1993 showed the following: 65 ppb of TPH as motor oil in MW-3; 160 ppb TPH as motor oil, 0.51 ppb of toluene and 1.0 ppb xylene in MW-4; 0.58 ppb xylene in MW-5. Sampling conducted in May 3, 1993 detected benzene (1.3 ppb), toluene (2.6 ppb), ethyl benzene (0.48 ppb), xylene (2.8 ppb) in MW-2 and benzene (2.7 ppb), toluene (3.9 ppb), ethyl benzene (4.1 ppb) in MW-5. Semi volatile organic priority pollutants were analyzed in MW-2, MW-4 and MW-5 during this sampling event and the results were non detect. Resampling was performed in May 22, 1993 with the following results: MW-2 had 0.67 ppb benzene, 0.39 ppb toluene, 0.71 ppb xylene; MW-3 had 180 ppb TPH motor oil; MW-4 and MW-5 both tested non detect for TPH gasoline, TPH diesel, TPH motor oil and BTEX. The latest sampling event occurred in August 4, 1993 with all the monitoring wells showing non detect for all target compounds except MW-3 with 88 ppb of TPH motor oil.

Ms. Elizabeth Altman
RE: 5714 San Pablo Ave., Oakland, CA 94608
November 15, 1993
Page 2 of 3

Based on this review, request for site closure can not be recommended at this time. Quarterly monitoring must occur until four consecutive quarters of non detect levels had been achieved.

The next quarterly monitoring must be performed this month of November, 1993.

Until cleanup is complete, you will need to submit reports to this office every three months or at a more frequent interval, if specified at any time. In addition, the following items must be incorporated in your future reports or workplans:

- a cover letter from the responsible party or tank owner stating the accuracy of the report and whether he/she concurs with the conclusions and recommendations in the report or workplan
- site map delineating contamination contours for soil and groundwater based on recent data should be included and the status of the investigation and cleanup must be identified
- proposed continuing or next phase of investigation / cleanup activities must be included to inform this department of the responsible party or tank owner's intention
- any changes in the groundwater flow direction and gradient based on the measured data since the last sampling event must be explained
- historical records of groundwater level in each well must be tabulated to indicate the fluctuation in water levels
- tabulate analytical results from all previous sampling events; provide laboratory reports (including quality control/quality assurance) and chain of custody documentation

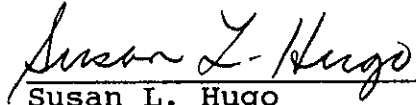
All reports and proposals must be submitted under seal of a California Registered Geologist or Registered Civil Engineer with a statement of qualifications for each lead professionals involved with the project.

Because we are overseeing this site under the designated authority of the Regional Water Quality Control Board, this letter constitutes a formal requests for technical reports pursuant to California Water Code Section 13267 (b). Any extensions of stated deadlines or changes in the workplan must be confirmed in writing and approved by this agency.

Ms. Elizabeth Altman
RE: 5714 San Pablo Ave., Oakland, CA 94608
November 15, 1993
Page 3 of 3

Please contact me at (510) 271-4530 if you have any questions concerning this letter.

Sincerely,



Susan L. Hugo
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Asst. Agency Director, Environmental Health
Rich Hiett, San Francisco Bay RWQCB
Edgar B. Howell, Chief, Hazardous Materials Division - files
John Church, GHH Engineering, Inc.- 8084 Old Auburn Road
Suite E, Citrus Heights, California 95610

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY



DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

R0836

October 23, 1992
STID# 4247

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

Ms. Elizabeth Altman
Chief Auto Parts, Inc.
15303 Dallas Parkway, Suite 800
Dallas, Texas 75248

**RE: Site Investigation and Remediation at Chief Auto Parts
5714 San Pablo Avenue, Oakland, California 94608**

Dear Ms. Altman:

The Alameda County Department of Environmental Health, Hazardous Materials Division has completed review of the "Soil Remediation and Preliminary Investigation and Evaluation Report" (July, 1992) submitted by GHH Engineering, Inc. This report documents work completed by GHH Engineering to date which include the removal of the remaining product piping, excavation of petroleum hydrocarbon contaminated soil (from product piping and former tank areas), disposal of contaminated soil, advancement of three soil borings and installation of four (4) monitoring wells.

The noted report identifies petroleum hydrocarbon contaminated soil (ES12) at concentrations of 73 ppm TPHg, 1400 ppm TPHd, 330 ppm TOG south of the former tanks location. This contamination appears to extend beneath the sidewalk on the north side of 57th Street. Sample (TS7) collected from the north side of the center fuel island exhibited petroleum hydrocarbon contamination as high as 400 ppm TPHg, 140 ppm TPH as motor oil, and 2.6 ppm benzene. Piping trench samples TS4 and TS6 detected 7.5 ppb trichloroethane and 71 ppb acetone, respectively. Groundwater samples collected from MW-3 showed 130 ppb TPH as motor oil. MW-4 detected 120 ppb TPH as motor oil, 0.67 ppb xylenes and 0.84 ppb of toluene.

As a consequence of the aforementioned results of this latest phase of site investigation, the following issues of concern to this department must be addressed:

- * Additional investigative work must be pursued to delineate the lateral extent of soil contamination at the southern portion of the former tanks location. Recommendation by GHH Engineering, Inc. that no further action be taken at the southern portion of the site due to inaccessibility of the diesel and gasoline impacted soil beneath the sidewalk is not acceptable. You are requested to determine the lateral extent of contamination and identify the "zero line" at the leading edge of the plume.

MS. Elizabeth Altman
RE: 5714 San Pablo Ave. Oakland, CA 94608
October 23, 1992
Page 2 of 3

- * The remaining subsurface contamination on the north of the center pump island and in the area of trench sample TS-4 must be addressed. Recommendation by GHH Engineering, Inc. to excavate the remaining contamination is acceptable. Verification samples must be collected and analyzed by a state certified laboratory.
- * One monitoring well must be installed within **ten (10) feet** of the former tank location in the **verified downgradient direction**. From the data collected to date, it appears that MW-4 and MW-3 are cross-gradient from the former tank area.
- * Groundwater elevation readings must be performed at a more frequent intervals (monthly) for the first year to establish a reliable groundwater flow direction and assess any seasonal flow variations. After the first year, groundwater levels are monitored every quarter.
- * Groundwater monitoring wells must be sampled on a quarterly basis and analyzed for target compounds (TPHg, TPHd, TPH motor oil, TOG, benzene, toluene, ethylbenzene, xylene, chlorinated hydrocarbons, lead, nickel, chromium, cadmium, and zinc). After four quarters of non detectable levels have been achieved, the frequency of sampling events will be evaluated and/or a recommendation for signoff/case closure by RWQCB will be determined.
- * Please submit a time schedule for all phases of the investigation and remediation activities and the anticipated time when cleanup will be completed at the site.

A workplan outlining planned activities to meet the issues mentioned above must be submitted to this office **no later than November 30, 1992**. The elements of the workplan must adhere to the basic technical requirements outlined in the **RWQCB Staff Recommendations for the Initial Evaluation and Investigation of Underground Storage Tanks (August 10, 1990)**. Enclosed is a copy of the RWQCB's guidelines for your reference.

Until cleanup is complete, you will need to submit summary reports to this office and to RWQCB every three months (or at a more frequent interval, if specified at any time by either agency). In addition, the following items must be incorporated in your future reports or workplans:

- a cover letter from the responsible party or tank owner stating the accuracy of the report and whether he/she concurs with the conclusions and recommendations in the report or workplan

Ms. Elizabeth Altman
RE: 5714 San Pablo Ave. Oakland, CA 94608
October 23, 1992
Page 3 of 3

- site map delineating contamination contours for soil and groundwater based on recent data should be included and the status of the investigation and cleanup must be identified
- proposed continuing or next phase of investigation / cleanup activities must be included to inform this department or the RWQCB of the responsible party or tank owner's intention
- any changes in the groundwater flow direction and gradient based on the measured data since the last sampling event must be explained
- historical records of groundwater level in each well must be tabulated to indicate the fluctuation in water levels
- tabulate analytical results from all previous sampling events; provide laboratory reports (including quality control/quality assurance) and chain of custody documentation

All reports and proposals must be submitted under seal of a California Registered Geologist or Registered Civil Engineer with a statement of qualifications for each lead professionals involved with the project. Copies of reports must also be submitted to : Rich Hiett

RWQCB, San Francisco Bay Region
2101 Webster Street, Fourth Floor
Oakland, California 94612

Because we are overseeing this site under the designated authority of the Regional Water Quality Control Board, this letter constitutes a formal requests for technical reports pursuant to California Water Code Section 13267 (b). Any extensions of stated deadlines or changes in the workplan must be confirmed in writing and approved by this agency or RWQCB.

Please contact me at (510) 271-4530 if you have any questions concerning this letter.

Sincerely,

Susan L. Hugo

Susan L. Hugo
Senior Hazardous Materials Specialist

Enclosure

cc: Rich Hiett, San Francisco Bay RWQCB
Edgar B. Howell, Chief, Hazardous Materials Division - files
John Church, GHH Engineering, Inc. - 8084 Old Auburn Road
Suite E, Citrus Heights, California 95610

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0836

January 10, 1991

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

Ms. Karen Easton
Chief Auto Parts
16069 Shoemaker Avenue
Cerritos, California 90702 - 6000

**RE: Soil and Groundwater Investigation
5714 San Pablo Avenue , Oakland 94608**

Dear Ms. Easton:

The Alameda County Department of Environmental Health, Hazardous Materials Division, has received the report submitted by Levine-Fricke regarding the unauthorized release from the former underground storage tanks at the above site. Because of the amount of contamination found, the facility is considered to have experienced a confirmed release. Title 23 of the California Code of Regulations requires all such unauthorized releases from underground tanks to be reported. An unauthorized release report must be filed with this office within 5 days of the date of this letter; in addition, you must initiate further investigation and/or cleanup activities at this site.

First, a preliminary assessment should be conducted to determine the extent of soil and groundwater contamination that has resulted from the former leaking tank(s). The information gathered by this investigation will be used to assess the need for additional actions at the site. The preliminary assessment should be designed to provide all of the information in the format shown at the end of this letter. This format is based on the Regional Water Quality Control Board (RWQCB's) guidelines. You should be prepared to install one monitoring well, if you can verify the direction of groundwater flow in the immediate vicinity of the site, and three wells or piezometers, if you cannot.

Until cleanup is complete, you will need to submit reports to this office and to the RWQCB every three months (or at a more frequent interval, if specified at any time by either agency). These reports should include information pertaining to further investigative results; the methods and costs of cleanup actions implemented to date; and the method and location of disposal of any contaminated material.

Ms. Easton

Page 2 of 6

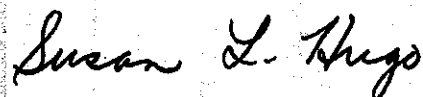
Soils contaminated at hazardous waste concentrations should be transported by a licensed hazardous waste hauler and disposed of or treated at a facility approved by the California Department of Health Services. Soils contaminated below the hazardous threshold may be managed as nonhazardous, but are still subject to the RWQCB's waste discharge requirements.

Your work plan should be submitted to this office within 30 days of the date of this letter. A report describing the results of the preliminary site assessment should be submitted within 60 days of the date of this letter. Copies of the proposal and report should also be sent to the RWQCB (attention: Lester Feldman). You may implement remedial actions before approval of the work plan, but final concurrence by this office will depend on the extent to which the work done meets the requirements described in this letter.

Please submit your work plan along with a \$1,074 fee to cover our costs for overseeing and reviewing reports and proposals.

Should you have any questions about this letter or about remediation requirements established by the RWQCB, please contact the undersigned at (415) 271-4320.

Sincerely,



Susan L. Hugo
Hazardous Materials Specialist

cc:

Rafat Shahid, Assistant Agency Director, Environmental Health
Gil Jensen, District Attorney, Alameda County Consumer and
Environmental Protection Agency
Lester Feldman, San Francisco Bay RWQCB
Howard Hatayama, State Department of Health Services
Ted Splitter, Levine-Fricke
Files

Ms. Easton

Page 3 of 6

WORK PLAN FOR INITIAL SUBSURFACE INVESTIGATION

This outline should be followed by professional engineering or geologic consultants in preparing work plans to be submitted to the RWQCB and local agencies. Work plans should be signed by a California-registered engineer or geologist.

This outline should be referred to in context with the "Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks" (August 10, 1990).

PROPOSAL FORMAT

I. Introduction

A. State the scope of work

B. Provide information on site location, background, and history

1. Describe the type of business and associated activities that take place at the site, including the number and capacity of operating tanks.
2. Describe previous businesses at the site.
3. Provide other tank information:
 - number of underground tanks, their uses, and construction material;
 - filing status and copy of unauthorized release form, if not previously submitted;
 - previous tank testing results and dates, including discussion of inventory reconciliation methods and results for the last three years.
4. Other spill, leak, and accident history at the site, including any previously removed tanks.

II. Site Description

A. Describe the hydrogeologic setting of the site vicinity

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

C. Prepare a site map

Ms. Easton

Page 4 of 6

D. Summarize known soil contamination and results of excavation

1. Provide results in tabular form and indicate location of all soil samples (and water samples, if appropriate). Sample dates, the identity of the sampler, and signed laboratory data sheets need to be included, if not already in possession of the County.
2. Describe any unusual problems encountered.
3. Describe methods for storing and disposing of all contaminated soil.

III. Plan for Determining Extent of Soil Contamination

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

B. Describe sampling methods and procedures to be used

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

- identify number of boreholes, locations, sampling depths, etc.;
- identify subcontractors, if any;
- identify analytical methods;
- provide a quality assurance plan for field testing.

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

- identify number, location (mapped), and depth of the proposed borings;
- describe the soil classification system, soil sampling method, and rationale;
- describe the drilling method for the borings, including decontamination procedures;
- explain how borings will be abandoned.

C. Describe how clean and contaminated soil will be differentiated, and describe how excavated soil will be stored and disposed of. If on-site soil aeration is to be used, then describe:

Ms. Easton

Page 5 of 6

1. The volume and rate of aeration/turning;
2. The method of containment and cover;
3. Wet-weather contingency plans;
4. Results of consultation with the Bay Area Air Quality Management District.

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

- D. Describe security measures planned for the excavated hole and contaminated soil.

IV. Plan for Characterizing Groundwater Contamination

Construction and placement of wells should adhere to the requirements of the "Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks."

- A. Explain the proposed locations of monitoring wells (including construction diagrams), and prepare a map to scale
- B. Describe the method of monitoring well construction and associated decontamination procedures
 1. Expected depth and diameter of monitoring wells.
 2. Date of expected drilling.
 3. Locations of soil borings and sample collection method.
 4. Casing type, diameter, screen interval, and pack and slot sizing technique.
 5. Depth and type of seal.
 6. Development method and criteria for determining adequate development.
 7. Plans for disposal of cuttings and development water.
 8. Surveying plans for wells (requirements include surveying to established benchmark to 0.01 foot).
- C. Groundwater sampling plans
 1. Water level measurement procedure.

Ms. Easton

Page 6 of 6

2. Well purging procedures and disposal protocol.
3. Sample collection and analysis procedures.
4. Quality assurance plan.
5. Chain-of-custody procedures.

V. Prepare a Site Safety Plan