

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R01109

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

March 14, 1995  
StID # 3654

Mr. Terrance Lewis  
State Shingle Co.  
900 37th Ave.  
Oakland CA 94601

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

**Re: Status of Subsurface Investigation at former State Shingle,  
800 Fruitvale Ave., Oakland CA 94601  
880**

Dear Mr. Lewis:

Thank you for the submission of December 17, 1993 and March 8, 1995 reports as prepared by your consultant, Globe Engineers. As stated in my January 25, 1995 letter, you should continue to monitor the existing wells for an additional two quarters, after which, your consultant may make a recommendation for site closure or further investigation.

In regards to my January 25, 1995 letter, be aware there are still items in the letter which need to be addressed. These items are required prior to considering this site for closure, therefore, they should be addressed as soon as possible. Please note these items in need of your attention:

1. Item 2 letters a-d in the January still need response. Recall, these items dealt with water samples 1A-3B and soil samples taken from monitoring wells MW1-3.
2. The format of your quarterly monitoring report still does not include the items previously requested ie a table of all previous and current analytical results and a summary of gradient determined during each monitoring event.

Your attention to these items will facilitate our processing of this site for closure. You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan  
Hazardous Materials Specialist

cc: Mr. Z. Aldine, Globe Soil Engineers, 41 Sutter St., Suite  
1509, San Francisco, CA 94104  
Mr. G. Shephard, SPT Co., SP Bld., One Market Plaza, San  
Francisco, CA 94105  
G. Coleman, files 2stat880

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



Ro# 1109

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH

January 25, 1995  
StID # 3654

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

Mr. Terrance Lewis  
State Shingle Co.  
900 37th Ave.  
Oakland CA 94601

**Re: Status of Subsurface Investigation at former State Shingle  
Co. at ~~800~~<sup>880</sup> Fruitvale Ave., Oakland CA 94601**

Dear Mr. Lewis:

This letter serves to notify you our office's requirements for the above site in order to best help you achieve site closure. As you are aware, I have recently received from you on January 4, 1995, copies of the December 17, 1993 and December 12, 1994 reports as prepared by your consultant, Globe Soil Engineers. Upon review of these documents, I informed you of an error in data reporting in the December 12, 1994 report. I also had a number of additional questions/problems with the report and with the manner in which this site was being handled. You asked me to list my concerns in a form of a letter and if necessary we could meet with you and your consultant to discuss anything which was unclear.

Therefore, the following items/observations should be addressed in the form of a report signed by your consultant:

1. Please submit a copy of the 12/9/91 McLaren Hart monitoring report referenced in both Globe Soil Engineers reports. Apparently, this report was never sent to my attention.
2. In the reports, it was noted that a set of three borings were advanced at the site by Globe.
  - a. Please clarify what the water samples 1A, 1B, 2A, 2B, 3A and 3B represent.
  - b. How were these samples taken? Please identify the depths at which the soil samples from these borings were taken.
  - c. Please provide a copy of the chain of custody document for the soil samples taken on 7/2/93.
  - d. Which samples are those taken from monitoring wells MW1-3? Note that this report states that groundwater samples were taken from the wells in July 1993.
  - e. In Figure 6 of this report, dated 12/17/93, what groundwater elevation levels were used to calculate this gradient? This information should be stated on this map.
  - f. Why was there a 5 month delay from the time the groundwater sampling event to the issuance of this report? You should be aware that Title 23 of the California Code of Regulations,

Mr. Terrance Lewis  
StID # 3654  
State Shingle  
880 Fruitvale Ave.  
January 25, 1995  
Page 2.

Chapter 16, Article 5, Section 2652 (d) requires the submittal of reports every three months or more frequently as specified by the RWQCB or the local agency.

3. In regards to the 12/12/94 Globe report it may have already been pointed out to you that page six gives the groundwater elevation data from July 1993, not that of the November 1994 monitoring event. Please provide the groundwater elevations for the 1994 monitoring event along with an appropriate gradient map.

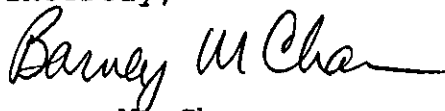
All subsequent monitoring reports should include: a table of all previous and current analytical results and a summary of the gradient determined during each sampling event.

Based on the data available, you will need to continue groundwater monitoring for at least two additional quarters. Therefore, your next monitoring events should occur in February 1995 and May 1995. Your quarterly groundwater monitoring report is due within 45 days of each monitoring event. After submittal of this data, should your consultant agree, site closure should be recommended in a cover letter signed and stamped by your consultant and attached to your monitoring report.

Please respond to the above items in writing **within 30 days or by February 27, 1995**. I hope this has clarified the status of the site and will aid you in gaining site closure.

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

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

cc: Mr. Z. Aldine, Globe Soil Engineers, 41 Sutter St., Suite  
1509, San Francisco, CA 94104

Mr. Greg Shepard, SPT Co., SP Bld, One Market Plaza, San  
Francisco, CA 94105

E. Howell, files  
stat880

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R01109

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

December 22, 1994  
StID # 3654

Mssrs. Donald and Terrance Lewis  
900 37th Ave.  
Oakland CA 94601

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

**NOTICE OF VIOLATION**

**Re: Request for Additional Subsurface Investigation at State  
Shingle, 880 Fruitvale Ave., Oakland CA 94601**

Dear Sirs:

It appears that no further work has occurred at the above site since 1991. We are aware that this site is currently used for storage of materials after the buildings were destroyed in a fire. In order to close your investigation of the underground fuel tank removed in May 1990, you are requested to provide a work plan for further subsurface investigation and reinstate quarterly groundwater monitoring. Recall, our office wrote to last in our March 3, 1992 letter which requested certain technical documents within 30 days. Although we have received documentation for the disposal of soils generated from the tank removal this is all we have received.

Please provide your work plan for additional investigation **within 45 days or by February 6, 1995**. This work plan should provide for the delineation of both soil and groundwater contamination. Soil borings north of the former tank pit can now be obtained since the building no longer exists. Groundwater monitoring of the existing wells must be initiated immediately. A monitoring report should also be provided by February 6, 1995.

You are reminded that this is a formal request for technical reports and failure to provide these reports will cause this site to be referred to either the Regional Water Quality Control Board, (RWQCB) or the County District Attorney Office for enforcement.

Please be aware of our new address: **1131 Harbor Bay Parkway, Room 250, Alameda CA 94502**. You may contact me at (510) 567-6765 if you have any questions.

Barney M. Chan  
Hazardous Materials Specialist

cc: R. and A. Garcia, 1328 Fruitvale Ave., Oakland CA 94601  
E. Howell, files nov880

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



Roll 09

March 3, 1992  
STID# 3654

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

State Shingle Company  
Attn: Messrs. Donald and Terrance Lewis  
880 Fruitvale Ave.  
Oakland, CA 94601

Re: Request for Further Investigation at State Shingle, 880  
Fruitvale Ave., Oakland CA 94601

Dear Messrs. Lewis:

Our division is in receipt of the Site Assessment Report and the June 5, 1991 Groundwater Monitoring Report from your consultants, Tank Protect Engineering and McLaren Hart respectively. The reports detail the work performed at this site after the tank removal performed in May 1990. Overexcavation was done to enlarge the tank pit and confirmatory soil sampling was taken to verify removal of residual contamination. Overexcavation appears to have been done in three directions. Three monitoring wells were then installed in the west, east and south sides of the excavation pit.

Initial groundwater gradient was determined in October 1990 and indicated a northwesterly direction. The next ground water elevation measurement was taken on January 29, 1991. The gradient at this time was northwesterly again. On March 12, 1991 the ground water levels were again measured. This time the gradient was in the westerly direction.

Significant total petroleum hydrocarbons as gasoline (TPHg) and benzene were found in the ground water samples from MW-2 and MW-3 in the initial monitoring well sampling. Levels as high as 14,000 parts per billion (ppb) TPHg and 1600 ppb benzene were found in MW-3 in October 1990. MW-3 is the down gradient well to the west of the former pit location.

It appears, at this time, several items need to be addressed:

1. The recommendations of the Site Assessment performed by Tank Protect Engineering are supported by this office. Additional ground water well(s) and borings must be installed to further define the contaminant plume in the westerly and northerly direction. One or more soil borings should be taken inside the building in this northerly direction. The lateral extent in this direction has yet to be determined. McLaren Hart states that the

Messrs. Terrance and Donald Lewis  
State Shingle, STID # 3654  
March 3, 1992  
Page 2.

ground water gradient has been inconsistent however no information supporting this claim has been provided. Since this is their claim, monthly ground water elevation levels should be taken until the gradient appears consistent. Even though the gradient question exists in McLaren Hart's mind you still need to determine the lateral extent of the dissolved gasoline and benzene plume. It is unclear why one has been finding decreased hydrocarbon levels in MW-3, the downgradient well. One possible explanation is that the dissolved hydrocarbon plume is migrating off your property onto Fruitvale Ave as suggested in both reports previously mentioned.

The motivation for performing borings inside the building is to verify that potential sources of ground water contamination have been identified and remediated in the soil.


2. Another concern is the final disposition of the remediated stockpiled soils. Approximately 570 cubic yards of stockpiled soils were mentioned to have been disposed to the Redwood Sanitary Landfill. Please provide weight tag receipts for this disposal.

3. Please also note that it appears that a monitoring well within 10 feet and down gradient to the excavation pit does not exist as is required by the Tri-Regional Board Guidelines. This is an issue which must eventually be resolved prior to recommendation for final case closure.

Please provide a work plan and receipts for the above mentioned items within thirty (30) of receipt of this letter. This is a formal request for technical reports pursuant to the California Water Code Section 13267 (b). You are also reminded to send copies of all reports, plans, results etc. to the RWQCB (Regional Water Quality Control Board) to the attention of Mr. Eddy So.

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

Sincerely,



Barney M. Chan, Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office  
E. So, RWQCB  
R. and A. Garcia, 1328 Fruitvale, Oakland, CA 94601  
J. Menack and A. Doyle, McLaren Hart, 1135 Atlantic Ave.,  
Alameda, CA 94501 WP-880Fruitvale

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R01109

July 9, 1990

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

Mr. Marc Zomorodi  
Tank Protect Engineering  
2821 Whipple Road,  
Union City, CA 94587

Re: Proposed Remediation Plan at State Shingle, 880 Fruitvale Ave.,  
Oakland 94601

Dear Mr. Zomorodi:

Alameda County Hazardous Materials Division has received your letter describing proposed treatment of spoils from the excavation and over-excavation of the underground tank removed from the above site. We give our approval for the proposed Hydrogen Peroxide treatment. Please be advised, however that if results indicate that hydrocarbon levels exceed 1000 ppm in the spoils, you will be required to get approval from DOHS.

Further, you have our permission to start your preliminary assessment of potential soil and groundwater impact. However, this should not be interpreted as approval of your general plans, as specific requirements, such as number of monitoring wells, will still need our agency's approval and any final work must have addressed all items listed on our request for work plan. This request was sent to Mr. Terrance Lewis of State Shingle on May 31, 1990 and your company was copied through Mr. John Mrakovich.

Please contact Mr. Barney Chan at 271-4320, should you have any questions concerning this letter.

Sincerely,

A handwritten signature in cursive script that reads "Edgar B. Howell III".

Edgar B. Howell III,  
Chief, Hazardous Materials Division

cc: Gil Jensen, Ala. County D.A., Consumer & Env. Protection  
Howard Hatayama, DOHS

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R01109

May 31, 1990

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

Mr. Terrance Lewis  
State Shingle Co.  
880 Fruitvale Ave.  
Oakland, CA 94601

Subject: Unauthorized Release from Removal of an Underground Tank at  
State Shingle Co.  
880 Fruitvale Ave.  
Oakland, CA 94601

Dear Mr. Lewis:

Alameda County Environmental Health, Hazardous Materials Division, has been informed of subsurface soil results in response to an underground tank removal at the above site. These results have been given to our agency by Mr. John Mrakovich of Tank Protect Engineering. Because of the degree of contamination found, this facility is considered to have experienced a confirmed release of petroleum hydrocarbons that has impacted subsurface soil and possibly ground water. The extent of this contamination must be assessed and remediated.

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 any possible 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 submit this workplan within 30 days of the date of this letter.



State Shingle Co.  
May 31, 1990  
Page 2

## I. Introduction

- A. Statement of scope of work
- B. Site map showing location of existing and past underground storage tanks and associated piping
- C. Site History
  - provide historical site use and ownership information. Include a description of types and locations of hazardous materials used on site.

## 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

State Shingle Co.  
May 31, 1990  
Page 3

#### 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

##### C. Sampling schedule

- 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

State Shingle Co.  
May 31, 1990  
Page 4

## 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

## VII Reporting

- A. Technical reports should be submitted with a cover letter from State Shingle Co.. 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


State Shingle Co.  
May 31, 1990  
Page 5

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.

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). Any extensions of agreed upon time deadlines must be confirmed in writing by either this Division of the RWQCB.

Should you have any questions concerning the contents of this letter or the status of this case please contact Barney Chan, Hazardous Materials Specialist at 271-4320.

Sincerely,

  
for Edgar B. Howell III  
Chief, Hazardous Materials Division

cc: Gil Jensen, Alameda County District Attorney, Consumer &  
Environmental Protection  
Rafat Shahid, Assistant Agency Director  
Lester Feldman, SFRWQCB  
Howard Hatayama, DOHS  
Mr. John Mrakovich, Tank Protect Engineering



February 6, 1990

Mr. Terrance Lewis  
State Shingle Co.  
880 Fruitvale Ave.  
Oakland CA 94601

RE: UNDERGROUND TANK CLOSURE/REMOVAL AT STATE SHINGLE CO.

Dear Mr. Lewis:

Enclosed please find a list of consultants who can help you with your underground tank removal. I would like to clarify your option for closure of your underground tank in place. There are an overriding number of reasons why the county encourages removal versus closure in place.

1. Future legislation may disallow closure in place and require removal of "closed" tanks.
2. A "closed" tank must be listed on the property's deed which will likely decrease property value.
3. Closure in place is normally only an option when the building's structural integrity may be jeopardized with the tank removal.
4. Soil sampling and possible water monitoring well installation is more difficult with the underground tank in place.
5. In place closure in the city of Oakland requires the approval of the Oakland Fire Department.

Future liability is greater and the risk is high, therefore the county encourages tank removal. The county will accept your proposal for tank removal within six (6) months provided you return within 30 days:

- a) your application for closure/modification,
- b) submit a check for \$375 made out to Alameda County for our oversight of the removal, and
- c) submit in writing the date by which you have scheduled your underground tank removal according to our agreement.

Please note that Section 25299a of Chapter 6.7 of the Health and Safety Code allows for civil penalties of not less than \$500 or more than \$5000 per day for operating an underground tank without a permit or failing to monitor an underground tank as required by the permit.

State Shingle  
February 6, 1990  
Page 2 of 2

Please contact Barney Chan at 271-4320 should you have any questions.

Sincerely,



Edgar B. Howell III, Acting Chief  
Hazardous Materials Division

BC:mam

Enclosure

cc: Files