

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



Sent 11-30-99  
Including cc's

20971

ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577  
(510) 567-6700  
(510) 337-9432

StID 1398

November 30, 1999

Ms. Carole Schultz  
Kenetech Windpower  
6952 Preston Avenue  
Livermore, CA 94550

**RE: Workplan Approval for 6952 Preston Avenue, Livermore, CA**

Dear Ms. Schultz:

I have completed review of E<sub>2</sub>C, Inc's November 1999 report, *Proposed Workplan for Additional Investigation*, prepared for the above referenced site. The proposal to advance three hydropunch samples points downgradient (northwest) of the former underground storage tank location is acceptable. Soil and grab groundwater samples will be collected from each borehole. All samples will be analyzed for MTBE. In addition, all samples should also be analyzed for TPHg and BTEX.

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

eva chu  
Hazardous Materials Specialist

email: Daniel Hidalgo ([e2cinc@ricochet.net](mailto:e2cinc@ricochet.net))

SENT 10-29-99  
including cc's

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

20771

StID 1398

October 29, 1999

Ms. Carole Schultz  
Kenetech Windpower  
6952 Preston Avenue  
Livermore, CA 94550

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

RE: PSA for 6952 Preston Avenue, Livermore, CA

Dear Ms. Schultz:

I have completed review of Blaine tech Services' September 1999 report entitled *Tank Removal Sampling Report* prepared for the above referenced site. That report documents the activities conducted during the removal of two underground storage tanks (USTs). After the USTs were removed, a total of four soil samples were collected from the excavation at 12 feet to 13.5 feet below ground surface. Groundwater was observed at the bottom of the pit, and a "grab" groundwater sample was also collected.

Soil and groundwater analytical results did not reveal elevated levels of petroleum hydrocarbons with the exception of the "grab" groundwater sample that contained 4,900 parts per billion (ppb) MTBE.

At this time, additional investigations are required to determine the lateral and vertical extent of the contamination due to MTBE in soil and groundwater. Such an investigation should be in the form of a Preliminary Site Assessment (PSA). The information gathered by the PSA will be used to determine an appropriate course of action to remediate the site, if deemed necessary. The PSA must be conducted in accordance with the RWQCB Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks, and Article 11 of Title 23, California Code of Regulations. The major elements of such an investigation are summarized in the attached Appendix A.

The PSA workplan is due within 90 days of the date of this letter, or by **February 1, 2000**. If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

attachment

SENT 11-2-99  
including Co's

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

20791

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

StID 1398

October 29, 1999

Ms. Carole Schultz  
Kenetech Windpower  
6952 Preston Avenue  
Livermore, CA 94550

**SUBJECT: NEW LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS  
FOR 6952 PRESTON AVENUE, LIVERMORE, CA**

This letter is to inform you of new legislative requirements pertaining to cleanup and closure of sites where an unauthorized release of hazardous substance, including petroleum, has occurred from an underground storage tank (UST). Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code requires the primary or active responsible party to notify all current record owners of fee title to the site of: 1) a site cleanup proposal, 2) a site closure proposal, 3) a local agency intention to make a determination that no further action is required, and 4) a local agency intention to issue a closure letter. Section 25297.15(b) requires the local agency to take all reasonable steps to accommodate responsible landowners' participation in the cleanup or site closure process and to consider their input and recommendations.

For purposes of implementing these sections, you have been identified as the primary or active responsible party. Please provide to this agency, within twenty calendar days of receipt of this notice, a complete mailing list of all current record owners of fee title to the site. You may use the enclosed "list of landowners" form (sample letter 2) to comply with this requirement. If the list of current record owners of fee title to the site changes, you must notify the local agency of the change within 20 calendar days from when you are notified of the change.

If you are the sole landowner, please indicate that on the landowner list form. The following notice requirements do not apply to responsible parties who are the sole landowner for the site.

In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

- 1) consider a cleanup proposal (corrective action plan)
- 2) consider a site closure proposal
- 3) make a determination that no further action is required
- 4) issue a closure letter

Carole Schultz  
re: 6952 Preston Ave, Livermore, CA  
October 29, 1999  
Page 2 of 2

You may use the enclosed "notice of proposed action" form (sample letter 3) to comply with this requirement. Before approving a cleanup proposal or site closure proposal, determining that no further action is required, or issuing a closure letter, the local agency will take all reasonable steps necessary to accommodate responsible landowner participation in the cleanup and site closure process and will consider all input and recommendations from any responsible landowner.

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



eva chu  
Hazardous Materials Specialist

Attachments

c: Chuck Headlee, RWQCB (w/o)

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



Envision: #6952 Preston

RO771 (LOP)  
RO2693 (SUC)

April 15, 1998

Jeff Reilley  
Kenetech Windpower, Inc.  
6592 Preston Avenue  
Livermore, CA- 94550

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

**Ref.: Padmount Transformer RAXF0118, 6592 Preston Avenue, Livermore,  
CA- 94550**

Dear Mr. Reilley,

This Department was informed of a transformer spill that occurred on the referenced site, through a *sequence of event* report, dated June 17, 1997. The report indicated that a LOMA turbine landed on the padmount transformer RAXF0018 rupturing the radiator and causing a oil leak on June 12, 1997

Based on the information provided to this Department, the contaminated soil was excavated on June 13, 1997, and four samples were collected from the spill area and analyzed for heavy petroleum hydrocarbons and BTEX. Based on the results of the sampling, this Department required that an additional one-foot of soil be excavated. Upon completion of the excavation, two additional soil samples were collected and analyzed for heavy petroleum hydrocarbons and BTEX. The laboratory results indicated insignificant concentrations of diesel up to 14 PPM and non-detects for BTEX. The excavation was backfilled with clean soil and the excavated soil was disposed of at Altamont Landfill and Resource Recovery Facility located in Livermore, California.

Based upon the available information and with provision that the information provided to this agency is accurate and representative of site conditions, no further action is required.  
If you have any questions, you may reach me at (510) 567-6764.

Sincerely,

Madhulla Logan  
Hazardous Material Specialist  
Environmental Health

ALAMEDA COUNTY  
HEALTH CARE SERVICESAGENCY  
DAVID J. KEARS, Agency DirectorR0771 (LOP)  
R02693 (SLIC)

April 15, 1998

Jeff Reilley  
Kenetech Windpower, Inc.  
6592 Preston Avenue  
Livermore, CA- 94550ENVIRONMENTAL HEALTH SERVICES  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
(510) 337-9335 (FAX)**Ref.: Padmount Transformer MWXf0076, 6592 Preston Avenue, Livermore,  
CA- 94550**

Dear Mr. Reilley,

This Department was informed of a transformer spill that occurred on the referenced site, through a hazardous materials spill report, dated August 15, 1997. According to the report, the radiator of the transformer was found struck on August 14, 1997 thereby causing the transformer to leak.

Based on the information provided to this Department, the contaminated soil was excavated on August 15, 1997 and four samples were collected from the spill area and soil pile and analyzed for heavy petroleum hydrocarbons and BTEX. Up to 47,000 ppm of diesel (aged diesel according to laboratory reports) and non-detects for BTEX was found in two of the soil samples. Based on the absence of carcinogens like benzene and since excavation was performed to the maximum extent possible without compromising the integrity of the building, this Department gave permission to backfill the excavated area. The excavation was backfilled with clean soil on August 23, 1997, and the excavated soil was disposed of at Altamont Landfill and Resource Recovery Facility located in Livermore, California.

Based upon the available information and with provision that the information provided to this agency is accurate and representative of site conditions, no further action is required.  
If you have any questions, you may reach me at (510) 567-6764.

Sincerely,

Madhulla Logan  
Hazardous Material Specialist  
Environmental Health

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R02693(suc)

✓ R0771 (LOP)

RAFAT A. SHAHID, Assistant Agency Director

April 22, 1992

DEPARTMENT OF ENVIRONMENTAL HEALTH  
Hazardous Materials Division  
80 Swan Way, Rm. 200  
Oakland, CA 94621  
(510) 271-4320

Mr. Brian Ward  
U.S. Windpower  
6952 Preston Ave.  
Livermore, Ca 94550

Re: FIVE-YEAR PERMIT FOR OPERATION OF FIVE  
UNDERGROUND STORAGE TANKS (UST'S) AT 6952  
PRESTON AVE LIVERMORE

According to our records the above mentioned facility has not received a five-year permit to operate UST's. Please complete the following items marked below and return them to me within 30 days. The example plans enclosed, should be used only as guidelines and may not meet your requirements under Title 23.

- ✓ 1. An accurate and complete plot plan.
- ✓ 2. A written spill response plan. (enclosed)
- ✓ 3. A written tank monitoring plan. (enclosed)
- ✓ 4. Results of precision tank test(s) (initial and annual).
- ✓ 5. Results of precision pipeline leak detector tests (initial and annual).
- ✓ 6. Complete UST PERMIT FORM A-one per facility. (enclosed)
- ✓ 7. Complete UST PERMIT FORM B-one per tank. (enclosed)
- ✓ 8. Complete UST PERMIT FORM C-one per tank if information is available. (enclosed)

Title 23 of the California Code of Regulation prohibits the operation of ANY UST without a permit. Please feel free to contact Jeff Shapiro at (510) 271-4320, if you have any questions which may arise in completing the mandatory five-year permit process.

Sincerely,

Ravi Arulanantham  
Senior Hazardous Materials Specialist

c: Gil Jensen, Alameda County District Attorney  
Rafat Shahid, Assistant Agency Director, Alameda  
County Department of Environmental Health

August 20, 1991

## Appendix A

### Workplan for Initial Subsurface Investigation

In recent years, the number of initial site investigations related to unauthorized releases of fuel products has increased dramatically. To assure that the workplans associated with these investigations can be reviewed and approved in a timely manner, it is essential that these documents have uniform organization and content.

The purpose of this appendix is to present an outline to be followed by professional engineering or geologic consultants in preparing workplans to be submitted for review and approval by Local Implementing Agencies and the Regional Board.

A statement of qualifications and the registration number of the California registered engineer and/or California registered geologist responsible for the project must be included with the submitted workplan and subsequent reports.

This appendix should be used in conjunction with the "Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites", August 1990.

### PROPOSAL AND REPORT FORMAT

#### I. Introduction

- A. Statement of Scope of Work
- B. Site location
- C. Background
- D. Site History

- 1. Brief description of the type of business and associated activities that take place at the site, including the number and capacity of operating tanks.
- 2. Description of previous businesses at the site.
- 3. Complete description of tank activities, tank contents, and tank removal.
  - a. number of underground tanks, uses, etc...



(include the volume and construction material of each tank)

b. Date of tank removal and condition of tank upon removal.

c. Description of all waste removal, including copies of all manifests.

d. Filing status and copy of unauthorized release form, if not previously submitted.

e. previous tank testing results and date. Include discussion of inventory reconciliation methods and results for previous three years.

f. Estimate of the total quantity of product lost.

4. Other spill, leak, and accident history at the site, including any previously removed tanks.

5. Describe any previous subsurface work at the site or adjacent sites.

## II. Site Description

A. Vicinity description and hydrogeologic setting.

B. Vicinity map (including wells located on-site or on adjoining lots, as well as any nearby surface water bodies (streams, ponds, etc...)).

C. Site map to include:

1. Adjacent streets.

2. Site building locations

3. Tank locations.

4. Island locations and piping to pumps from tanks.

5. Any known subsurface conduits, underground utilities, etc...

D. Existing soil contamination and excavation results.

1. Provide details of sampling procedures and methods used.

2. Indicate depth to groundwater, if encountered.

3. Describe soil types and soil strata encountered in excavation(s).

4. Provide in tabular form the analytic results of all previous soil and water sampling. The location of these samples should be included on the site map. The date sampled, the identity of the sampler, and signed laboratory data sheets need to be included. The laboratory data sheets must include the laboratory's assessment of the condition of samples upon receipt, including: a) temperature, b) container type, c) air bubbles present/absent in VOA bottles, d) proper preservation, and e) any other relevant information which might affect the analytic results of the sample(s).

5. Identify underground utilities.

6. Describe any unusual problems encountered during excavation or tank removal.

7. Describe in detail the methods used for storing, characterizing, and disposing of all contaminated soil and groundwater.

8. Reference all required permits, including those issued by the Air Quality Management District and local underground tank permitting agency and public encroachment permits when drilling offsite..

III. Plan for determining the extent of soil contamination on site.

A. Describe the method/technique(s) proposed for determining the extent of contamination within the excavation.

B. Describe sampling methods and procedures to be used.

1. If soil gas survey is planned, then:

a. Identify number of boreholes, location (on site map), sampling depth, etc...

b. Identify subcontractors, if any

c. Identify methods or techniques used for analysis

d. Provide quality assurance plan for field testing

Please note that soil gas surveys are not considered to

be a substitute for discrete soil samples from the excavation, borings, and/or wells, but is considered to be a screening tool only.

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

- a. Identify number and location (on site map) of proposed borings
- b. Indicate anticipated depth of borings
- c. Describe soil classification system, soil sampling method and rationale for it's use
- d. Describe boring drilling method, including decontamination procedures.
- e. Describe boring abandonment method

C. Describe the method(s) and criteria used to screen soil for petroleum hydrocarbon contamination, including a complete description of procedures to be used for storing and disposal of any excavated soil. If on-site soil aeration is to be used to remediate soil, then a complete description of the treatment method is required:

1. Volume and rate of aeration/turning
2. Method of containment and cover
3. Wet weather contingency plans

Other on-site soil treatment methods (bioremediation, etc....) require approval by the Regional Board. Off-site storage or treatment requires permits issued by the Regional Board.

D. Describe security measures planned for excavated hole and contaminated soil (i.e., six foot fence surrounding excavation, spoil piles, ripped up piping, etc...).

#### IV. Plan for determining groundwater contamination

Construction and placement of wells should adhere to the requirements specified in "Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites", August, 1990.

A. Placement of monitoring wells including rationale for their locations should be discussed. Their positions should be detailed on a scaled site map.

B. Drilling method for construction of monitoring wells, including decontamination procedures.

1. Expected depth and diameter of monitoring wells
2. Expected drilling date
3. Sampling method and sampling interval (split spoon, every 5', at changes of lithology, at the soil/water interface, etc...)
4. Well design and construction specifications, including casing type, diameter, screen length and interval, and filter pack and screen slot specifications including rationale for their selection. (sieve analysis, etc..)
5. Depth interval and type of seal
6. Construction diagram for wells
7. Well development method and criteria used for assessing adequacy of development (the time period between construction, development, and sampling should be noted)
8. Plans for characterizing and disposing of cutting spoils and development water (contact your Regional Board or Local Implementing Agency for guidance if on-site disposal is proposed)
9. Surveying plan for wells (requirements include surveying to established benchmark to 0.01 foot).

C. groundwater sampling plans (this should include plans for sampling of on-site domestic wells).

1. Water level measurement method
2. Method(s) for measuring free-product, observation of sheen and odor (must be done prior to well purging; the use of an interface probe when checking for the presence of free-product is highly recommended)
3. Well purging procedures
4. Well purge water characterization and disposal plans
5. Water sample collection protocol (include the pH, conductivity, and temperature of groundwater prior to sampling)

6. Compounds being sampled for and analytic methodology  
(see Table 2, Tri-Regional Recommendations)

7. Quality assurance/Quality Control plan

8. Chain of custody procedures

V. Site safety plan

A Preliminary Site Assessment report, documenting the results of the site investigation(s) proposed in the workplan should be submitted to the Local Implementing Agency and the Regional Board as soon as possible following completion of the work. This report should include recommendations for additional work needed to adequately remediate the subject site. A proposed implementation schedule for the additional work should also be included.

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Director



RO 2693 (SLIC)  
✓ RO 771 (LOP)

Certified Mailer #691 214 990

Telephone Number: (415) 271-4320

June 14, 1988

U.S. Windpower Inc.  
6952 Preston Ave.  
Livermore, CA 94550  
Attn: Steven M. McConnell

SUBJECT: 6952 PRESTON AVE., LIVERMORE CA, 94550

\*\*\*\*\* NOTICE OF VIOLATION \*\*\*\*\*

Dear Mr. McConnell:

On May 31, 1988, Lizabeth Rose of the Alameda County Department of Environmental Health, Hazardous Materials Division inspected your facility. The following violations with applicable code sections were noted.

- 1) No permit applications to operate your underground tanks are on file, with this office. This is a violation of Section 25286 of Chapter 6.7 of the California Health & Safety Code (H & SC).
- 2) Many 55-gallon drums were noted without labels. These drums appeared to contain waste materials. Section 66471 of Title 22, California Administrative Code (CAC) requires the generator to determine if their wastes are hazardous using specified criteria. Section 66508 of Title 22 specifies labelling requirements.
- 3) During the inspection, you indicated that the "waste abrasive " was being disposed of as non-hazardous. However, you did not have laboratory data to support this claim. As mentioned above, Section 66471, Title 22, requires the generator to make this determination using specified criteria.
- 4) An underground storage tank which appeared to be above 500 gallon size was noted stored aboveground. This tank appeared to have been used for waste oil storage. You were unable to identify where this tank came from. Underground tank removals require approval of this agency under authority of the CAC, Title 23, Article 7, Sections 2670(f), 2672 and the California Health and Safety Code (H & SC),

Chapter 6.7, Section 25298.

- 5) Hazardous wastes were not stored in an area which provides secondary containment. Section 67245, Title 22, CAC requires that container storage areas shall be designed to provide sufficient capacity in the event of accidental leaks, spills or precipitation. At the time of inspection, it was noted that a secondary containment system was under construction.
- 6) Receipts or manifests were not available for waste oil disposal and contaminated floor sweepings. Section 66480, Title 22, CAC states that a generator who offers for transportation, hazardous waste for off-site disposal, shall prepare a manifest. Separate manifest/receipts must be received for all waste specifying waste type and amount, and must be kept on file for 3 years.
- 7) Waste oil spillage was noted by the aboveground waste oil tank in the vehicle maintenance area. The on-site disposal of hazardous waste is a violation of Health and Safety Code, Section 25189.5 which pertains to non-permitted disposal of hazardous waste.

Section 66328(d) states that, when violations are found and corrections are needed, the operator shall submit a written plan of correction, which states the action to be taken and the expected dates of completion. Please provide to this office a written plan of correction within 14 days of the receipt of this letter.

Should you have any questions, please contact Lizabeth Rose, Hazardous Materials Specialist at 415/271-4320.

Sincerely,

*Rafat A. Shahid*  
Rafat A. Shahid, Chief  
Hazardous Materials Division

RAS:LR:mam

cc: Gil Jensen, Alameda County District Attorney, Consumer and  
Environmental Protection Agency  
Eric Carlson, Fire Marshal, City of Livermore