

P & D ENVIRONMENTAL

A Division of Paul H. King, Inc.
4020 Panama Court
Oakland, CA 94611
(510) 658-6916

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FAX TRANSMITTAL COVER SHEET

Date: 2/6/03 Job #: _____

To: Amit Gholami

Company: Alameda County

From: Paul King
P&D ENVIRONMENTAL

Number of pages in this transmittal, including this cover sheet: 4

SUBJECT: 2678 Conlidge Ave, Oakland Work Plan Addendum

MESSAGE: Amit,

As we discussed.

- Paul

If transmittal is incomplete, please call (510) 658-6916
P&D Environmental fax number: (510) 834-0772

DESTINATION FAX NUMBER: 337-9335

P & D ENVIRONMENTAL
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4020 Panama Court
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February 6, 2003
Letter 0298.L3

Mr. Amir Gholami
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

SUBJECT: SUBSURFACE INVESTIGATION WORK PLAN ADDENDUM
Fuel Leak Site RO0000357
2678 Coolidge Ave.
Oakland, CA

Dear Mr. Gholami:

In accordance with our telephone conversation today, the following items are discussed to augment the January 30, 2003 Subsurface Investigation Work Plan prepared by P&D Environmental, a division of Paul H. King, Inc. (P&D).

- Rationale for soil boring and groundwater monitoring well locations.
- Laboratory analysis of soil boring soil samples.
- Interim remedial actions.
- Preparation of isoconcentration contour maps.

Each of these is discussed below in detail.

Rationale For Soil Boring and Groundwater Monitoring Well Locations

There are presently only two wells at the site. Furthermore, they are screened in different hydrologic units. Well MW1 is interpreted to have been constructed in the regional water table. Well MW2 is interpreted to have been constructed in a perched zone above the regional water table. For these reasons, groundwater flow direction is not known from potentiometric surface data for the site. Based on review of site vicinity topography, the groundwater flow direction at the site is inferred to be to the southeast.

The proposed boreholes are at locations to evaluate the following issues.

- The extent of the perched water table detected in well MW2.
- The presence and extent of contamination in soil and groundwater.

The rationale for each of the boreholes is as follows.

February 6, 2003
Letter 0298.L3

B3: Based on the anticipated groundwater flow direction and the absence of perched water at MW1, the perched water is not anticipated at this location. However, this location will provide an upgradient sample location.

B4: This borehole will help to establish the extent of the perched water layer and the horizontal extent of contamination.

B5: This borehole will help to establish the extent of the perched water layer and the horizontal extent of contamination. In addition, it will help to evaluate anticipated transgradient (westerly) migration of contamination.

B6: This borehole will help to establish the extent of the perched water layer and the horizontal extent of contamination. In addition, it will help to evaluate anticipated transgradient (southerly) migration of contamination in the immediate vicinity of the former UST pit.

B7: This borehole will help to establish the extent of the perched water layer and the horizontal extent of contamination. In addition, it will help to evaluate anticipated downgradient (southeasterly) migration of contamination.

In the event that contamination is detected in the boreholes, additional boreholes will be proposed to define the extent of contamination. Once the extent of contamination has been defined, a limited number of strategically located wells will be proposed to monitor the plume perimeter and interior and to determine if the plume is expanding or not. Based on the results of the evaluation of the extent of the perched layer, groundwater monitoring wells may be required in the perched zone in addition to the regional water zone.

Laboratory Analysis Of Soil Boring Soil Samples

As you requested during our telephone conversation, soil samples will be analyzed at five foot intervals in the boreholes. Samples will be collected as described in the work plan and analyzed for constituents as described in the work plan.

Interim Remedial Action

Interim remedial action will consist of the placement of a hydrocarbon-absorbent sock in well MW2. The interim remedial action will be implemented upon work plan approval.

Preparation of Isoconcentration Contour Maps

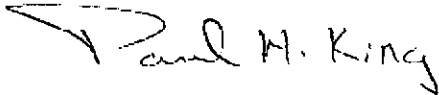
Maps showing borehole locations and soil and groundwater contamination concentrations for TPH Stoddard Solvent, benzene, and perchloroethylene (if detected) will be prepared and submitted with the report documenting implementation of the work plan.

February 6, 2003
Letter 0298.L3

Should you have any questions, please do not hesitate to contact us at (510) 658-6916.

Sincerely,

P&D Environmental



Paul H. King
President
California Registered Geologist #5901
Expires: 12/31/03

cc: Mr. Harold Turner

PHK
0298.L3