



CH2MHILL

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October 9, 2003

Mr. Geoffrey L. Grote, City Manager
City of Piedmont
120 Vista Avenue
Piedmont, CA 94611

Subject: Proposal for Technical Services in regard to Fuel Leak No. RO269, 340 Highland Avenue, Piedmont

Dear Mr. Grote:

In response to a September 25 request from Kimberly Johnson of the law firm of Meyers, Nave, Riback, Silver & Wilson, CH2M HILL, Inc. (CH2M HILL) is pleased to present this proposal to the City of Piedmont for providing technical peer review services. The scope of the technical services includes reviewing and preparing technical comments for the City on documents prepared by the property owners' consultants on environmental characterization work for Fuel Leak Case No. RO269 located at 340 Highland Avenue, Piedmont, California. CH2M HILL reviewed the September 18, 2003 letter from Scott Seery, Hazardous Materials Specialist with Alameda County, to understand the nature of the project. The intent is to provide the City with technical advice and feedback to assist in the successful outcome of the project.

Project Understanding

Our understanding of the technical project issues and requirements is based on review of the September 18, 2003 letter by Scott Seery. The primary concern is that the potential migration and impact of MtBE in groundwater is not understood. Alameda County has directed the property owners to develop an initial site conceptual model (SCM) that describes the physical and chemical conditions at the site, defines the hydrogeologic conditions that influence contaminant transport, and identifies potential risk to receptors. This SCM will provide the basis for a Soil and Water Investigation (SWI) Work Plan that describes the data quality objectives and investigation approaches to fill data gaps. In particular the following should be understood:

- Extent of contaminant plume (vertical and horizontal)
- Migration pathways and transport mechanisms (hydrostratigraphy)
- Current and future risk to receptors

After the Work Plan is approved by the County, the SWI will be conducted, and the SWI interim report and the ultimate SWI Completion Report will be prepared and submitted to the County. The results of the SWI will be used to prepare a Corrective Action Plan that contains final cleanup objectives and remedial alternatives for both soil and groundwater impacts, including those caused by MtBE and other oxygenates, that will adequately protect human health and safety and the environment, eliminate nuisance conditions, and protect water resources.

From discussions with Kimberly Johnson, we understand that the scope of peer review services for the City should be undertaken in two phases. Phase 1 will involve a review of historical data and regional hydrogeologic information to understand the present state of knowledge, followed by a peer review of the Site Conceptual Model and the SWI Work Plan prepared by the property owners' consultant. The deliverable for Phase 1 will be technical comments and recommendations for the City to transmit to the County. Phase 2 will involve peer review of the SWI report and the proposed Corrective Action Plan for the City to use to ensure that the cleanup work will meet the City's needs.

Scope of Work

Our proposed Scope of Work includes the following tasks:

Phase 1

- Task 1: Review Existing Documents
- Task 2: Review and Prepare Technical Comments on the Work Plan, Investigation Approach, and initial Site Conceptual Model (SCM)

Phase 2

- Task 3: Review and Prepare Technical Comments on the Soil and Water Investigation (SWI) Report and Investigation Results
- Task 4: Review and Prepare Technical Comments on the Corrective Action Plan

These tasks and subtasks are described in the following subsections.

Mr. Brian House, a senior hydrogeologist in CH2M HILL's Oakland, California office, will lead the services required to support this work. Mr. House has 12 years of experience managing a wide range of environmental investigations and contaminant transport projects for industrial, regulatory, and Federal clients.

Task 1 – Existing Document Review and Site Background Research

Relevant historical project documents will be reviewed and regional hydrogeologic reference material will be researched. The purpose of this review is to obtain an adequate conceptual understanding of the regional and local hydrogeologic conditions in addition to understanding site-specific historical operations and investigation results. This effort will provide a sound technical basis for conducting subsequent critical peer review services and providing substantive comments for the City to use in discussions with the County.

Task 2 – Review Work Plan for Soil and Groundwater Investigation (SWI) and Provide Comments

This task involves reviewing the Work Plan for the soil and water investigation (SWI) that includes an initial site conceptual model (SCM). The SCM should provide the basis and rationale for the soil and groundwater investigation approach and proposed technologies to be used to fill the identified data gaps.

Task 3 – Review SWI Report and Provide Comments

This task involves conducting a critical review of the SWI Investigation interim and Completion reports and providing technical comments on results and conclusions. The results of this phase of work will be used to determine the basis for clean-up objectives and corrective action alternatives.

Task 4 – Review Corrective Action Plan (CAP)

This task involves conducting a critical review of the corrective action plan (CAP) and providing technical comments to the City. It is anticipated that the CAP may include remedial alternatives evaluation, feasibility studies, and engineering cost estimates for selection of an economically and technically feasible method to effectively protect human health and and beneficial uses of groundwater.

Cost Estimate

The estimated time-and-materials cost for completing the proposed Phase 1 and Phase 2 tasks is summarized below:

Task Number	Task Description	Cost (\$)
1	Existing Document Review	1,250
2	Review WP for SWI and Prepare Comments	3,250
3	Review Work Plan for SWI and Prepare Comments	4,000
4	Review CAP and Prepare Comments	5,500
	Total	14,000

This proposal is valid for 30 days.

Schedule

CH2M HILL has the appropriate resources available to begin work on this project upon receipt of written approval of this proposal from the City. In the interests of speed, we are faxing this proposal to you. Please review it and, if it meets your approval, please call Jill Sideman and we will send a signed hard copy. In our previous transmittal to you, we included our standard contract form; if the City has a preferred contract form, please let us know.

CH2M HILL appreciates the opportunity to provide technical support to the City of Piedmont. We look forward to working on this project with you. If you have any questions, or would like additional information, please contact Jill Sideman at 510/587-7650.

Mr. Grote
Page 4
October 9, 2003

Sincerely,
CH2M HILL



Udai Singh
Vice President

cc: Mr. George Peyton, Esq.
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