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Alameda County
Environmental Health

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December 29, 2008
Project No. 84855

Mr. James W. Gotcher
City of Pleasanton
Public Works / Development Services
200 Old Bernal Avenue
P.O. Box 520
Pleasanton, California 94566

**SUBJECT: Work Plan Addendum to Environmental Site Investigation of
Fire Station No. 3, 3200 Santa Rita Road, Pleasanton,
California**

Dear Mr. Gotcher:

Kleinfelder is pleased to present the City of Pleasanton with this Work Plan Addendum to Environmental Site Investigation of Fire Station No. 3 located at 3200 Santa Rita Road in Pleasanton, California (the Site). This addendum was prepared at your request in accordance with our proposal dated November 11, 2008, and in response to a letter from Alameda County Environmental Health (ACEH), dated September 24, 2008, requiring additional work at the site.

Kleinfelder's Environmental Site Investigation report, dated August 11, 2008, identified total petroleum hydrocarbons in the diesel range (TPHd) in a groundwater grab sample from the first (shallow) encountered aquifer at a concentration of 49,000 micrograms per liter, and recommended collection and analysis of soil and groundwater samples from four additional soil borings at the Site.

In a letter dated September 24, 2008, Mr. Jerry Wickham of ACEH approved the recommendations and requested a work plan addendum to the August 11, 2008 report to include one additional soil boring to a minimum depth of 60 feet in order to assess the vertical extent of hydrocarbon impacts to soil and/or groundwater.

SCOPE OF WORK

Kleinfelder will schedule site access with the City, and will coordinate the field work with our subcontractors (e.g. analytical laboratory, and drilling subcontractor). We will obtain drilling permits from the Zone 7 Water Agency for the soil borings.

Kleinfelder will notify Underground Service Alert (USA) of our soil boring locations at least 48 hours prior to the start of field work. We will also retain a private utility locating company to check for underground utilities in the vicinity of the soil boring locations. Kleinfelder will update an existing site-specific health and safety plan for the proposed Additional Environmental Site Assessment.

Soil and Groundwater Sampling

Soil and groundwater samples will be collected from five soil borings, as shown on Plate 1, utilizing a truck-mounted direct-push (GeoProbe) drilling rig. Four borings will be continuously cored to a depth of approximately 40 feet below ground surface (bgs). One groundwater grab sample will be collected from each boring using the methods described below.

One boring will be continuously cored to a depth of approximately 60 feet bgs using the dual tube system to isolate the first encountered aquifer and avoid cross contamination of the lower aquifer. Discrete groundwater grab samples will be collected from the upper and lower water-bearing zones. In the event that a total depth of 60 feet bgs cannot be reached using the above-described methods, the deeper boring will be drilled using a truck-mounted drill rig equipped with six-or eight-inch hollow-stem augers. Soil samples will be collected every five feet starting at the depth at which the direct-push boring was terminated (rounded to the nearest 5 feet). Based on boring logs from the Valero site to the south across West Las Positas Boulevard from Fire Station No. 3, Kleinfelder expects to encounter the second water-bearing zone at a minimum depth of 45 feet bgs. Drilling with a hollow-stem auger will be terminated at approximately 45 feet bgs, and a discrete groundwater grab sample will be collected from the deeper water-bearing zone using a Hydropunch™ tool, or equivalent. If used, the Hydropunch tool will be driven approximately five feet beyond the total depth of the boring. The rod string will be pulled back approximately two to three feet in order to maintain a seal and minimize the possibility of down hole movement of ground water from the first water-bearing zone to the deeper water-bearing zone.

A Kleinfelder representative will oversee the drilling and sampling activities, and will prepare a log of the soils encountered in each boring. Samples will be collected for chemical analyses at each location. The soil samples will be

screened in the field using a photoionization detector (PID) to measure volatile organic compounds. In the event that signs of impacted soils are observed (i.e., visual staining, odor, elevated PID readings, etc.), samples from the impacted soil interval will be collected. Sampling equipment will be decontaminated between sampling intervals. We anticipate that two soil samples will be collected for chemical analyses at each boring location. If there are no obvious signs of contamination, samples will be collected at approximately 8 and 12 feet bgs, above groundwater anticipated at 25 feet bgs. Soil samples will be retained in acetate sampling sleeves.

A shallow groundwater sample will be obtained from the each of the five borings, using temporary PVC screen and casing, or a Hydropunch. A discrete groundwater sample will be obtained from the deeper aquifer in the deeper boring as described above. Using a clean disposable bailer or dedicated polyethylene tubing, a groundwater sample will be retrieved from each sampling location, and decanted into clean containers provided by the chemical testing laboratory.

Sampling equipment will be decontaminated prior to use and between sample intervals. Decontamination will be performed using either a steam cleaner or a laboratory-grade detergent solution followed by a two-stage rinse with distilled or deionized water.

Soil and groundwater samples to be chemically analyzed will be stored in a chilled ice-chest and delivered to a state-certified chemical testing laboratory under chain-of-custody protocol for the chemical analyses.

Sample Analyses

Kleinfelder will submit two soil samples from each soil boring for chemical analyses. One groundwater sample will be submitted from each shallow boring, and two groundwater samples will be submitted from the deeper boring. The soil and groundwater samples will be submitted to a state-certified chemical testing laboratory under chain-of-custody protocol.

The soil samples will be analyzed using the following analytical methods:

- Total petroleum hydrocarbons as gasoline (TPHg), diesel (TPHd), and motor oil (TPHmo), using EPA Method 8015m with a silica gel cleanup procedure (10 soil samples);
- Volatile organic compounds (VOCs), including fuel oxygenates, using EPA Method 8260 (10 soil samples);

Six groundwater samples will be analyzed for the same suite of analyses as the soil samples. The soil and groundwater samples will be analyzed on a standard turn-around time of 1 to 2 weeks.

Additional Environmental Site Assessment Report

Kleinfelder will compile the chemical test results and prepare data summary tables. We will compare the results to relevant regulatory criteria and guidance. The scope and results will be compiled in an Additional Environmental Site Assessment report. The report will include our conclusions regarding the extent of petroleum related impacts to soil and groundwater, and our recommendations for further action, if any, at the Site. The report will also include a site plan showing soil boring locations, boring logs, data summary tables, and the laboratory analysis reports.

LIMITATIONS

This work was performed in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other representation, guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

This report may be used only by the City of Pleasanton and the registered design professional in responsible charge and only for the purposes stated for this specific engagement within a reasonable time from its issuance, but in no event later than two (2) years from the date of the report.

The work performed was based on project information provided by the City of Pleasanton. If the City of Pleasanton does not retain Kleinfelder to review any plans and specifications, including any revisions or modifications to the plans and specifications, Kleinfelder assumes no responsibility for the suitability of our recommendations. In addition, if there are any changes in the field to the plans and specifications, the City of Pleasanton must obtain written approval from Kleinfelder's engineer that such changes do not affect our recommendations. Failure to do so will vitiate Kleinfelder's recommendations.

Kleinfelder offers various levels of investigative and engineering services to suit the varying needs of different clients. It should be recognized that definition and evaluation of geologic and environmental conditions are a difficult and inexact

science. Judgments leading to conclusions and recommendations are generally made with incomplete knowledge of the subsurface conditions present due to the limitations of data from field studies. Although risk can never be eliminated, more-detailed and extensive studies yield more information, which may help understand and manage the level of risk. Since detailed study and analysis involves greater expense, our clients participate in determining levels of service that provide adequate information for their purposes at acceptable levels of risk. More extensive studies, including subsurface studies or field tests, should be performed to reduce uncertainties. Acceptance of this report will indicate that the City of Pleasanton has reviewed the document and determined that it does not need or want a greater level of service than provided.

During the course of the performance of Kleinfelder's services, hazardous materials may have been discovered. Kleinfelder assumes no responsibility or liability whatsoever for any claim, loss of property value, damage, or injury that results from pre-existing hazardous materials being encountered or present on the project site, or from the discovery of such hazardous materials. Nothing contained in this report should be construed or interpreted as requiring Kleinfelder to assume the status of an owner, operator, or generator, or person who arranges for disposal, transport, storage or treatment of hazardous materials within the meaning of any governmental statute, regulation or order. The City of Pleasanton is solely responsible for directing notification of all governmental agencies, and the public at large, of the existence, release, treatment or disposal of any hazardous materials observed at the project site, either before or during performance of Kleinfelder's services. The City of Pleasanton is responsible for directing all arrangements to lawfully store, treat, recycle, dispose, or otherwise handle hazardous materials, including cuttings and samples resulting from Kleinfelder's services.

The information included on graphic representations in this letter has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. These documents are not intended for use as a land survey product nor are they designed or intended as a construction design document. The use or misuse of the information contained on these graphic representations is at the sole risk of the party using or misusing the information.

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CLOSING REMARKS

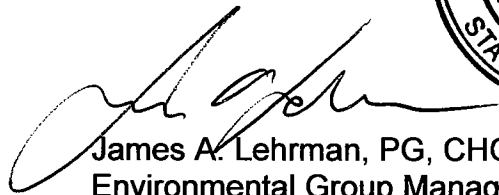
We appreciate the opportunity to work with you on this project. If you have any questions regarding this letter, or if Kleinfelder may be of further assistance with this project, please call Jim Lehrman at (925) 484-1700.

Sincerely,

KLEINFELDER WEST, INC.



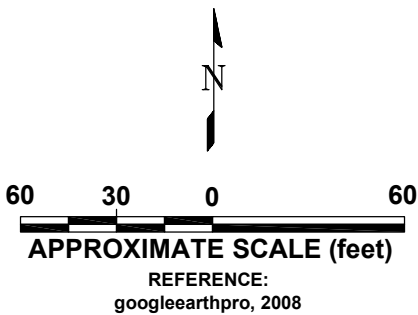
John L. Williams, III, PG
Staff Geologist



James A. Lehrman, PG, CHG
Environmental Group Manager



Attachment: Plate 1 – Proposed Soil Boring Locations



LEGEND

- — — — — PROPERTY LINE
- STORM DRAIN INLET
- **SR-2** SOIL BORING (by Kleinfelder, 2008)
- ◆ **SR-1** SOIL BORING (by Kleinfelder, 2007)
- ⊙ PROPOSED SOIL BORING
- PROPOSED DEEPER SOIL BORING

NOTE: Locations are approximate.

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DRAWN:	DEC 2008
DRAWN BY:	LGS/JDS
CHECKED BY:	JAL
FILE NAME:	FH#3_UST_2008-12.dwg

PROPOSED SOIL BORING LOCATIONS
PLEASANTON FIREHOUSE #3 3200 SANTA RITA ROAD PLEASANTON, CALIFORNIA

PLATE

1