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By Alameda County Environmental Health 3:27 pm, Feb 03, 2017

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G E O T E C H N I C A L ■ E N V I R O N M E N T A L ■ M A T E R I A L S



Geocon Project No. E8722-02-01B
February 2, 2017

Mr. Keith Nowell
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Subject: RESPONSE TO COMMENTS
FORMER CALTRANS HEGENBERGER MAINTENANCE STATION
555 HEGENBERGER ROAD
FUEL LEAK CASE NO. RO0000225
OAKLAND, CALIFORNIA

Dear Mr. Nowell:

As requested in your directive letter dated January 4, 2017, we have prepared this *Response to Comments* document on behalf of Caltrans District 4 (Caltrans). Caltrans' authorization to submit this document is attached.

We will address the technical comments in your letter in the order they were presented.

Technical Comment #1:

The ACDEH requests that MW-5 not be abandoned prior to the proposed soil and groundwater remediation effort, and that a shallower-depth well be proposed for construction in the immediate vicinity of MW-5 in the *Well Installation Workplan* that is to be submitted to the ACDEH after the soil and groundwater remediation field work has been completed.

Geocon Response:

We agree.

Technical Comment #2:

The ACDEH recommends removing soil to minimum depth of 8 feet beneath the entire excavation area during the soil remediation effort.

Geocon Response:

Soil removal, where conducted, will be removed to a minimum depth of 8 feet

Technical Comment #3:

ACDEH and Geocon agree on the soil sample density.

Technical Comment #4:

The ACDEH and Geocon agree that soil samples will be additionally analyzed for naphthalene.

Technical Comment #5:

The ACDEH requested that Geocon address the manner in which a determination will be made regarding the presence of free product. Will it be made solely on field observations or will secondary evidence also be used in making the determination?

Geocon Response:

The presence of free product will be based on field observations. Petroleum is lighter than water so it will be visible where present. We should be able to remove the visible petroleum hydrocarbon mass down to a sheen at which point the remaining light non-aqueous-phase liquid (if present in the form of a sheen) will be destroyed in-place along with the bulk of the dissolved-phase contaminant mass via chemical oxidation. An oxygen release compound will also be introduced into groundwater ponded in the excavation as a polishing agent to enhance the natural biodegradation of the remaining petroleum hydrocarbon mass once the excavation area is backfilled.

Technical Comment #6:

The ACDEH and Geocon agree that all site wells (MW-1 to MW-5) will be sampled prior to the proposed pre-remediation well abandonments.

Technical Comment #7:

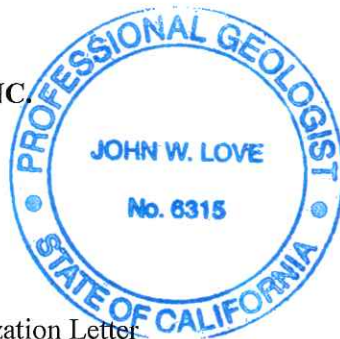
The ACDEH and Geocon agree that soil samples will be additionally analyzed for naphthalene.


If you have any questions, please contact John Love at (925) 371-5900, extension 407.

Sincerely,

GEOCON CONSULTANTS, INC.


John Love, PG
Senior Project Geologist




Richard Day, CEG, CHG
Senior Geologist

Attachment: Caltrans Authorization Letter

cc: Mr. Bahram Sazegar, Caltrans District 4

February 2, 2017

Mr. Keith Nowell
Alameda County Health Care Services
Environmental Protection Division
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Reference: Response to Comments
Former Hegenberger Maintenance Station
555 Hegenberger Road
Oakland, California

Dear Mr. Nowell:

Attached for your review is the *Response to Comments* for the Former Hegenberger Maintenance Station located at 555 Hegenberger Road in Oakland, California. This document was prepared for the Alameda County Health Care Services Environmental Protection Division by Geocon Consultants, Inc.

I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCB GeoTracker website.

If you have any questions, please don't hesitate to contact me or Geocon project manager John Love at (925) 371-5900 extension 407.

Sincerely,



Ray Boyer, P.E.
Office of Environmental Engineering
Division of Planning & Engineering
Caltrans District 4