

Nowell, Keith, Env. Health

To: Bishop, Timothy L
Subject: RE: Fuel Leak Case RO298 Unocal #4625, 3070 Fruitvale Ave., Oakland

Dear Mr. Bishop,

Your extension request for the subject fuel leak case to March 21, 2014 is acceptable.

Regards,
Keith Nowell

Keith Nowell PG, CHG
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6540
phone: 510 / 567 - 6764
fax: 510 / 337 - 9335
email: keith.nowell@acgov.org

PDF copies of case files can be reviewed/downloaded at:

<http://www.acgov.org/aceh/top/ust.htm>

From: Bishop, Timothy L [mailto:TimBishop@chevron.com]
Sent: Friday, February 28, 2014 3:03 PM
To: Nowell, Keith, Env. Health
Cc: Roe, Dilan, Env. Health; Jim Harms (jim.harms@aecom.com); Fischer, Alexis N
Subject: FW: Fuel Leak Case RO298 Unocal #4625, 3070 Fruitvale Ave., Oakland

Dear Mr. Nowell,

On January 30, 2014, Chevron and AECOM met with you regarding fuel leak case for Unocal #4625, 3070 Fruitvale Avenue, Oakland, Alameda County Environmental Health (ACEH) case number RO0000298. During the meeting, we agreed to provide a Focused Site Conceptual Model to ACEH by February 28, 2014.

AECOM has had difficulty obtaining utility information and just this morning received some sewer data from Brian Kimball with Oakland.net; however the sewer information did not include service lateral locations or depth information. Preferential pathway data is important to the technical response for this site. The utility information will be compiled with the requested information in a draft Focused Conceptual Site Model as requested, any data gaps remaining will be noted.

An extension to March 21, 2014 is requested for RO298.

Chevron and AECOM appreciate working with ACEH to move this case toward closure.

Thank you,

Timothy L. Bishop, P.G.
CEMC Project Manager
Mobile: 925.588.4662

From: Nowell, Keith, Env. Health [<mailto:Keith.Nowell@acgov.org>]
Sent: Monday, February 03, 2014 2:07 PM
To: 'TimBishop@chevron.com'
Cc: Harms, James; 'AFischer@Chevron.com'; Roe, Dilan, Env. Health
Subject: FW: Fuel Leak Case RO298 Unocal #4625, 3070 Fruitvale Ave., Oakland

Tim,

Please excuse the typo in the earlier email.

Regards,

Keith Nowell

From: Nowell, Keith, Env. Health
Sent: Monday, February 03, 2014 2:00 PM
To: 'TimBishop@chevron.com'
Cc: 'jim.harms@aecom.com'; 'AFischer@Chevron.com'; Roe, Dilan, Env. Health
Subject: Draft Fuel Leak Case RO298 Unocal #4625, 3070 Fruitvale Ave., Oakland

Dear Mr. Bishop,

Thank you, Jim Harms of AECOM, and Alexis Fischer of Chevron Environmental Management Company (Chevron) for participating in the meeting on January 30, 2014 regarding fuel leak case for Unocal #4625, 3070 Fruitvale Avenue, Oakland, Alameda County Environmental Health (ACEH) case number RO0000298. The purpose of the meeting was to discuss the status of the case and identify action items to move the case forward toward closure. ACEH acknowledged the case may be a candidate for closure in the near future under the State Water Resources Control Board's (SWRCBs) Low Threat Underground Storage Tank Case Closure Policy (LTCP) provided concerns regarding the instability of total petroleum hydrocarbons as gasoline (TPHg) and methyl tertiary butyl ether (MTBE) concentrations in one well (MW-5), apparent inconsistencies of TPHg and MTBE groundwater concentrations observed in on-site and down gradient sampling locations, and the vertical delineation of contaminant plume are addressed.

Therefore at this juncture, please address the following technical comments and submit the requested document by the date specified below:

Technical Comments

- Concentration Instability – The concentrations of TPHg and MTBE in groundwater in MW-5, located at the down gradient edge of the site, appear to increase with increasing depth to water. Please provide an explanation of the relationship of fluctuating concentrations with depth to water for TPHg and MTBE and whether residual source may be present.
- Concentration Inconsistency – Based on the apparent inconsistency in contaminant concentrations, it is unclear to ACEH that the contaminant plume has been delineated. The groundwater flow direction at the site appears relatively stable. However, apparent inconsistencies of TPHg and MTBE concentrations observed in groundwater in MW-5 and the cone penetrometer test location CPT-2 exist when compared with the down gradient CPT-7, CPT-8 and monitoring well MW-8. Please evaluate the plume length using the LTCP Groundwater Justification paper based on concentrations reported in MW-5 and CPT-2. Please discuss if a preferential pathway may exist altering the direction of the contaminant plume.
- Vertical Delineation – The vertical delineation of contaminant plume appears undefined. The depth discrete groundwater sample from CPT-1, recovered from an interval of 41 to 46 feet below the ground surface (bgs), was reported to contain concentrations of TPHg (1,800 micrograms per liter ($\mu\text{g/L}$)), benzene (52 $\mu\text{g/L}$), toluene (170 $\mu\text{g/L}$), ethylbenzene (64 $\mu\text{g/L}$), and xylenes (320 $\mu\text{g/L}$) (BTEX), and MTBE (25 $\mu\text{g/L}$). Grab groundwater sample CPT-1 (41-46) is the deepest water sample collected at the site.

As discussed in the meeting please prepare a focused site conceptual model to address the technical comments above for discussion for the next meeting to discuss the status of the case and identify action items to move the case forward toward closure.

Technical Report Request

Please provide a draft technical report to ACEH (Attention: Keith Nowell), for consideration prior to the next meeting, following specified schedule:

- **February 28, 2014 – Focused Site Conceptual Model (draft)** (file name: RO0000298_SCM_R_yyyy-mm-dd)

Thank you for your cooperation. ACEH looks forward to working with you and your consultant to advance the case toward closure. Should you have any questions regarding this correspondence or your case, please call me at (510) 567-6764 or send an electronic mail message at keith.nowell@acgov.org.

Respectfully,

Keith Nowell

Keith Nowell PG, CHG
Hazardous Materials Specialist
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