

## Nowell, Keith, Env. Health

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**From:** Nowell, Keith, Env. Health  
**Sent:** Friday, April 17, 2015 9:26 AM  
**To:** Yoo, James  
**Cc:** David Beretta; Walter Sprague (WSprague@pcandf.com); Ed.C.Ralston@p66.com; 'Dennis.Dettloff@anteagroup.com'; 'paulk@gkfreemontlaw.com'; Roe, Dilan, Env. Health; Steve Moriarty; Beretta Facilities  
**Subject:** Fuel Leak Case No. RO0000219 and GeoTracker Global ID T0600101476, UNOCAL # 5043, 449 Hegenberger Road, Oakland

Hi James,

It has come to the attention of Alameda County Environmental Health (ACEH) that a proposed method of backfilling groundwater monitoring wells at the subject fuel leak site includes the placement of soil as impervious seal material into the over-drilled borehole. This method is inconsistent with ACEH's understanding of Chapter II, Section 23 of the Department of Water Resources (DWR) California Well Standards Bulletin 74-90 which presents the requirements for destroying wells. It is our further understanding that in order to comply with the DWR well destruction standards, Alameda County Public Works Agency (ACPWA), the well permitting agency for this site, recognizes two methods of well destruction:

1. Over-drilling and backfill with neat cement, sand-cement grout, and concrete.
2. Pressure grouting the well with neat cement or grout.

Additionally, we understand a hole shall be excavated around the well casing to a depth of 5 feet below the ground surface and the well casing removed to the bottom of the excavation with the sealing material used for the upper portion of the well shall be allowed to spill over into the excavation to form a cap. After the well has been properly filled, including sufficient time for sealing material in the excavation to set, the excavation shall be filled with native soil.

Can you please provide clarification to ACEH, the Responsible Parties, and consultants listed in the cc above on the required procedure.

Thank you,  
Keith Nowell

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

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