

## Nowell, Keith, Env. Health

---

**To:** Dennis.Dettloff@anteagroup.com  
**Cc:** wsprague@pcandf.com; Roe, Dilan, Env. Health  
**Subject:** Fuel Leak Case RO219 - 76 Station at - 449 Hegenberger, Oakland

Dennis,

ACEH has reviewed the case file including the recently submitted work plan entitled *Work Plan –Monitoring Well Installation*, dated November 21, 2013 for the above referenced fuel leak case. The work plan proposes the installation of two monitoring wells across Hegenberger and down gradient of the contaminated area as identified by the on-site well MW-17. As reviewed in our phone conversation on December 17, 2013, ACEH believes the installation of monitoring wells in these locations is premature and that a preliminary investigation with the collection of grab-groundwater samples may be adequate to evaluate groundwater contaminant migration. ACEH conditionally agrees with the work plan with the understanding that grab-groundwater samples will be recovered from temporary borings in lieu of the proposed monitoring wells.

As discussed in our December 17 conversation please prepare a figure showing the proposed boring location south of the on-site well MW-13 in order to delineate the MTBE/TBA plume migrating through this area. As briefly touched on in our conversation, the contaminant plume down gradient of MW-14 and evidenced by concentrations of total petroleum hydrocarbons as gasoline in soil boring SB-4 does need to be delineated. As you have indicated below the locations of these boring should be between wells MW-7 and MW-8. Please include on your figure the proposed boring locations for the collection of soil and grab-groundwater samples to delineate this plume. Please submit the figure showing your proposed boring locations by January 4, 2014.

Thank you for your cooperation. 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](mailto:keith.nowell@acgov.org).

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/lop/ust.htm>

---

**From:** Dennis Dettloff [mailto:Dennis.Dettloff@anteagroup.com]  
**Sent:** Tuesday, December 17, 2013 11:45 AM  
**To:** Nowell, Keith, Env. Health  
**Cc:** Roe, Dilan, Env. Health; Walter T. Sprague (wsprague@pcandf.com)  
**Subject:** RE: Fuel Leak Case RO219 - 76 Station at - 449 Hegenberger, Oakland

Mr. Nowell:

It was good talking to you this morning about the above referenced location.

I agree that a direct push boring would likely be preferable to monitoring wells MW-18 and MW-19 across Hegenberger Road. Instead of doing any in the vicinity of MW-19 we could just do one in the vicinity of the proposed MW-18 location. The additional boring could be advanced down-gradient (south-southeast) of monitoring well MW-13. It appears to me that the best location for this boring would likely be in the right hand turning lane, off of Hegenberger Road, into the Carrows parking lot. That will only work if the City of Oakland will allow us to advance a boring into the street. We can give it a shot. If not we can discuss other options.

Now south of SB-4 , is monitoring well MW-7. This well is generally clean, but has indicated TPHg at low concentrations on occasion. All other constituents tested, with the exception of TBA at 7 ug/L have been below the LRL since 2005. If we can get approval from the property owner, we could advance a boring between monitoring wells MW-7 and MW-8. I believe this would be the best idea for delineation down-gradient of boring SB-4 and monitoring well MW-14.

Let me know if my ideas are acceptable to you. Don't hesitate to contact me if you have any questions.

Regards,

**Dennis S. Dettloff, P.G. | Senior Project Manager | Antea Group**

Direct + 916 503 1261 | USA Toll Free 800 477 7411

[Dennis.Dettloff@anteagroup.com](mailto:Dennis.Dettloff@anteagroup.com) | [www.anteagroup.com](http://www.anteagroup.com)

Member of Inogen® | [www.inogenet.com](http://www.inogenet.com)



---

**From:** Nowell, Keith, Env. Health [<mailto:Keith.Nowell@acgov.org>]

**Sent:** Tuesday, December 17, 2013 10:27 AM

**To:** Dennis Dettloff

**Cc:** Roe, Dilan, Env. Health; Walter T. Sprague ([wsprague@pcandf.com](mailto:wsprague@pcandf.com))

**Subject:** Fuel Leak Case RO219 - 76 Station at - 449 Hegenberger, Oakland

Dennis,

I would like to discuss the work plan for well installation re RO219- 449 Hegenberger in Oakland. Items for discussion include:

1. the possibility of recovering grab-groundwater samples prior to well installation;
2. delineating the area south to southwest of MW-14/ SB-4; and
3. the possibility of looking down gradient of MW-13.

Please contact me at 510 / 567 - 6764.

Thank you,  
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](mailto:keith.nowell@acgov.org)

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

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

This e-mail is personal. For our full disclaimer, please visit <http://www.anteagroup.com/confidentiality>.