

**From:** Wickham, Jerry, Env. Health  
**Sent:** Tuesday, October 07, 2008 10:00 AM  
**To:** 'Olivia Jacobs'  
**Cc:** Erik Lervaag; James Jacobs; Rob Nelson; Saur, Robert; Malcolm Leader-Picone  
**Subject:** RE: RO0002949; 623-638 2nd Street, Oakland

Olivia,

I called Erik Lervaag today. The next action should depend upon whether you are able to reach a depth of 30 feet bgs in the other two proposed deeper borings. If you are able to reach depth in the other two proposed deeper borings, then extending a third boring that is outside the center line is acceptable. For the third deeper boring outside the center line, select a boring that will provide the best coverage to obtain a lower depth-discrete groundwater sample in the downgradient direction.

If you are unable to reach 30 feet bgs in any borings, you will need to review the hydrogeology and proposed drilling methods for the site.

Regards,

Jerry Wickham  
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**From:** Olivia Jacobs [mailto:OJacobs@clearwatergroup.com]  
**Sent:** Monday, October 06, 2008 2:50 PM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Erik Lervaag; James Jacobs; Rob Nelson; Saur, Robert; Malcolm Leader-Picone  
**Subject:** RO0002949; 623-638 2nd Street, Oakland

In your letter of August 12, 2008, you requested three deep soil borings with samples collected from 5, 10, 15, 20 and 30 feet bgs. We are drilling today, with a Geoprobe. We have been able to reach a depth of 16 feet bgs. There is no staining, odor or PID reading from the soil core from this SB-11 boring.

We are encountering an indurate sandstone which the driller is unable to penetrate with the direct push technique. We have until 4 pm, before the traffic permit requires that we return the street to the public. This is our only deep hole in the center of the road.

Here are two options:

1) Can we skip the bottom two samples from this hole, and instead, use a different hole in one of the other

lines of borings (either on the east side, towards the building, or the west side, near PG&E) and thus have two deep holes in one line, no deep holes in one line and one deep hole in the last line.

2) mobilize a different rig and change the permit to accommodate additional work in the center line.

Please advise.

Olivia Jacobs

(Please call Erik Lervaag to discuss; 510-590-1097, and copy your response to him at [elaervaag@clearwatergroup.com](mailto:elaervaag@clearwatergroup.com).)

Thanks.