Wickham, Jerry, Env. Health

From: Wickham, Jerry, Env. Health
Sent: Monday, March 01, 2010 2:39 PM
To: Lydia Huang
Cc: tmccoy@bbiconstruction.com
Subject: RE: Clarification of Technical Comment - 751-785 Seventh Street, Oakland - RO0002586

Hello Lydia,

Your proposal is acceptable. I am sorry took a while to get back to you.

Regards,
Jerry Wickham
Alameda County Environmental Health

From: Lydia Huang [lydia@baseline-env.com]
Sent: Wednesday, February 24, 2010 10:16 AM
To: Wickham, Jerry, Env. Health
Cc: tmccoy@bbiconstruction.com
Subject: Clarification of Technical Comment - 751-785 Seventh Street, Oakland - RO0002586

Hi Jerry,

I am contacting you to request clarification on one of the technical comments contained in your December 10, 2009 letter regarding our work plan for additional investigation at the former Francis Plating site. Comment 1 directs that the borings for the two proposed deeper wells be continuously sampled from ?20 feet bgs to the base of the two deeper soil borings. The depths of the screen interval for the deeper wells are to be based upon the depths at which Bay Mud or significant fine-grained soils are encountered in the deeper well borings." **We are scheduled to begin well installation next Tuesday, March 2nd. We hope that you will have a chance to provide clarification on this matter before we install the deeper wells.**

To recap, the lithology at the site consists of about four feet of fill on top of native Merritt Sands. The thickness of the Merritt Sands at the site is unknown but may be quite deep. Old Bay Mud is expected to be beneath the Merritt Sands. The two existing and all the proposed new shallow wells are to be screened from about 12 to 25 feet bgs, to intercept the shallowest groundwater. It was our original intention to screen the new deeper wells between about 35 to 45 bgs to get an indication of the vertical dispersion of the chemicals. It was not our original intention to screen the new deeper wells at the bottom of the Merritt Sands.

We were uncertain whether your comment directed us to install the deeper wells at the bottom of the Merritt Sands, regardless of how deep it is. If the bottom of the Merritt Sands were somewhere around 50 feet bgs, we would not hesitate to screen the deeper wells at the bottom of the Merritt Sands. However, if the bottom of the Merritt Sands were to be 60 or 70 feet bgs or deeper, we would be hesitant to screen the deeper wells that deep because the lack of groundwater quality data at shallower depths would be a significant data gap.

So, our proposal is to conduct continuous sampling in the one on-site boring drilled for the deeper well (MW-FP4B) to determine the thickness of the Merritt Sands. However, regardless of the actual thickness of the Merritt Sands, we would install both deeper wells such that the bottom of the screen interval is not deeper than 50 feet bgs. We request not doing continuous sampling in the boring for the off-site deeper well (MW-FP6B) if the Merritt Sands were found to be deeper than 50 feet bgs in the on-site well location. Since the Merritt Sands is a aeolian deposit, it?s topology would not be expected to vary significantly in across a city block.

Thank you for your attention.

-Lydia Huang
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