

Detterman, Mark, Env. Health

From: Sami Malaeb [s.malaeb@comcast.net]
Sent: Tuesday, August 24, 2010 5:16 PM
To: Detterman, Mark, Env. Health
Cc: Reinlib@aol.com
Subject: FW: RO2945 - 2145 35th Ave, Oakland
Attachments: Figure 7- Proposed borings (2145 35th Avenue 08.23.10).PDF

Hi Mark:

Thank you for the phone call today and for your time. This email is to record our conversation regarding the coming Addendum to the revised work plan dated June 4, 2010. In the work plan, we included discrete water sampling from three borings, B5, B9, and B12. To address your concern in your email below, we discussed the following:

Borings B5, B9, and B12 will be drilled in pairs as (B5A and B5B); (B9A and B9B); and (B12A and B12B). Please see the attached revised figure 7.

The A borings will be drilled up to 40 feet below surface grade (bsg) and logged continuously to study the lithology of the soil and assess the depth of the second water bearing zone. Drilling will stop at shallower depth if the second water bearing zone is encountered shallower than 40 feet bsg. Should the second water bearing zone not be encountered after drilling to 40 feet bsg, drilling will stop at this depth. Soil samples will be collected from the A borings for laboratory analysis at suspect locations of contamination, indicated by odor, stain, or reading of the PID meter. Groundwater sample will be collected from the first water bearing zone (first encountered water). Should contamination be encountered at shallow depth up to 20 feet bsg, further deeper drilling will be stopped to avoid driving down the contamination to the deeper zone. Then, we step out approximately 10 to 15 feet in the projected downgradient, until we find cleaner area and repeat the same procedure of the drilling and sampling.

The B Borings will be paired with the A borings and located within approximately 5 feet from the A borings. At the location of the B borings, we simply drive down the rod to the indicated depth of the second water bearing zone or deeper water, indicated by the A boring, and collect a discrete water sample for analysis from the B boring.

Based on the above email, an Addendum will be prepared to the revised work plan dated June 4, 2010 to document our conversation. The Addendum will be uploaded to the Alameda County Environmental Health ftp Site and to the State of California Water Resources Control Board Geotracker site.

Thanks for your help,

Respectfully,

Sami Malaeb, P.E.
Mobile: (925) 858-9608
Email: s.malaeb@comcast.net

From: Detterman, Mark, Env. Health [<mailto:Mark.Detterman@acgov.org>]
Sent: Tuesday, August 17, 2010 12:09 PM
To: 's.malaeb@comcast.net'
Subject: RO2945 - 2145 35th Ave, Oakland

Hi Sami,

Just a followup on our conversation just now; I thought it might be good to clarify and / or record our discussion for when you return home. As discussed we should define the vertical extent of impacted soil, especially below impacted soil, and the plan you proposed in the initial revised work plan was reasonable. My principal concern was collecting grab groundwater at that depth after several trips in and out with the drilling stem, definitely a potential groundwater cross contamination issue. However, if you step out “several” feet and go straight down, you won’t need multiple rod withdrawals, so groundwater should be not impacted (or perhaps minimally) by overlaying contamination. This presumes that soil in the next deeper water-bearing zone is not impacted as determined by the first bore. I didn’t want to make this overly complicated, but did want to make sure these concerns were considered before field work begins. As described in the work plan addendum, the two sets of soil bores could be some distance away (clean area vs. impacted area), and soil lithologies may be different at the two locations. Hope this helps.

Mark Detterman

Hazardous Materials Specialist, PG, CEG

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PDF copies of case files can be downloaded at:

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

