

Jakub, Barbara, Env. Health

From: Jakub, Barbara, Env. Health
Sent: Wednesday, August 19, 2009 4:32 PM
To: 'Jill Quillin'
Subject: RE: RO#0002981 - Red Hanger Kleeners

Yes I would like you to submit soil samples for analysis at boring A-3 and the UST borings since it does not appear that this has been performed. It may be unnecessary to collect the upgradient soil samples unless you are trying to prove an upgradient source or if for some reason the flow direction is totally different than assumed. Also, it is not necessary to continuously core the other borings. We can discuss the second phase and whether soil samples are needed after the results of this phase are evaluated.

As for your example, I would say that collecting a sample at 5, 10, somewhere near 14 (ML and cap fringe), 20 and 25 or 26 would be preferred. We do like to see saturated samples due to possible fluctuations of water table and to assess vertical extent of contaminants. Hope that helps and feel free to give me a call to clarify or discuss this further.

Regards,
Barb Jakub

From: Jill Quillin [mailto:Jill.Quillin@erm.com]
Sent: Wednesday, August 19, 2009 3:15 PM
To: Jakub, Barbara, Env. Health
Subject: RO#0002981 - Red Hanger Kleeners

Barbara -

Thank you so much for fitting in your review of the Red Hanger Cleaners sampling plan. You got it out much sooner than I hoped, given your limited resources and unlimited workload! I received the conditional approval letter today and have one small issue I'm hoping that you can clarify for me.

Specifically, with respect to the additional soil sampling that you want us to add:

1. I'm assuming that you intend this to apply to only the two borings for which soil sampling was proposed (A-1 and A-2) near the source, not the upgradient wells or the UST area well - but could you please confirm?
2. The workplan specifies that we would collect soil samples at a) 10 feet bgs and b) in the interval immediately above the water contact - the conditional approval letter specifies the addition of samples from a) the capillary fringe, b) saturated zone, c) lithologic changes, and d) elevated PID readings.

The boring log for SB-1 indicates that there is a lithologic change from silty clay to clayey silt at around 13 -14 feet bgs, which transitions into coarser grained sediments with depth (logged as sandy gravelly silt at around 24 feet bgs); the boring terminated at 26 ft bgs. Depth to water was about 15 ft bgs.

Assuming these conditions are observed during this next sampling event, would you concur that it would be reasonable to collect samples from the following depths: a) 10 ft bgs [CL unit]; b) ~14 ft bgs [serving as the transitional lithologic sample - ML - and capillary fringe sample]; and c) ~16 ft bgs [serving as the saturated zone sample]? I'm assuming that you would not be interested in soil samples being collected from multiple depths within the saturated interval, since we're collecting multiple depths for the water samples, but could you please confirm this? This assumes nothing particularly noteworthy in terms of elevated PID readings...if we saw these, we would make sure to target those intervals. I recognize that this is an arbitrary example, and our field crew will use logic in determining appropriate sampling intervals (with my input) -but I want to make sure that we're on the same page in terms of level of effort/sampling frequency.

Thanks for your feed-back
Jill

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