From: Granger, Michelle
To: Hauber, Erin M CIV USARMY CENWK (US)
Subject: RE: PDI field status update
Date: Monday, March 26, 2018 10:53:16 AM

Hi, Erin-

Sorry. I was on another call. I like your point and question below. I'll call you shortly.

Also, for the call today all is as you have it below, except for the code-- 649-501-631
Thank you!
Michelle-

_____
From: Hauber, Erin M CIV USARMY CENWK (US) [Erin.M.Hauber@usace.army.mil]
Sent: Monday, March 26, 2018 10:35 AM
To: Granger, Michelle
Cc: Watts, Joshua A CIV USARMY CENWK (US); Garnier, Paul H CIV USARMY CENAN (US); Brink, Bradley J CIV USARMY CENWK (US)
Subject: RE: PDI field status update

Michelle -

I tried your number but was unable leave a message.

It sounds like Ramboll-Environ is informing of us of their intent to stop sampling at either top of competent bedrock or top of the water table, whichever is encountered first. I don't think they considered the water table being above the competent bedrock during WP development or that the bedrock may be as deep as 135 ft, as observed at SB-13.

I don't have issue stopping sampling at the water table given OU3 is a vadose zone remedy, but I would like to know the elevation of competent rock throughout the source area given that it may be a controlling feature in mass transport.

We also should pose the following question, "Given current observations of depth to GW being approximately 5 ft lower than historical observations at POHMW12, would you recommend extending the screen at POHMW12's replacement from 120-135 ft bgs (existing) to 120-140 ft bgs to ensure the well captures the upper 10-ft of groundwater?"

Also - is today's call same as last week's: 2-2:30 CST and number: 1-877-668-4493; #647 617 753

Erin Hauber, P.E.
Civil Engineer
Kansas City District
US Army Corps of Engineers

816.389.2280

-----Original Message-----
From: Granger, Michelle [mailto:Granger.Michelle@epa.gov]
Sent: Monday, March 26, 2018 8:51 AM
To: Watts, Joshua A CIV USARMY CENWK (US) <Joshua.A.Watts@usace.army.mil>; Hauber, Erin M CIV USARMY CENWK (US) <Erin.M.Hauber@usace.army.mil>; Garnier, Paul H CIV USARMY CENAN (US) <Paul.H.Garnier@usace.army.mil>
Subject: [Non-DoD Source] FW: PDI field status update

Good Morning!

I received the message below (with attachment). Please let me know if you have any questions or concerns. We have our weekly project status call later today. I'm working at my AWL today and can be reached at 212-781-5455.

Thank you!

Michelle-

From: David T Heidlauf [dheidlauf@ramboll.com]

Sent: Friday, March 23, 2018 6:04 PM

To: Granger, Michelle

Cc: Hidalgo, Luis (G&I); Duckett, Roy (HSE); Bruce S Kennington

Subject: PDI field status update

Michelle

This email serves to inform you in advance of Monday's weekly conference call that with the first three PDI soil borings that the depth to competent rock has been greater than the Work Plan assumed maximum depth of 120 feet below ground surface (ft bgs). PBI soil boring PDI-SB11 encountered competent rock at a 129 ft bgs, PBI soil boring PDI-SB10 encountered competent rock at a 129 ft bgs, and PDI soil boring PDI-SB13 encountered competent rock at 135 ft bgs. The depth of to the top of the water table based on the soil boring cuttings at PDI-

SB13 is approximately 129 ft bgs.

The depth to the water table as measured at POHMW-12 in the November 2017 through February 2018 timeframe has varied from between 121 ft bgs (elevation of 425 ft abmsl) to 126 ft bgs (elevation 420 ft abmsl). As it was never the intent to collect soil samples below the water table as part of the PDI soil boring investigation, no soil samples were collected for analysis from the observed saturated portion of the PDI-SB13 soil boring below 129 ft bgs. A water level meter will be used to verify the top of the saturated zone for the remainder of the PDI soil boring program.

Attached with this email are a couple of relevant figures and table from the PDI Work Plan relevant to this issue. We will provide you with a status update on PDI soil boring efforts and findings during next Monday's weekly project status conference call. Please contact either Bruce Kennington or myself if you questions prior to next Monday's call.

Best Regards

Dave

Yours sincerely

David Heidlauf

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