

PMSummerColpEM Resource

From: Sebrosky, Joseph
Sent: Tuesday, April 27, 2010 8:14 AM
To: MONROE, AMY; 'jmgiles@scana.com'
Cc: PMSummerColpEM Resource; Stirewalt, Gerry
Subject: Plans for Summer site visit to view excavation and mapping activities

Importance: High

Amy and Julie,

Below are some preliminary thoughts regarding plans for a site visit to view excavation activities. There is still planning to be performed on our part. Perhaps the best thing to do is to arrange a quick call between the geologist so that they can share information directly so that a timeframe for performing the visit can be determined.

Sincerely,

Joe Sebrosky

From: Stirewalt, Gerry
Sent: Monday, April 26, 2010 3:04 PM
To: Sebrosky, Joseph; Plaza-Toledo, Meralis
Cc: Karas, Rebecca; Cook, Christopher; Sheikh, Mina
Subject: RE: question: plans for Summer site visit to view excavation and mapping activities
Importance: High

Hey Joe! Many thanks for your note and the opportunity to provide feedback regarding scheduling of the site visit by Meralis and myself. Indeed we do still need to conduct a site visit (in coordination with Region II) for examining maps and the crystalline rock foundation units at Summer when the time is right!

In regard to determining the "right moment", since it is not commonly possible for us to make multiple visits to the same excavation (unless potentially capable geologic structures are newly discovered), the "right" time will be when each of the two separate excavations is at the bottom in foundation bedrock (i.e. two separate trips). That timing gives us the best opportunity to examine the bedrock surface at foundation level and assess the presence or absence of potentially capable geologic structures in the foundation units. This scheduling assumes the applicant will inform us if they find potentially problematical geologic structures (e.g., faults which may require age dating) in the saprolite which comprises the sidewalls going down to bedrock – although most likely such structures would be traceable into bedrock if they existed in the saprolite and were of tectonic origin.

One cautionary word is necessary. If there is an extended period of time between when the top of fresh foundation bedrock is reached and mapped and when we make our site visit (note that these rocks will not degrade if that is the case since they are hard crystalline units), then it may be necessary for the applicant to clean the foundation surface again to make it visible for examination since the overlying saprolitic materials may wash onto the surface with time and cover it.

To summarize, the best timing would be for us to visit is when we can walk on the top of the foundation units (i.e., the unweathered, saprolite-free, crystalline bedrock surface that will comprise the foundation) and examine the preliminary geologic maps of that surface = your first "bullet" below, at which time we would hope the sidewall maps would also be available for viewing even if in draft form = your second "bullet". The site visit will require that the Fugro-Lettis geologists who performed the mapping be available for discussion and examination of the foundation "outcrop" produced by the excavation.

Please don't hesitate to let me know if you need additional explanation in regard to best timing for a visit to the Summer site excavations. Becky and Chris may also have additional thoughts as well. I am really looking forward to doing this!

Many Thanks Again,
-g-

From: Sebrosky, Joseph
Sent: Monday, April 26, 2010 2:23 PM
To: Stirewalt, Gerry; Plaza-Toledo, Meralis
Cc: Karas, Rebecca; Cook, Christopher; Sheikh, Mina
Subject: question: plans for Summer site visit to view excavation and mapping activities

Gerry and Meralis,

If you recall at one point we were trying to understand excavation activities at the Summer site for the purpose of determining opportunities for a site visit by you to view the excavation and the mapping activities. I'm assuming that you still would like to do this. The projects folks at SCE&G have talked to their geologist in an effort to determine the best time for your viewing activities. In order to make this determination SCE&G geologist have asked the following questions:

- **If you are more interested in the bedrock at the bottom of the excavation they can provide you a timeframe for when they will reach this elevation**
- If you are more interested in the side-wall mapping that they are performing before they install blocking for the retaining walls, then this is something that you can view now as they are digging the hole.
- Unit 2 excavation is proceeding ahead of Unit 3. They plan to start Unit 3 excavation before they finish the Unit 2 excavation activities.

I also understand that any site visit for Summer will have to be balanced with your other workload. Any insights you might have on when would be the best time for you to perform a site visit would be appreciated.

Joe Sebrosky
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