PMFermiCOLPEm Resource

From: Hale, Jerry
Sent: Tuesday, October 06, 2009 11:56 AM
To: LaShawn G Green; 'Norman K Peterson'; Peter W Smith
Cc: Tonacci, Mark; Berrios, Ilka; Cruz, Jeffrey
Subject: FW:

LaShawn,

Detailed list from GeoTech below. List of audit personnel to follow.

JRH

From: Bauer, Laurel
Sent: Tuesday, October 06, 2009 11:51 AM
To: Hale, Jerry
Cc: Rodriguez, Ricardo; Xi, Zuhan; Li, Yong; Plaza-Toledo, Meralis; Bagchi, Goutam
Subject:

Jerry,
The following is a more detailed list of what we asked to see and discuss on this morning's call with DTE.
Thanks,
Laurel

Core Samples (Tuesday afternoon, November 3 and Wednesday, November 4):

- The NRC staff is interested in looking at core samples that include the following units:
    - Bass Islands Group
    - Salinas Group Unit F
    - Salinas Group Unit E
    - Oolitic Dolomite

The staff would like to see both typical examples of these units as well as less competent materials associated with these units. Some particular cores include:

1. RB-C8 (full core including deepest portion of the boring)
2. TB-C5
3. RB-C4
4. CB-C2

Field Visits (Wednesday, November 4):

- Examine Quaternary deposits in the site vicinity/area . Possibly visit local quarries or trenches.
- Examine outcrop of the Bass Islands Group and any other bedrock materials units near site
- Examine linear features associated with the identified trend of the potential Sumpter pool fault, including any terrace shoreline features that cross the fault trend. Review the shaded relief topographic model made from the DEM and the various imagery to discuss the lineaments described in FSAR Section 2.5.3.2.3.
- Examine any area where Quaternary glacial deposits and shorelines might be exposed within reasonable distance from the site (i.e., site vicinity)

Geology/Seismology/ Geotechnical Discussions (Thursday-Friday, November 5-6):

- Review details of field investigations with focus on lineament investigation.
- Discuss specific details on shear wave velocity determinations, settlement calculation, slope stability analysis, lean concrete backfill, and the process of excavation to reach the Bass Islands foundation layer.
- Staff review of sample calculations of complete, settlement and earth pressure against embedded walls (static and dynamic). Review of engineering properties that will be needed to run confirmatory settlement and dyanmic and static earth pressure analysis.
- Staff review of shear wave velocity data from Downhole and SASW investigations.

Laurel M. Bauer

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Subject: FW:
Sent Date: 10/6/2009 11:55:59 AM
Received Date: 10/6/2009 11:56:00 AM
From: Hale, Jerry

Created By: Jerry.Hale@nrc.gov

Recipients:
"Tonacci, Mark" <Mark.Tonacci@nrc.gov>
Tracking Status: None
"Berrios, Ilka" <Ilka.Berrios@nrc.gov>
Tracking Status: None
"Cruz, Jeffrey" <Jeffrey.Cruz@nrc.gov>
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"LaShawn G Green" <greenl@dteenergy.com>
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"'Norman K Peterson'" <petersonn@dteenergy.com>
Tracking Status: None
"Peter W Smith" <smithpw@dteenergy.com>
Tracking Status: None

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