

PMFermiCOLPEm Resource

From: Govan, Tekia
Sent: Friday, February 22, 2013 2:52 PM
To: Muniz, Adrian; Jenkins, Ronaldo; 'Michael K Brandon'; 'Ryan C Pratt'; Chakravorty, Manas; Xu, Jim; Manuel Miranda
Cc: FermiCOL Resource
Subject: Fermi 3 - Open Items Public Meeting Summary - Memo To File

Docket No.: 52-033

MEMORANDUM TO: Ronaldo V. Jenkins, Branch Chief
Licensing Branch 3
Division of New Reactor Licensing
Office of New Reactors

FROM: Tekia V. Govan, Project Manager
Licensing Branch 3
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SUMMARY OF WEEKLY CONFERENCE CALL MEETING TO DISCUSS OPEN ITEMS AND OUTSTANDING REQUESTS FOR ADDITIONAL INFORMATION RESPONSES RELATING TO DTE ELECTRIC COMPANY'S FERMI 3 COMBINED LICENSE APPLICATION

On Thursday, February 21, 2013, the U.S. Nuclear Regulatory Commission's (NRC) staff held a public conference call from 1:00 pm to 2:00 pm with members of DTE Electric Company. The purpose of the conference call was to discuss the status of the remaining open items (OI) related to the Fermi 3 Combined License Application. A list of the agenda items, actions items discussed during the call and a list of attendees are below.

Agenda Items

1. Staff comments related to DTE Electric Company's V&V plan submitted to the NRC on 1/29 (Letter number NRC3-13-0005) – **The staff provided the following comments concerning the submitted V&V Plan:**
 - Input motions with non-negligible energy content up to 50 Hz, especially in the vertical direction may require SSI models with passing frequencies of 50 Hz. V&V should address frequency range of interests at the Fermi site.
 - V&V should address the range of Poisson's Ratio of interest at the Fermi 3 site.
 - Sharp contrast in stiffness between adjacent backfill layer and rock layer was noted. The ratio of shear wave velocities is in the order of 1 to 9. V&V should address this sharp contrast.
 - Depth to half-space interface is noted to be approximately 430 ft. V&V should address whether the solution is sensitive to the location of the half-space interface applicable to Fermi site
 - V&V should address effect of the aspect ratio and minimum dimension of the solid brick elements that will be used to model the excavated soil/rock volume on SSI models

- It appears that geometric distortion of non-rectangular brick elements is not an issue given the rectangular geometry of the footprints of the various structures that will be analyzed for the Fermi 3 project. However, if this is not the case, then the geometry of the most distorted brick element in the mesh should also be validated.

The report indicates that the scope of the V&V plan includes the SASSI2010 Subtraction Method (SM). It is not clear what this validation entails and how it relates to the Fermi 3 project. It is our understanding that the Modified SM (not the SM) is being benchmarked relative to the DM in a separate analysis effort using a reduced model of the Fermi RB/FB, which is thus only applicable to this specific structure and site conditions.

These items will be included as points of interest for the upcoming audit tentatively scheduled for the week of March 18, 2013.

Meeting Action Items: N/A

The list of participants for the meeting:

Tekia Govan	NRC/NRO/DNRL – Project Manager
Adrian Muniz	NRC/NRO/DNRL – Lead Project Manager
Manas Chakravorty	NRC/NRO/DE – Technical Reviewer
Jim Xu	NRC/NRO/DE – Acting Technical Branch Chief
Manuel Miranda	NRC Contractor - BNL
Carl Constantino	NRC Contractor - BNL
Michael Keegan	Member of the Public – Don't Waste Michigan
Barbara Bacci-Yugovich	Member of the Public
Michael Brandon, DTE	Fermi 3 Licensing Manager
Ryan Pratt, DTE	Licensing – Engineering
Patricia Campbell	GEH
Brandon Gomer	B&V
Clay Ruth	S&L
Bob Hooks	S&L
Javad Moslemian	S&L
Ikbal Lebbi	S&L
Ed Meyer	B&V

Next meeting is tentatively scheduled for Thursday, March 7, 2013.

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