## PMFermiCOLPEm Resource

**From:** Govan, Tekia
**Sent:** Thursday, February 20, 2014 9:17 AM
**To:** Sisco, Carlos L.
**Cc:** FermiCOL Resource
**Subject:** RE: Request for Number & Passcode for Tomorrow's Fermi Meeting
**Attachments:** Post Combined License Activities CH 20 (mitigation strategies) .pdf

Added documentation for agenda item number 1 is attached for the subject meeting.

Tekia

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**From:** Govan, Tekia
**Sent:** Tuesday, February 18, 2014 10:50 AM
**To:** 'Sisco, Carlos L.'
**Cc:** FermiCOL Resource
**Subject:** RE: Request for Number & Passcode for Tomorrow's Fermi Meeting

This meeting has been re-scheduled for the NRC to discuss with DTE Electric Company the open items that remain in the review of their Fermi 3 COL application.

Date: February 20, 2014
Time: 1-2pm

NRC staff are asked to convene in the designated NRC room.

Applicant, Contractors, and the Public are requested to use the following call-in:
Teleconference number: 888-922-9018 Participant passcode: 23323

Agenda Items*: 1. Revision to LC for Fukushima Recommendation 4.2 (will be provided prior to meeting)

2. Clarification on COL Item 3.9.9-2-A:

**A.** **ESBWR DCD**, Section 3.9.3.1, includes a COL item (3.9.9-2-A) that states [emphasis added]:
The COL Applicant will provide a milestone for completing the required **equipment stress reports**, per ASME B&PV Code, Subsection NB, for equipment segments that are subject to loadings that could result in thermal or dynamic fatigue and for updating the Final Safety Analysis Report (FSAR), as necessary, to address the results of the analysis (COL 3.9.9-2-A).
*DCD Revision 10, p. 3.9-22 (http://pbadupws.nrc.gov/docs/ML1401/ML14010A363.pdf)*

**B.** **Fermi** addressed the COL item with the following sentence [emphasis added]:
The **piping stress reports** identified in this DCD section will be completed within six months of completion of DCD ITAAC Table 3.1-1. … The FSAR will be revised as necessary in a subsequent update to address the results of this analysis.
*Fermi FSAR Revision 5, p. 3-188 (http://pbadupws.nrc.gov/docs/ML1306/ML13063A373.pdf)*

3. Clarification on Tier 2* information:
In the event any non-Class 1 component is subjected to cyclic loadings of a magnitude and/or duration so severe that the 60-year design life cannot be assured by required ASME B&PV Code calculations, **applicants referencing the ESBWR design shall identify** these components and either **provide an appropriate analysis** to demonstrate the required design life, or **provide**

**designs** to mitigate the magnitude or duration of the cyclic loads.
*DCD Revision 10, p. 3.9-22 (http://pbadupws.nrc.gov/docs/ML1401/ML14010A363.pdf)*

4. Next scheduled OI teleconference

*These agenda items will be updated as needed prior to the teleconference.

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**From:** Sisco, Carlos L. [mailto:CSisco@winston.com]
**Sent:** Wednesday, February 12, 2014 5:23 PM
**To:** Govan, Tekia
**Subject:** Request for Number & Passcode for Tomorrow's Fermi Meeting

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**Hearing Identifier:** Fermi_COL_Public
**Email Number:** 1348

**Mail Envelope Properties** (F5A4366DF596BF458646C9D433EA37D7016790166C20)

**Subject:** RE: Request for Number & Passcode for Tomorrow's Fermi Meeting
**Sent Date:** 2/20/2014 9:16:53 AM
**Received Date:** 2/20/2014 9:16:54 AM
**From:** Govan, Tekia

**Created By:** Tekia.Govan@nrc.gov

**Recipients:**
"FermiCOL Resource" <FermiCOL.Resource@nrc.gov>
Tracking Status: None
"Sisco, Carlos L." <CSisco@winston.com>
Tracking Status: None

**Post Office:** HQCLSTR01.nrc.gov

| **Files** | **Size** | **Date & Time** | |
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| MESSAGE | 3542 | 2/20/2014 9:16:54 AM | |
| Post Combined License Activities CH 20 (mitigation strategies) .pdf | | | 60862 |
| image001.jpg | 7089 | | |
| image002.jpg | 3027 | | |

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Post Combined License Activities

The ESBWR design incorporated by reference into the Fermi COL includes passive design features that provide core cooling, containment and spent fuel pool cooling for 72 hours without reliance on alternating current (ac) power. These features do not rely on access to any external water sources. The ESBWR design also includes onsite equipment to replenish water sources and charge batteries. Connections are provided for using generators and pumping equipment that can be brought from offsite.

For the reasons discussed in 20.2.4, Technical Evaluation, the staff proposes to include the following license condition related to the mitigating strategies program.

License Condition (20.2-1): Mitigation Strategies for Beyond-Design-Basis External Events
At least 180 days before the date scheduled for initial fuel load as set forth in the notification submitted in accordance with 10 CFR § 52.103(a), DTE Electric Company shall use the guidance contained in JLD-ISG-2012-01, "Compliance with Order EA-12-049, Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," Revision 0 and the information presented in Fermi FSAR section 01.05 to complete the development of guidance and strategies for maintaining and, if necessary, restoring core cooling, containment, and spent fuel pool cooling capabilities beginning 72 hours after loss of all normal and emergency ac power sources, including any alternate ac source under 10 CFR 50.63. These strategies must be capable of:

- Mitigating a simultaneous loss of all ac power sources, both from the onsite and offsite power systems, and loss of normal access to the normal heat sink,
- Maintaining core cooling, containment, and spent fuel pool cooling capabilities for Fermi Unit 3 during and after such an event affecting both Fermi Units 2 and 3, and
- Being implemented in all plant modes.

Before initial fuel load, DTE Electric Company shall fully implement the guidance and strategies required in this license condition, including procedures, , training, and acquisition, staging or installing of equipment and consumables relied upon in the strategies.

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