

PMFermiCOLPEm Resource

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Sent: Wednesday, August 19, 2009 11:21 AM
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Cc: FermiCOL Resource; Hale, Jerry
Subject: FW: RAI 3390 - The RAI Document is Ready for Review
Attachments: RAI 3390.doc

LaShawn,

Please find attached a draft RAI regarding Ch 14 ITAAC. Please let me know if this needs to be discussed prior to our sending it to you formally.

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Request for Additional Information No. 3390 Revision 0

Fermi Unit 3
Detroit Edison
Docket No. 52-033

SRP Section: 14.03.05 - Instrumentation and Controls - Inspections, Tests, Analyses, and Acceptance
Criteria

Application Section: 14.3A.1

QUESTIONS for Instrumentation, Controls and Electrical Engineering 2 (ESBWR/ABWR Projects)
(ICE2)

14.03.05-***

ESBWR DCD Revision 5, Section 14.3A.5 COL Information item 14.3A-1-1, request the applicant establish a schedule for Design Acceptance Criteria (DAC) ITAAC Closure. DTE responded that this COL Item is addressed in Appendix 14.3A.1. In Section Appendix 14.3A.1 DTE committed that, "Fermi 3 is scheduled to be licensed subsequent to the reference ESBWR Plant, will use the standard approach, and the DAC ITAAC completion for the first standard plant will be used [COM 14.3A.1-001]. The first standard plant, North Anna Unit 3, R-COLA, Section 14.3A.1, stated a DAC ITAAC closure schedule would be provided within one year after ESBWR design certification. The staff review found that, for the first standard plant, for selected design acceptance criteria (DAC), a closure schedule provided within 1 year would not support the NRC's need to project staff resource and budget requirements to verify DAC/ITAAC closure.

In an ESBWR DCWG public meeting on September 4, 2008, the staff expressed DAC ITAAC closure schedule concerns to industry and stated that there were unique needs associated with closing out DAC for (1) piping design, (2) human factors engineering, and (3) digital instrumentation and controls. At subsequent ESBWR DCWG public meetings, the staff and industry discussed the resolution of this DAC closure schedule issue. At the public meeting on April 1, 2009, the industry proposed resolutions for the piping design and human factors engineering that the staff determined to be acceptable. For piping DAC, the NRC staff will be notified at least 6 months before (1) scheduled completion of all ASME Code design reports for risk-significant piping packages, and (2) scheduled completion of all the pipe-break hazard analyses. For human factors engineering DAC, the NRC will be notified at least 6 months before the scheduled completion of each results summary report. At the public meeting on May 14, 2009, the industry proposed a resolution for digital instrumentation and controls that the staff determined to be acceptable. For instrumentation and controls DAC, the NRC staff will be notified at least 6 months before the scheduled completion of each baseline review report and software plan designated as DAC. The R-COL applicant agreed to incorporate the acceptable resolutions for the DAC closure schedule to address COL 14.3A-1-1 in the next revision to the NAPS-3 COLA.

The NRC Staff request the commitment COM 14.3A.1-001 be revised to either incorporate the acceptable resolutions for the DAC closure schedule outline above OR provide an alternate resolution.

