

July 20, 2012

MEMORANDUM TO: Edwin M. Hackett, Executive Director  
Advisory Committee on Reactor Safeguards

FROM: David B. Matthews, Director */RA Frank Akstulewicz for/*  
Division of New Reactor Licensing  
Office of New Reactors

SUBJECT: FERMI 3, COMBINED LICENSE APPLICATION – ADVANCED FINAL  
SAFETY EVALUATION FOR CHAPTER 2, “SITE  
CHARACTERISTICS”

By letter dated September 18, 2008, Detroit Edison Company (Detroit Edison) submitted an application to the U.S. Nuclear Regulatory Commission (NRC) for a combined license (COL) for Fermi 3.

The staff has completed the detailed review of the Advanced Final Safety Evaluation (AFSE) Chapter 2, “Site Characteristics”, Agencywide Documents Access and Management System (ADAMS) Accession No. ML121020116, except Section 2.5, “Geology, Seismology, and Geotechnical Engineering.” The staff has not been able to perform a meaningful evaluation of Section 2.5 because the applicant has not developed and provided sufficient details. This section will be presented to the Advisory Committee on Reactor Safeguards (ACRS) Subcommittee at a later date. The AFSE is being provided to support the upcoming meeting of the ESBWR ACRS, scheduled to be held August 16, 2012. The ACRS Full Committee meeting will be held at a future date. The AFSE is based on Revision 4 (February, 2012) of the COL application which incorporates by reference Revision 9 of the ESBWR Design Certification Document (DCD).

In accordance with the memorandum to the ACRS dated March 17, 2010 (ADAMS Accession No. ML100700612), the staff has reviewed the submitted information against the categories for which the ACRS requested be used to highlight information for review by the committee. The staff’s assessment of this chapter is that there are no items that meet the categories for discussion with the committee.

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E. Hackett

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The staff concludes that the AFSE does not contain any information exempt from public disclosure. However, the NRC will withhold the AFSE from public disclosure for ten business days to allow Detroit Edison the opportunity to verify the staff's conclusion that the AFSE contains no such exempt information. Therefore, the staff requests that the ACRS withhold the AFSE from public disclosure until the information has been released publicly in Agencywide Documents Access and Management System.

The staff will inform the ACRS immediately if Detroit Edison requests that any of the information in the AFSE be withheld from public disclosure.

Docket No.: 52-033

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**ADAMS Accession No.:** ML12170A540

NRO-002

<b>OFFICE</b>	DNRL:LB3/PM	DNRL:LB3/LPM	DNRL:LB3/LA	DNRL:LB3/BC	DNRL:D
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<b>DATE</b>	06/27/2012	07/12/2012	06/28/2012	07/18/2012	07/20/2012

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