

September 21, 2011

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 19, “PROBABILISTIC RISK  
ASSESSMENT AND SEVERE ACCIDENTS” AND “LOSS OF LARGE  
AREAS OF THE PLANT DUE TO EXPLOSIONS OR FIRES”

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.

Based on our review of the application, the staff is providing the Advisory Committee on Reactor Safeguards (ACRS) its advanced Final Safety Evaluation (AFSE) for Chapter 19, “Probabilistic Risk Assessment and Severe Accidents,” Attachment 19.A, “Loss of Large Areas of the Plant due to Explosions or Fires,” (ML112580548) (public) and Attachment 19.B “Loss of Large Areas of the Plant due to Explosions or Fires” (ML112580557) (non-public). Unless otherwise stated in the AFSE, the staff’s review was based on Revision 3 of the application. The AFSE is being provided to support a meeting of the subcommittee of the ACRS scheduled for October 21, 2011. The ACRS full committee meeting will be held after the subcommittee meeting.

In accordance with the memorandum to the ACRS dated March 17, 2010 (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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The staff concludes that Chapter 19 and Attachment 19.A do not contain any information exempt from public disclosure. The NRC will withhold the AFSE from public disclosure for 10 business days to allow Detroit Edison the opportunity to verify the staff's conclusion that the AFSE contains no such exempt information. However, Attachment 19.B does contain security-related information and will be withheld from public disclosure.

Therefore, the staff requests that the ACRS withhold Chapter 19 and Attachment 19.A from public disclosure until the information has been released publicly in Agencywide Documents Access and Management System. The staff also requests that the ACRS withhold Attachment 19.B from public disclosure.

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

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The staff concludes that Chapter 19 and Attachment 19.A do not contain any information exempt from public disclosure. The NRC will withhold the AFSE from public disclosure for 10 business days to allow Detroit Edison the opportunity to verify the staff's conclusion that the AFSE contains no such exempt information. However, Attachment 19.B does contain security-related information and will be withheld from public disclosure.

Therefore, the staff requests that the ACRS withhold Chapter 19 and Attachment 19.A from public disclosure until the information has been released publicly in Agencywide Documents Access and Management System. The staff also requests that the ACRS withhold Attachment 19.B from public disclosure.

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

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