

The Detroit Edison Company
One Energy Plaza, Detroit, MI 48226-1279



10 CFR 52.79

May 10, 2010
NRC3-10-0020

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

References:

- 1) Fermi 3
Docket No. 52-033
- 2) Letter from Jerry Hale (USNRC) to Jack M. Davis (Detroit Edison), "Request for Additional Information Letter No. 27 Related to the SRP Section 13.06.01 for the Fermi 3 Combined License Application," Dated March 24, 2010

Subject: Detroit Edison Company Response to NRC Requests for Additional
Information Related to Letter No. 27, SRP Section 13.06.01

In Reference 2, the NRC requested additional information to support the review of certain portions of the Fermi 3 Combined License Application (COLA). The responses to the Requests for Additional Information (RAIs) associated with Reference 2, SRP Section 13.06.01 are provided as Attachments 1 through 3 of this letter. Information contained in this response will be incorporated into a future COLA submission as described in the attachments.

If you have any questions, or need additional information, please contact me at (313) 235-3341.

I state under penalty of perjury that the foregoing is true and correct. Executed on the 10th day of May 2010.

Sincerely,



Peter W. Smith, Director
Nuclear Development – Licensing & Engineering
Detroit Edison Company

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NRW

Attachments: 1) Response to RAI Letter No. 27, RAI Question No. 13.06.01-3
2) Response to RAI Letter No. 27, RAI Question No. 13.06.01-4
3) Response to RAI Letter No. 27, RAI Question No. 13.06.01-5

cc: Jerry Hale, NRC Fermi 3 Project Manager
Bruce Olson, NRC Fermi 3 Environmental Project Manager (w/o attachments)
Fermi 2 Resident Inspector (w/o attachments)
NRC Region III Regional Administrator (w/o attachments)
NRC Region II Regional Administrator (w/o attachments)
Supervisor, Electric Operators, Michigan Public Service Commission (w/o attachments)
Michigan Department of Environmental Quality, Radiological Protection and Medical
Waste Section (w/o attachments)

**Attachment 1
NRC3-10-0020**

**Response to RAI Letter No. 27
(eRAI Tracking No. 4470)**

RAI Question No. 13.06.01-3

NRC RAI 13.06.01-3

Physical Security Plan, Page 1, section 1.1, paragraph 1. Clarify that Fermi Unit 3 will be encompassed by the same protected area as Fermi Units 1 and 2.

Regulatory Basis: 10 CFR 73.55(a)(2) The security plans must identify, describe, and account for site-specific conditions that affect the licensee's capability to satisfy the requirements of this section.

Response

Fermi 3 will be encompassed by a common Protected Area with Fermi 2.

Fermi 1 is currently in the process of decommissioning with expected license termination in 2012. Fermi 1 is not located within the present Fermi 2 Protected Area. Therefore, Fermi 1 will not be located in the common Protected Area for Fermi 2 and 3.

Proposed COLA Revision

None

Attachment 2
NRC3-10-0020

Response to RAI Letter No. 27
(eRAI Tracking No. 4470)

RAI Question No. 13.06.01-4

NRC RAI 13.06.01-4

Section 1.1, Facility Physical Layout, Page 2: Figures 1-1, 1-1a, 1-2, 1-3, 1-3a, 1-3b, 1-3c, 1-3d, 1-3e, and E-1 are not of sufficient size/magnification or detail to clearly identify or discern the appropriate information such as OCA boundary, PA perimeter boundary, Vehicle Barrier System (to include natural terrain features), Vital Areas, major structures in these different security areas or the Independent Spent Fuel Storage Installation. The drawings should also clearly indicate the primary marshalling area for responding LLEA as indicated in the 2nd paragraph on page 2.

Regulatory Basis: 10 CFR Part 73, Appendix C, Section II, paragraph B.3.b. Plans must include a site map depicting the physical structures located on site, including onsite independent spent fuel storage installations, and a description of the structures depicted on the map. Plans must also include a description and map of the site in relation to nearby towns, transportation routes (e.g., rail, water, and roads), pipelines, airports, hazardous material facilities, and pertinent environmental features that may have an effect upon coordination of response activities. 10 CFR 52.17(a)(1)(x) Information demonstrating that site characteristics are such that adequate security plans and measures can be developed. Title 10 CFR 52.6, Completeness and accuracy of information, requires information provided "shall be complete and accurate in all material respects." Subpart B of Title 10 CFR (10 CFR) 52, § 52.79(a)(35)(i) and (ii) requires that information submitted for combined license (COL) include how the applicant will meet the requirements of 10 CFR 73 and descriptions of implementation of the physical security plan.

Response

The figures included in the Fermi Physical Security Plan (PSP) have been enhanced and/or revised such that the required and requested information is more clearly depicted on the figures (with the exception of Vital Areas). Extraneous information has been removed from the figures, where appropriate, and the major site features pertinent to the PSP site description are better labeled. Figures 1-1, 1-1a, 1-2, and 1-3 are provided with this response. Figures 1-3a, 1-3b, 1-3c, 1-3d, and 1-3e are not included as the information presented in these figures is now clearly represented within Figure 1-3. Figure E-1 is not included as this drawing will be removed from the next revision of the PSP.

The attached figures, when included with the PSP, are considered safeguards information, however when separated from the PSP these figures do not contain safeguards information and are decontrolled. The figures are labeled accordingly.

Proposed COLA Revision

The revised figures are attached and will be included in the next revision of the Fermi PSP. The attached figures, when included with the PSP, are considered safeguards information, however when separated from the PSP these figures do not contain safeguards information and are decontrolled. The figures are labeled accordingly.

Markup of Detroit Edison COLA
(following 4 pages)

The following markup represents how Detroit Edison intends to reflect this RAI response in the next submittal of the Fermi 3 COLA. However, the same COLA content may be impacted by revisions to the ESBWR DCD, responses to other COLA RAIs, other COLA changes, plant design changes, editorial or typographical corrections, etc. As a result, the final COLA content that appears in a future submittal may be different than presented here.

SAFEGUARDS INFORMATION



- Fermi Site Normal Access
 - Fermi 2 & 3
 - NOC Complex
 - Pointe Aux Peaux Road Gate
 - Fermi Owner Controlled Area
 - State Park or Forest
 - Local Park or Recreational Area
 - Water body
 - Limited Access Road
 - Highway
 - Major Road
 - Minor Road
 - Railroad
 - County
 - Coastal Zone
- 1) Primary Access Point; Intersection of Fermi Drive and Toll Road
2) Alternate Access Point; Intersection of Quarry Lakes and Pointe Aux Peaux Road
3) Shaded area - Fermi Owner Controlled Area

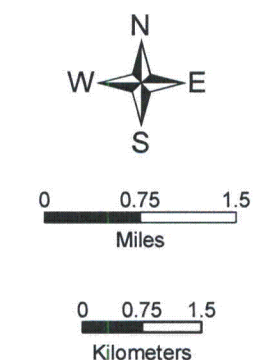
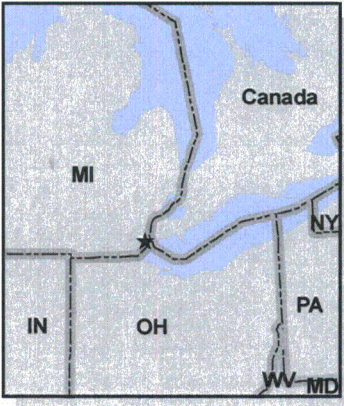


Figure 1-1
Public Access Roads

SAFEGUARDS INFORMATION



- Fermi Site Normal Access
- Fermi 2 & 3
- NOC Complex
- Pointe Aux Peaux Road Gate
- Fermi Owner Controlled Area
- State Park or Forest
- Local Park or Recreational Area
- Water body
- Limited Access Road
- Highway
- Major Road
- Minor Road
- Railroad
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- 1) Primary Access Point; Intersection of Fermi Drive and Toll Road
- 2) Alternate Access Point; Intersection of Quarry Lakes and Pointe Aux Peaux Road
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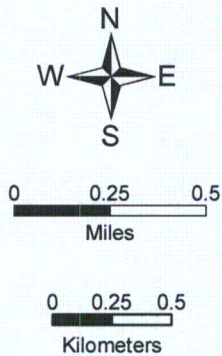


Figure 1-1a
Public Access Roads

**THIS PAGE IS AN
OVERSIZED DRAWING OR
FIGURE,
THAT CAN BE VIEWED
AT THE RECORD TITLED:**

**“FIGURE 1-2,
OWNER CONTROLLED AREA.”**

**WITHIN THIS PACKAGE...OR
BY SEARCHING USING THE
DOCUMENT/REPORT NO.**

D-01

**THIS PAGE IS AN
OVERSIZED DRAWING OR
FIGURE,
THAT CAN BE VIEWED AT THE
RECORD TITLED:**

**“FIGURE 1-3,
PROTECTED AREA”**

**WITHIN THIS PACKAGE...OR
BY SEARCHING USING THE
DOCUMENT/REPORT NO.**

D-02X

**Attachment 3
NRC3-10-0020**

**Response to RAI Letter No. 27
(eRAI Tracking No. 4471)**

RAI Question No. 13.06.01-5

NRC RAI 13.06.01-5

Fermi Unit 3 should fully characterize the details of the proposed Remotely Operated Weapons System (ROWS) platform in their security plan. Specifically, those sections of the security plan that refer to safety and security interface, design and installation, training, operations, testing and maintenance, and special situations (compensatory measures) should be described in detail. In addition, the plan should clearly state how the ROWS platform will be utilized (purpose) in the overall security strategy, defense in depth and contingency response.

10 CFR 73.55(c) Security plans. (1) Licensee security plans must describe: (i) how the licensee will implement requirements of this section through the establishment and maintenance of a security organization, the use of security equipment and technology, the training and qualification of security personnel, the implementation of predetermined response plans and strategies, and the protection of digital computer and communication systems and networks; (ii) Site-specific conditions that affect how the licensee implements Commission requirements.

Response

Detroit Edison has reconsidered the use of the Remotely Operated Weapons System (ROWS) in the proposed design of the Fermi site security system and will not use it in the design. Appropriate changes to the Fermi Physical Security Plan will be incorporated into the next revision of the document. These changes will include removal of references to the ROWS throughout the PSP, Training and Qualification Plan and Safeguards Contingency Plan as well as changes resulting from the removal of the ROWS (e.g., additional site features, security force requirements).

Proposed COLA Revision

Appropriate changes to the Fermi Physical Security Plan will be incorporated into the next revision of the document. These changes will include removal of references to the ROWS throughout the PSP, Training and Qualification Plan and Safeguards Contingency Plan as well as changes resulting from the removal of the ROWS (e.g., additional site features, security force requirements).