

April 28, 2004

Mr. William O'Connor, Jr.
Vice President
Nuclear Generation
Detroit Edison Company
6400 North Dixie Highway
Newport, MI 48166

SUBJECT: ENRICO FERMI PLANT, UNIT 2
NRC EMERGENCY PREPAREDNESS INSPECTION
REPORT 05000341/2004003(DRS)

Dear Mr. O'Connor:

On March 26, 2004, the NRC completed an inspection at your Enrico Fermi Plant, Unit 2. The enclosed report documents the inspection findings, which were discussed on March 26, 2004, with you and members of your staff.

The inspection examined activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel. Specifically, this inspection focused on emergency preparedness, including your staff's determinations of performance indicators for the Emergency Preparedness Cornerstone.

On the basis of the results of this inspection, no findings of significance were identified.

In accordance with 10 CFR Part 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

Kenneth Riemer, Chief
Plant Support Branch
Division of Reactor Safety

Docket No. 50-341
License No. NPF-43

Enclosure: Inspection Report 05000341/2004003(DRS);

See Attached Distribution

cc w/encl: N. Peterson, Manager, Nuclear Licensing
D. Pettinari, Corporate Legal Department
Compliance Supervisor
R. Whale, Michigan Public Service Commission
L. Brandon, Michigan Department of Environmental Quality
Monroe County, Emergency Management Division
Planning Manager, Emergency Management Division
MI Department of State Police
W. King, FEMA, Region V

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket No: 50-341
License No: NPF-43

Report No: 05000341/2004003(DRS)

Licensee: Detroit Edison Company

Facility: Enrico Fermi Nuclear Plant, Unit 2

Location: 6400 N. Dixie Hwy
Newport, MI 48166

Dates: March 22 through March 26, 2004

Inspectors: T. Ploski, Senior Emergency Preparedness Inspector
R. Jickling, Emergency Preparedness Inspector
R. Powell, Senior Resident Inspector

Observer: J. Larsen, Safeguards Inspector

Approved by: Kenneth Riemer, Chief
Plant Support Branch
Division of Reactor Safety

Enclosure

SUMMARY OF FINDINGS

IR 05000341/2004003(DRS); 03/22/04 - 03/26/04; Fermi Nuclear Plant, Unit 2; Emergency Preparedness Specialist Report.

The report covers a one-week baseline inspection by two regional emergency preparedness inspectors and a resident inspector. The inspection focused on the Emergency Preparedness Cornerstone in the Reactor Safety strategic performance area during the biennial emergency preparedness exercise. This inspection also included a review of records related to the three emergency preparedness performance indicators for the period July 1, 2003, through December 31, 2003. No findings of significance were identified.

The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process," Revision 3, dated July 2000.

A. Inspector-Identified and Self-Revealed Findings

None.

B. Licensee-Identified Violations

None.

REPORT DETAILS

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness

1EP1 Exercise Evaluation (71114.01)

a. Inspection Scope

The inspectors reviewed the March 23, 2004 biennial emergency preparedness exercise's objectives and scenario to ensure that the exercise would acceptably test major elements of the licensee's emergency plan and to verify that the exercise's simulated problems provided an acceptable framework to support demonstration of the licensee's capability to implement its emergency plan. The inspectors also reviewed summaries of five emergency preparedness drills, which were conducted in 2003 and 2004, to determine whether those scenarios were sufficiently different from the scenario used in the March 23, 2004 exercise.

The inspectors evaluated the licensee's exercise performance, focusing on the risk-significant activities of emergency classification, notification, and protective action decision making, as well as implementation of accident mitigation strategies in the following emergency response facilities:

- Control Room Simulator (CRS);
- Technical Support Center (TSC);
- Operations Support Center (OSC); and
- Emergency Operations Facility (EOF).

The inspectors also assessed the licensee's recognition of abnormal plant conditions, transfer of responsibilities between facilities, internal communications, interfaces with offsite officials, readiness of emergency facilities and related equipment, and overall implementation of the licensee's emergency plan.

The inspectors attended post-exercise critiques in the TSC, OSC, and EOF to evaluate the licensee's initial self-assessment of its exercise performance. The inspectors later met with the licensee's lead exercise evaluators to obtain the licensee's refined assessments of its exercise participants' performances. These self-assessments were then compared with the inspectors' independent observations and assessments to assess the licensee's ability to adequately critique station performance during the exercise.

b. Findings

No findings of significance were identified.

4. **OTHER ACTIVITIES**

4OA1 Performance Indicator (PI) Verification (71151)

a. Inspection Scope

The inspectors reviewed the licensee's records associated with each of the three emergency preparedness PIs to verify that the licensee's program was implemented consistent with the industry guidelines in Nuclear Energy Institute publication No. 99-02, "Regulatory Assessment Performance Indicator Guideline," Revision 2, and related licensee procedures. Specifically, licensee records related to the performance of the Alert and Notification System (ANS), key Emergency Response Organization (ERO) members' drill participation, and Drill and Exercise Performance (DEP) were reviewed to verify the accuracy and completeness of the PI data submitted to NRC for the period from July 2003 through December 2003. The following PIs were reviewed:

- ANS;
- ERO Drill Participation; and
- Drill and Exercise Performance.

b. Findings

No findings of significance were identified.

4OA6 Meetings

.1 Exit Meeting

An exit meeting was conducted for:

- Emergency Preparedness with Mr. W. O'Connor and other members of licensee management and staff at the conclusion of the inspection on March 26, 2004. The licensee acknowledged the information presented. No proprietary information was identified.

.2 Public and Media Briefing

- On March 26, 2004, an inspector summarized the NRC's preliminary conclusions on the licensee's exercise and critique performances at a public and media briefing hosted by Federal Emergency Management Agency staff in Monroe, Michigan.

ATTACHMENT: SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee

J. Austerberg, Media Relations Specialist
G. Garber, Emergency Planning Specialist
D. Hemmele, Shift Manager
G. Henscheid, Licensing Specialist
H. Higgins, Radiation Protection Manager
J. Lauwers, Lead Nuclear Quality Assurance Specialist
K. Morris, Emergency Planning Supervisor
W. O'Connor, Vice President, Nuclear Generation
N. Peterson, Nuclear Licensing Manager
L. Sanders, Training Manager
P. Smith, Nuclear Assessment Director
S. Stasek, Nuclear Projects Director
R. Vergiels, Communications Strategist

LIST OF ITEMS OPENED, CLOSED AND DISCUSSED

Opened and Closed

None.

Discussed

None.

LIST OF DOCUMENTS REVIEWED

The following is a list of documents reviewed during the inspection. Inclusion on this list does not imply that the NRC inspectors reviewed the documents in their entirety but rather that selected sections of portions of the documents were evaluated as part of the overall inspection effort. Inclusion of a document on this list does not imply NRC acceptance of the document or any part of it, unless this is stated in the body of the inspection report.

1EP1 Exercise Evaluation

Fermi Plant Exercise Scenario Manual; dated March 2004

Narrative Summaries and Time Lines of Emergency Planning Drills Conducted in February 2003, July 2003, August 2003, February 2004, and March 2004

EP-101; Classification of Emergencies; Revision 28

EP-102; Unusual Event; Revision 16

EP-103; Alert; Revision 15

EP-104; Site Area Emergency; Revision 15

EP-105; General Emergency; Revision 15

EP-110; Organization and Responsibilities; Revision 11

EP-226; Potassium Iodide; Revision 8

EP-290; Emergency Notifications; Revision 42

EP-301-01; Technical Support Center; Revision 16

EP-302-01; Operational Support Center; Revision 12

EP-303-01; Emergency Operations Facility; Revision 10

EP-530; Assembly and Accountability and Onsite Protective Actions; Revision 16

EP-545; Protective Action Recommendations; Revision 18

4OA1 Performance Indicator Verification

Records of DEP Indicator Opportunities; July 1, 2003 Through December 31, 2003

Records of Key ERO Members' Drill and Exercise Participation; July 1, 2003 Through December 31, 2003

Records of Siren Test Results; July 1, 2003 Through December 31, 2003

Fermi 2 Work Instruction; Operation of the Siren Alert Notification System; dated September 30, 2003

Fermi 2 Siren ANS Testing/Documenting Upgrade

Maintenance of the Siren ANS; dated December 17, 2003

Monthly Radio Transmitter Unit Status Reports; July 2003 Through December 2003

CARD 03-15178; ANS Sirens 54 and 64; dated August 27, 2003

CARD 03-22510; ANS Sirens 56 and 74; dated December 17, 2003

LIST OF ACRONYMS USED

ANS	Alert and Notification System
CARD	Corrective Action Resolution Document
CR	Condition Report
CRS	Control Room Simulator
DEP	Drill and Exercise Performance
EOF	Emergency Operations Facility
ERO	Emergency Response Organization
NRC	Nuclear Regulatory Commission
NUREG	Nuclear Regulatory Guide
OSC	Operations Support Center
PI	Performance Indicator
TSC	Technical Support Center