

June 21, 2006

Mr. Donald K. Cobb  
Assistant Vice President  
Nuclear Generation  
Detroit Edison Company  
6400 North Dixie Highway  
Newport, MI 48166

SUBJECT: FERMIL POWER PLANT, UNIT 2  
NRC EMERGENCY PREPAREDNESS INSPECTION  
REPORT 05000341/2006008 (DRS)

Dear Mr. Cobb:

On June 9, 2006, the NRC completed an inspection at your Fermi Power Plant, Unit 2. The enclosed report documents the inspection findings, which were discussed on June 9, 2006, with Mr. K. Hlavaty and other 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 by Terry J. Madeda Acting For/**

Kenneth Riemer, Chief  
Plant Support Branch  
Division of Reactor Safety

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

Enclosure: Inspection Report 05000341/2006008 (DRS)

See Attached Distribution

Mr. Donald K. Cobb  
Assistant 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 05000341/2006008 (DRS)

Dear Mr. Cobb:

On June 9, 2006, the NRC completed an inspection at your Enrico Fermi Plant, Unit 2. The enclosed report documents the inspection findings, which were discussed on June 9, 2006, with Mr. K. Hlavaty and other 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 by Terry J. Madeda Acting For/**

Kenneth Riemer, Chief  
Plant Support Branch  
Division of Reactor Safety

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

Enclosure: Inspection Report 05000341/2006008 (DRS)

See Attached Distribution

See Attached Concurrences

DOCUMENT NAME: E:\Filenet\ML061720378.wpd

Publicly Available  Non-Publicly Available  Sensitive  Non-Sensitive

To receive a copy of this document, indicate in the concurrence box "C" = Copy without attach/encl "E" = Copy with attach/encl "N" = No copy

OFFICE	Rlll	Rlll	Rlll	Rlll
NAME	TPloski:jb	RJickling	Rlerch for CLipa	Tmededa for KRiemer
DATE	06/19/06	06/19/06	06/20/06	06/21/06

**OFFICIAL RECORD COPY**

D. Cobb

-2-

cc w/encl: R. Gatson, Manager, Nuclear Licensing  
D. Pettinari, Legal Department  
Michigan Department of Environmental Quality  
Waste and Hazardous Materials Division  
M. Yudasz, Jr., Director, Monroe County  
Emergency Management Division  
Supervisor - Electric Operators  
Wayne County Emergency Management Division  
W. King, DHS, Region V

D. Cobb

-3-

cc w/encl: R. Gatson, Manager, Nuclear Licensing  
D. Pettinari, Legal Department  
Michigan Department of Environmental Quality  
Waste and Hazardous Materials Division  
M. Yudasz, Jr., Director, Monroe County  
Emergency Management Division  
Supervisor - Electric Operators  
Wayne County Emergency Management Division  
W. King, DHS, Region V

ADAMS Distribution:

LXR1

DHJ

RidsNrrDirslrib

GEG

KGO

RMM3

CAA1

LSL

DRPIII

DRSIII

PLB1

JRK1

[ROPreports@nrc.gov](mailto:ROPreports@nrc.gov)

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket No.: 50-341

License No.: NPF-43

Report No.: 05000341/2006008 (DRS)

Licensee: Detroit Edison Company

Facility: Fermi Power Plant, Unit 2

Location: 6400 N. Dixie Hwy  
Newport, MI 48166

Dates: June 5 through June 9, 2006

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

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

Enclosure

## SUMMARY OF FINDINGS

IR 05000341/2006008(DRS); 06/05/2006 - 06/09/2006; Fermi Power Plant, Unit 2; Emergency Preparedness Specialist Report.

The report covers a one week baseline inspection by two regional emergency preparedness inspectors. 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 of, April 1, 2005 through March 31, 2006.

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 June 6, 2006, 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 plan. The inspectors also reviewed records of two emergency preparedness drills, which were conducted in June 2005 and May 2006, to verify that those drills' scenarios were sufficiently different from the scenario used in the June 2006 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;
- Technical Support Center (TSC); 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 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 its exercise performance.

These activities completed one inspection sample.

##### b. Findings

No findings of significance were identified.

#### 4. OTHER ACTIVITIES

##### 4OA1 Performance Indicator (PI) Verification (71151)

###### **Cornerstone: Emergency Preparedness**

##### .1 Reactor Safety Strategic Area

###### 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 3, 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 April 1, 2005 through March 31, 2006. The following three PIs were reviewed:

- ANS;
- ERO Drill Participation; and
- DEP.

These activities completed three PI samples.

###### b. Findings

No findings of significance were identified.

##### 4OA6 Meetings

##### .1 Exit Meeting

An exit meeting was conducted for:

- Emergency Preparedness with Mr. K. Hlavaty and other members of licensee management and staff at the conclusion of the inspection on June 9, 2006. The licensee acknowledged the information presented. No proprietary information was identified.

##### .2 Public and Media Briefing

- On June 9, 2006, an inspector summarized NRC's preliminary exercise inspection conclusions at separate public and media briefings hosted by Department of Homeland Security (DHS) Region V staff in Monroe, Michigan.

ATTACHMENT: SUPPLEMENTAL INFORMATION

## **SUPPLEMENTAL INFORMATION**

### **KEY POINTS OF CONTACT**

#### Licensee

K. Hlavaty, Plant Manager  
D. Bergmooser, Maintenance Manager  
J. Davis, Outage Manager  
G. Garber, Emergency Planning Specialist  
R. Gaston, Licensing Manager  
S. Hassoun, Principal Engineer  
H. Higgins, Radiation Protection Manager  
M. Hobbs, Systems Engineering Supervisor  
R. Johnson, Licensing Supervisor  
J. Louwers, Lead Auditor  
K. Morris, Emergency Planning Supervisor  
B. O'Donnell, Performance Engineering Manager  
M. Philippon, Operations Manager  
J. Plona, Engineering Director  
P. Smith, Nuclear Projects Engineering Director  
S. Stasek, Nuclear Projects Director  
R. Vergiels, Senior Communications Specialist

### **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 June 2006 Exercise Scenario Manual

Fermi Plant May 2006 Pre-Exercise Drill Objectives and Time Line

Fermi Plant June 2005 Off-Year Exercise Objectives and Time Line

EP-101; Classification of Emergencies; Revision 30

EP-102; Unusual Event; Revision 17

EP-103; Alert; Revision 17

EP-104; Site Area Emergency; Revision 16

EP-105; General Emergency; Revision 16

EP-110; Organization and Responsibilities; Revision 13

EP-226; Potassium Iodide; Revision 9

EP-290; Emergency Notifications; Revision 45

EP-301-01; Technical Support Center; Revision 17

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

EP-303-01; Emergency Operations Facility; Revision 11

EP-530; Assembly and Accountability and Onsite Protective Actions; Revision 20

EP-542; Computer-Based Offsite Dose Assessment - Airborne Release; Revision 7

EP-545; Protective Action Recommendations; Revision 20

EP-547; Rapid Estimate of Core/Fuel Damage Based on Containment High Range Radiation Monitor; Revision 6

4OA1 Performance Indicator Verification

Records of DEP Indicator Opportunities; April 1, 2005 through March 31, 2006

Records of Key ERO Members' Drill and Exercise Participation; April 1, 2005 through March 31, 2006

Records of ANS Siren Test Results; April 1, 2005 through March 31, 2006

## LIST OF ACRONYMS USED

ANS	Alert and Notification System
CFR	Code of Federal Regulations
DEP	Drill and Exercise Performance
DHS	Department of Homeland Security
EOF	Emergency Operations Facility
ERO	Emergency Response Organization
NRC	United States Nuclear Regulatory Commission
NUREG	Nuclear Regulatory Guide
PI	Performance Indicator
TSC	Technical Support Center