



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION III  
2443 WARRENVILLE RD. SUITE 210  
LISLE, IL 60532-4352

November 18, 2016

Mr. Keith J. Polson  
Site Vice President  
DTE Electric Company  
6400 North Dixie Highway  
Newport, MI 48166

SUBJECT: NRC INSPECTION REPORT 05000016/2016008(DNMS) - ENRICO  
FERMI ATOMIC POWER PLANT, UNIT 1

Dear Mr. Polson:

On November 3, 2016, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at the Enrico Fermi Atomic Power Plant, Unit 1 (Fermi 1). The purpose of the inspection was to determine whether decommissioning activities were conducted safely and in accordance with NRC requirements. At the conclusion of the inspection on November 3, the NRC inspector discussed the inspection results with members of your staff.

The inspection consisted of an examination of activities at the facility as they relate to safety and compliance with the Commission's rules and regulations. Areas examined during the inspection included facility management and control and radiological safety. Within these areas, the inspection consisted of a selective examination of procedures and representative records, field observations of activities in progress, and interviews with personnel.

Based on the results of this inspection, the NRC did not identify any violations.

In accordance with Title 10 of the *Code of Federal Regulations* (CFR) 2.390, "Public Inspections, Exemptions, Requests for Withholding," 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's Public Document Room or from the Publicly Available Records System (PARS) component of NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC's web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

K. Polson

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We will gladly discuss any questions you have concerning this inspection.

Sincerely,

**/RA/**

Michael Kunowski, Chief  
Materials Control, ISFSI, and  
Decommissioning Branch  
Division of Nuclear Materials Safety

Docket No. 05000016  
License No. DPR-9

Enclosure:  
IR 05000016/2016008(DNMS)

cc: Dan Breiding, Fermi 1 Custodian  
Lynne Goodman  
Jon Christinidis  
Stanley Stasek  
Paul Fessler  
Radiological Protection Section,  
Michigan Department of  
Environmental Quality

cc: Distribution via LISTSERV®

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket No.: 05000016

License No.: DPR-9

Report No.: 05000016/2016008(DNMS)

Licensee: DTE Electric Company

Facility: Enrico Fermi Atomic Power Plant, Unit 1

Location: 6400 North Dixie Highway  
Newport, MI 48166

Inspection Dates: November 3, 2016

Inspector: Peter J. Lee, Ph.D., CHP

Approved by: Michael Kunowski, Chief  
Materials Control, ISFSI, and  
Decommissioning Branch  
Division of Nuclear Materials Safety

Enclosure

## **EXECUTIVE SUMMARY**

### **Enrico Fermi Atomic Power Plant, Unit 1 NRC Inspection Report 05000016/2016008(DNMS)**

This routine decommissioning inspection included reviews of facility management and control, and radiological safety.

#### Facility Management and Control

- The inspector concluded that the licensee conducted the quarterly surveillances in accordance with the requirement of the Technical Specification. (Section 1.1)
- The inspector determined that the licensee adequately implemented the audits of technical specification monitoring surveillances in accordance with its Quality Assurance Program.

#### Radiological Safety

- The inspector verified that no detectable licensed material had been released to the Environment through the discharges from the active sumps. (Section 2.1)

## **Report Details<sup>1</sup>**

### **Summary of Plant Activities**

During the inspection period, the licensee has returned to a passive monitoring Safe Storage (SAFSTOR) status from the active final decontamination phase of SAFSTOR.

#### **1.0 Facility Management and Control**

##### **1.1 Decommissioning Performance and Status Review at Permanently Shut Down Reactors (Inspection Procedure (IP) 71801)**

###### **a. Inspection Scope**

The inspector reviewed the quarterly radiation surveillance results of 2016. The inspector also toured the plant to observe the condition of the plant.

###### **b. Observations and Findings**

The postings and boundaries for the contamination control were well maintained. Final status survey areas were adequately isolated and posted. There were no unexpected radiation readings detected. The radiation readings were consistent with the measurements taken during preparing to return to passive monitoring SAFSTOR.

###### **c. Conclusions**

The inspector concluded that the licensee conducted the quarterly surveillances in accordance with the requirement of the Technical Specification.

##### **1.2 Self-Assessment, Auditing, and Corrective Action (IP 40801)**

###### **a. Inspection Scope**

The inspector reviewed the licensee's audit of its technical specification monitoring surveillances (Audit 16-0107) conducted from June 20-21, 2016. Selected corrective action work orders associated with identified deficiencies were also reviewed.

###### **b. Observations and Findings**

The audit of technical specification monitoring surveillances (Audit 16-0107) was appropriately focused in both scope and level of detail, and the licensee initiated appropriate corrective actions to resolve the audit findings. No significant problems were identified.

###### **c. Conclusions**

The inspector determined that the licensee adequately implemented the audits of technical specification monitoring surveillances in accordance with its Quality Assurance Program.

## **2.0 Radiological Safety**

### **2.1 Effluent and Environmental Monitoring (IP 84750)**

#### **a. Inspection Scope**

The inspector reviewed the analytical sampling data of ground water from Fermi 1 active sumps to evaluate the potential release of radioactive material to the environment.

#### **b. Observations and Findings**

According to Surveillance Performance Form, Event FI 97, Fermi 1 sumps are sampled semi-annually. Based on the review of the analytical sampling data from the sumps, the inspector determined that only natural occurring radioactive materials were identified.

#### **c. Conclusion**

The inspector verified that no detectable licensed material had been released to the environment through the discharges from the active sumps.

## **3.0 Exit Meeting**

The inspector presented the inspection results to members of the licensee's staff at the conclusion of the inspection on November 3, 2016. The licensee did not identify any of the documents or processes reviewed by the inspector as proprietary.

ATTACHMENT: SUPPLEMENTAL INFORMATION

## **SUPPLEMENTAL INFORMATION**

### **PARTIAL LIST OF PERSONS CONTACTED**

L. Goodman, Manager Licensing, MEP and Fermi 1 Custodial Delegate  
\* D. Breiding, Fermi 1 Custodian  
B. Rumans, Radiation Protection Supervisor

\* Present at the November 3, 2016, exit meeting.

### **LIST OF PROCEDURES USED**

Inspection Procedure 71801:	Decommissioning Performance and Status Review at Permanently Shut Down Reactors
Inspection Procedure 84750:	Effluent and Environmental Monitoring
Inspection Procedure 40801:	Self-Assessment, Auditing, and Corrective Action

### **LIST OF ACRONYMS USED**

ADAMS	Agencywide Documents Access and Management System
CFR	Code of Federal Regulations
IP	Inspection Procedure
SAFSTOR	Safe Storage
DNMS	Division of Nuclear Materials Safety
NRC	Nuclear Regulatory Commission

### **LICENSEE DOCUMENTS REVIEWED**

Licensee documents reviewed and utilized during the course of this inspection are specifically identified in the "Report Details" above.

### **ITEMS OPENED, CLOSED, AND DISCUSSED**

None