



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION III  
2443 WARRENVILLE RD. SUITE 210  
LISLE, IL 60532-4352

March 4, 2015

Mr. Paul Fessler  
Chief Nuclear Officer  
DTE Energy Company  
Fermi 2 - 210 NOC  
6400 North Dixie Highway  
Newport, MI 48166

SUBJECT: ANNUAL ASSESSMENT LETTER FOR FERMI POWER PLANT, UNIT 2  
(REPORT 05000341/2014001)

Dear Mr. Fessler:

On February 12, 2015, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Fermi Power Plant (Fermi), Unit 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2014, through December 31, 2014. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined the performance at Fermi during the most recent quarter was within the Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because of one or more greater-than-green Security Cornerstone inputs as described in NRC Inspection Report 05000341/2014407 (ADAMS Accession Number ML14150A041) sent on May 29, 2014. On June 9, 2014, we issued the follow-up assessment letter based on that report that moved the Fermi Power Plant from the License Response Column to the Regulatory Response Column of the Action Matrix beginning the first quarter of 2014. The supplemental inspection was completed on December 4, 2014. That inspection report and assessment follow-up letter was issued on January 15, 2015 (ADAMS Accession Number ML15015A739) returning Fermi to the Licensee Response Column at the start of the first quarter of 2015.

The enclosed inspection plan lists the inspections scheduled through June 30, 2016. Routine inspections performed by resident inspectors are not included in the inspection plan. Notable infrequent inspections planned are a License Renewal inspection, a triennial Modification 50.59 inspection, and a biennial Problem Identification and Resolution inspection. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

Additionally, an NRC audit of licensee efforts towards compliance with Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," and Order EA-12-051, "Order Modifying Licenses with Regard to

P. Fessler

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Reliable Spent Fuel Pool Instrumentation," is ongoing for various sites. The audit includes an onsite visit for the NRC staff to evaluate mitigating strategies as described in the licensee submittals, and to receive and review information relative to associated open items. This onsite audit will occur prior to the site achieving compliance with the Orders and the audit will aid NRC staff in developing a final Safety Evaluation for the site. The audit at your site has been scheduled for the week of June 22, 2015. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390, "Public Inspections, Exemptions, Requests for Withholding," of the NRC's "Rules of Practice," a copy of this letter, its enclosure, and your response (if any) will be available electronically for public inspection in the NRC's Public Document Room or from the Publicly Available Records System (PARS) component of the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact Mr. Michael Kunowski at 630-829-9618 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Anne T. Boland, Director  
Division of Reactor Projects

Docket Nos. 50-341; 072-071  
License No. NPF-43

Enclosure:  
Fermi 2 Inspection/Activity Plan

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|        |                    |           |          |  |
|--------|--------------------|-----------|----------|--|
| OFFICE | RIII               | RIII      | RIII     |  |
| NAME   | JJandovitzj; rj/mz | MKunowski | ABoland  |  |
| DATE   | 03/03/15           | 03/02/15  | 03/03/15 |  |

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**Fermi**  
**Inspection / Activity Plan**  
**03/01/2015 - 06/30/2016**

| Unit Number | Planned Dates |            | Inspection Activity                                     | Title   | No. of Staff on Site |
|-------------|---------------|------------|---|---|----------------------|
|             | Start         | End        |   |   |                      |
|             |               |            | <b>RENEWAL - LICENSE RENEWAL INSPECTION 71002</b>       |   | <b>7</b>             |
| 2           | 04/13/2015    | 05/01/2015 | IP 71002  | License Renewal Inspection  |                      |
|             |               |            | <b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b> |   | <b>1</b>             |
| 2           | 05/18/2015    | 05/22/2015 | IP 71124.03   | In-Plant Airborne Radioactivity Control and Mitigation  |                      |
| 2           | 05/18/2015    | 05/22/2015 | IP 71124.04   | Occupational Dose Assessment  |                      |
|             |               |            | <b>BI EPR - EP ROUTINE INSPECTION / PI VERIFICATION</b> |   | <b>2</b>             |
| 2           | 06/15/2015    | 06/19/2015 | IP 7111402  | Alert and Notification System Testing   |                      |
| 2           | 06/15/2015    | 06/19/2015 | IP 7111403  | Emergency Preparedness Organization Staffing and Augmentation System                              |                      |
| 2           | 06/15/2015    | 06/19/2015 | IP 7111405  | Correction of Emergency Preparedness Weaknesses and Deficiencies                                  |                      |
| 2           | 06/15/2015    | 06/19/2015 | IP 71151  | Performance Indicator Verification  |                      |
|             |               |            | <b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b> |   | <b>1</b>             |
| 2           | 07/06/2015    | 07/10/2015 | IP 71124.08   | Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation |                      |
| 2           | 07/06/2015    | 07/10/2015 | IP 71151  | Performance Indicator Verification  |                      |
|             |               |            | <b>OL PREP - INIT EXAM/SEPT 2015</b>                    |   | <b>3</b>             |
| 2           | 08/24/2015    | 08/28/2015 | W90330  | OL - INITIAL EXAM - 2015 FEB-MAR - FERMI 2  |                      |
|             |               |            | <b>OL EXAM - OL EXAM/SEPT 2015</b>                      |   | <b>3</b>             |
| 2           | 09/14/2015    | 09/18/2015 | W90330  | OL - INITIAL EXAM - 2015 FEB-MAR - FERMI 2  |                      |
|             |               |            | <b>BI ISI - ISI INSPECTION</b>                          |   | <b>1</b>             |
| 2           | 09/28/2015    | 10/28/2015 | IP 7111108G   | Inservice Inspection Activities - BWR   |                      |
|             |               |            | <b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b> |   | <b>1</b>             |
| 2           | 10/19/2015    | 10/23/2015 | IP 71124.01   | Radiological Hazard Assessment and Exposure Controls  |                      |
|             |               |            | <b>BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION</b>     |   | <b>2</b>             |
| 2           | 11/16/2015    | 11/20/2015 | IP 7111111B   | Licensed Operator Requalification Program   |                      |
|             |               |            | <b>PI&amp;R - BIENNIAL PI&amp;R INSPECTION</b>          |   | <b>4</b>             |
| 2           | 11/30/2015    | 12/18/2015 | IP 71152B   | Problem Identification and Resolution   |                      |
|             |               |            | <b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b> |   | <b>1</b>             |
| 2           | 02/29/2016    | 03/04/2016 | IP 71124.05   | Radiation Monitoring Instrumentation  |                      |
|             |               |            | <b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b> |   | <b>1</b>             |
| 2           | 05/02/2016    | 05/06/2016 | IP 71124.02   | Occupational ALARA Planning and Controls  |                      |
|             |               |            | <b>ENG BI - TRIENNIAL HEAT SINK INSPECTION</b>          |   | <b>2</b>             |
| 2           | 05/16/2016    | 05/20/2016 | IP 7111107T   | Heat Sink Performance   |                      |
|             |               |            | <b>ISFSI - CASK LOADING INSPECTION</b>                  |   | <b>1</b>             |
| 2           | 06/01/2016    | 08/31/2016 | IP 60855.1  | Operation of an Independent Spent Fuel Storage Installation at Operating Plants                   |                      |

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

Fermi  
Inspection / Activity Plan  
03/01/2015 - 06/30/2016

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|-------------|----------------------------|------------|---|--|----------------------|
| 2           | 06/20/2016                 | 06/24/2016 | BI RP - RADIATION PROTECTION BASELINE INSPECTION<br>IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | 1                    |

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