



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

September 3, 2013

Mr. Joseph Plona  
Senior Vice President and  
Chief Nuclear Officer  
Detroit Edison Company  
Fermi 2 - 210 NOC  
6400 North Dixie Highway  
Newport, MI 48166

**SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR FERMI POWER PLANT  
UNIT 2 (REPORT 05000341/2013006)**

Dear Mr. Plona:

On August 13, 2013, the U.S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of the Fermi Power Plant, Unit 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2012, through June 30, 2013. 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 Power Plant, Unit 2, during the most recent quarter, ending June 30, 2013, was within the Regulatory Response Column (Column 2) of the NRC's Reactor Oversight Process (ROP) Action Matrix because of a White PI for Unplanned Scrams per 7000 Critical Hours. On June 25, 2013, the NRC completed a 95001 supplemental inspection at your facility to evaluate the corrective actions taken by members of your staff to address the performance indicator issue and prevent recurrence. The NRC determined you met the objectives of that inspection and documented the results in NRC Inspection Report and Assessment Follow-up Letter 05000341/2013009 (ADAMS Accession Number ML13198A509). In that letter, the NRC also updated its assessment of Fermi Power Plant, Unit 2, and informed you that Fermi Unit 2 transitioned back to the Licensee Response Column (Column 1) of the ROP Action Matrix, effective July 17, 2013.

Therefore, the NRC plans to conduct ROP baseline inspections at your facility. The NRC also plans to conduct non-routine inspections and temporary instructions at your facility, including: Inspection Procedure (IP) 71111.05(T), "Fire Protection" (Triennial); IP 71111.07(T), "Heat Sink Performance" (Triennial); IP 71111.11(B), "Licensed Operator Requalification Program and Licensed Operator Performance" (Biennial); IP 71152(B), "Problem Identification and Resolution" (Biennial); Temporary Instruction (TI) 2201/004, "Inspection of Implementation of Interim Cyber Security Milestones 1-7"; TI 2515/182, "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks"; and TI 2515/186, "Inspection of Procedures and Processes for Responding to Potential Aircraft Threats."

The enclosed inspection plan lists the inspections scheduled through December 31, 2014. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-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. The inspection plan does not include security-related inspections, which will be sent via separate, non-publicly available correspondence.

In accordance with 10 CFR 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 System (PARS) component of 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, Branch 5 Chief, Division of Reactor Projects, at 630-829-9618 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Kenneth G. O'Brien, Acting Director  
Division of Reactor Projects

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

Enclosure: Fermi Power Plant Inspection/Activity Plan

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Kenneth G. O'Brien, Acting Director  
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Letter to J. Plona from K. O'Brien dated September 3, 2013

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR FERMI POWER PLANT  
UNIT 2 (REPORT 05000341/2013006)

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**Fermi**  
**Inspection / Activity Plan**  
**09/01/2013 - 12/31/2014**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>BI PI&amp;R - BIENNIAL PI&amp;R TEAM INSPECTION</b>		<b>4</b>
2	11/04/2013	11/22/2013	IP 71152B	Problem Identification and Resolution	
			<b>OL EXAM - FERMI INIT EXAM - 09/2013</b>		<b>3</b>
2	09/09/2013	09/13/2013	W90287	OL - INITIAL EXAM - 2013 AUG-SEPT - FERMI 2	
			<b>TI 182 - TI 182 BURIED PIPING PHASE 2</b>		<b>2</b>
2	09/16/2013	09/20/2013	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
			<b>ISFSI - ISFSI INSPECTION</b>		<b>1</b>
2	11/01/2013	12/31/2013	IP 60856.1	Review of 10 CFR 72.212(b) Evaluations at Operating Plants	
			<b>BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION</b>		<b>2</b>
2	11/04/2013	11/08/2013	IP 7111111B	Licensed Operator Requalification Program	
			<b>BI HS - TRIENNIAL HEAT SINK INSPECTION</b>		<b>2</b>
2	12/02/2013	12/06/2013	IP 7111107T	Heat Sink Performance	
			<b>ISFSI - ISFSI INSPECTION</b>		<b>1</b>
2	12/01/2013	12/31/2013	IP 60853	On-Site Fabrication Of Components And Construction On An ISFSI	
			<b>ISFSI - ISFSI INSPECTION</b>		<b>1</b>
2	01/01/2014	01/31/2014	IP 60853	On-Site Fabrication Of Components And Construction On An ISFSI	
			<b>ISFSI - ISFSI INSPECTION</b>		<b>1</b>
2	01/01/2014	01/31/2014	IP 60856.1	Review of 10 CFR 72.212(b) Evaluations at Operating Plants	
			<b>BI EPX - EP EXERCISE INSPECTION / PI VERIFICATION</b>		<b>2</b>
2	04/28/2014	05/02/2014	IP 71151	Performance Indicator Verification	
			<b>BI ISI - INSERVICE INSPECTION</b>		<b>1</b>
2	02/10/2014	03/17/2014	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>ISFSI - ISFSI INSPECTION</b>		<b>1</b>
2	04/01/2014	05/31/2014	IP 60854.1	Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants	
			<b>ISFSI - ISFSI INSPECTION - SCHEDULE DEPENDENT</b>		<b>1</b>
2	06/01/2014	08/31/2014	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
2	05/12/2014	05/16/2014	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
2	07/14/2014	07/18/2014	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
2	08/18/2014	08/22/2014	IP 71124.07	Radiological Environmental Monitoring Program	

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

**Fermi**  
**Inspection / Activity Plan**  
**09/01/2013 - 12/31/2014**

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	Start	End			
			<b>BI FP - FIRE PROTECTION INSPECTION&amp; BAG TRIP</b>		<b>3</b>
2	08/11/2014	09/12/2014	IP 7111105T	Fire Protection [Triennial]	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
2	09/22/2014	09/26/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2	09/22/2014	09/26/2014	IP 71151-BI01	Reactor Coolant System Activity	
2	09/22/2014	09/26/2014	IP 71151-OR01	Occupational Exposure Control Effectiveness	
2	09/22/2014	09/26/2014	IP 71151-PR01	RETS/ODCM Radiological Effluent	

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