



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

September 2, 2014

Mr. Joseph Plona
Senior Vice President and CNO
DTE Energy Company
Fermi 2 - 210 NOC
6400 North Dixie Highway
Newport, MI 48166

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR FERMI POWER PLANT, UNIT 2

Dear Mr. Plona:

On August 6, 2014, 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, 2013, through June 30, 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 Power Plant, Unit 2, during the most recent quarter, was within the Regulatory Response Column (Column 2) of the NRC's Reactor Oversight Process (ROP) Action Matrix because of one or more greater-than-green Security Cornerstone inputs. In a letter dated June 9, 2014, we informed you that Fermi Unit 2 had transitioned from the Licensee Response Column (Column 1) to Column 2 as of the first quarter of 2014.

In addition to ROP baseline inspections, the NRC plans to conduct a supplemental inspection, in accordance with Inspection Procedure (IP) 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area," when you notify us of your readiness for the NRC to review the actions taken to address this finding.

As a result of the Safety Culture Common Language Initiative, the terminology and coding of cross-cutting aspects were revised. All cross-cutting aspects identified during inspections conducted in calendar year 2014 reflect this revision to Inspection Manual Chapter (IMC) 0310. Cross-cutting aspects identified in 2013 using the 2013 terminology were converted to the latest revision in accordance with the cross-reference in IMC 0310 during the mid-cycle assessment review and evaluated for cross-cutting themes and potential substantive cross-cutting issues in accordance with IMC 0305.

The enclosed inspection plan lists the inspections scheduled through December 31, 2015. 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.

The NRC also plans to conduct non-routine inspections and temporary instructions at your facility, including: Inspection Procedure (IP) 71111.17T, "Evaluations of Changes, Tests and Experiments and Permanent Plant Modifications (Triennial)"; IP 71111.11(B), "Licensed Operator Requalification Program and Licensed Operator Performance" (Biennial); and IP 71152(B), "Problem Identification and Resolution (Biennial)."

In response to the accident at Fukushima, the Commission issued Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," which requires licensees to develop, implement, and maintain guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities following a beyond-design-basis external event. Additionally, the Commission issued Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," which requires licensees to have a reliable means of remotely monitoring wide-range Spent Fuel Pool levels to support effective prioritization of event mitigation and recovery actions in the event of a beyond-design-basis external event. The NRC is conducting audits of licensee efforts towards compliance with these Orders. This audit includes an onsite component in order for the NRC to evaluate licensee plans for complying with the Orders, as described in site-specific submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to a declaration of compliance for the first unit at each site, and will aid staff in development of an ultimate Safety Evaluation for the site. The date for the onsite component at your site is being coordinated with your staff. 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* 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 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).

J. Plona

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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.

Sincerely,

/RA/

Anne T. Boland, Director
Division of Reactor Projects

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

Enclosure:
Fermi Power Plant Inspection/Activity Plan

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Fermi
Inspection / Activity Plan
09/01/2014 - 12/31/2015

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			BI FP - FIRE PROTECTION INSPECTION& BAG TRIP		4
2	08/11/2014	09/12/2014	IP 7111105T	Fire Protection [Triennial]	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
2	11/17/2014	11/21/2014	IP 71124.02	Occupational ALARA Planning and Controls	
			BI MODS - MODIFICATIONS 50;59 TRI INSPECTION		3
2	01/26/2015	02/13/2015	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			RENEWAL - LICENSE RENEWAL INSPECTION 71002		5
2	04/13/2015	05/01/2015	IP 71002	License Renewal Inspection	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
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	
			BI EPR - EP ROUTINE INSPECTION / PI VERIFICATION		2
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	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
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-BI01		
2	07/06/2015	07/10/2015	IP 71151-OR01		
2	07/06/2015	07/10/2015	IP 71151-PR01		
			OL PREP - INIT EXAM/SEPT 2015		3
2	08/24/2015	08/28/2015	W90330	OL - INITIAL EXAM - 2015 FEB-MAR - FERMI 2	
			OL EXAM - OL EXAM/SEPT 2015		3
2	09/14/2015	09/18/2015	W90330	OL - INITIAL EXAM - 2015 FEB-MAR - FERMI 2	
			BI ISI - ISI INSPECTION		1
2	09/28/2015	10/28/2015	IP 7111108G	Inservice Inspection Activities - BWR	
			BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
2	10/19/2015	10/23/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			BI OLRQ - BIENNIAL REQUAL PROGRAM INSPECTION		2
2	11/16/2015	11/20/2015	IP 7111111B	Licensed Operator Requalification Program	
			PIR - BIENNIAL PIR INSPECTION		2
2	11/30/2015	12/18/2015	IP 71152B	Problem Identification and Resolution	

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