



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

September 1, 2010

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

**SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN –
FERMI POWER PLANT, UNIT 2**

Dear Mr. Davis:

On August 5, 2010, the NRC staff completed its performance review of the Fermi Power Plant. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from July 1, 2009, through June 30, 2010. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only--Security Information" will include the Security Cornerstone review and resultant inspection plan.

Fermi Power Plant operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility.

Additionally, the staff has identified a cross-cutting theme in the area of human performance (HP) with the aspect of Documentation/Procedures (H.2(c)). During this assessment period, there were seven findings documented with cross-cutting aspects in the HP area. There was a cross-cutting theme in the area of HP because six of these findings shared a common cross-cutting Documentation/Procedures aspect (H.2(c)) and were from different cornerstones.

However, five of the findings with cross-cutting aspect of H.2(c) were identified during the component design bases inspection in the second quarter 2010. You recognized this cross-cutting theme and have implemented a range of actions to address this trend. Because many of these actions were implemented in the second quarter of 2010, a reasonable duration of time has not passed to determine the effectiveness of these corrective actions. Therefore, the NRC does not propose a substantive cross-cutting issue in the area of HP at this time. However, we will continue to monitor the effectiveness of your corrective actions to address this cross-cutting theme through our baseline inspections.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through December 31, 2011. We also plan on performing several special and infrequently performed inspections that include: Inspection Procedure (IP) 92709, "Licensee Strike Contingency Plans"; IP 92702, "Follow up on Traditional Enforcement Actions, Including Violations, Deviations, Confirmatory Orders, and Alternative Dispute Resolution Confirmatory Action Letters"; IP 60854.1, "Preoperational Testing of Independent Spent Fuel Storage Installation (ISFSIs) at Operating Plants"; IP 60855.1, "Operation of an ISFSI at Operating Plants"; and IP60856.1, "Review of 10 CFR 72.212(b) Evaluations at Operating Plants." The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last 9 months of the inspection plan are tentative and may be revised at the end-of-cycle review.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made 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).

If circumstances arise which cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 630-829-9753 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Robert J. Orlikowski, Acting Chief
Branch 4
Division of Reactor Projects

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

Enclosure: Fermi 2 Inspection/Activity Plan

cc w/encl: Distribution via ListServ

Fermi
Inspection / Activity Plan
09/01/2010 - 12/31/2011

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		ISFSI - ISFSI INSPECTION		2
05/01/2010	12/31/2010	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
		BI ENG - HEAD DROP ANALYSIS INSPECTION		3
07/01/2010	10/25/2010	IP 7111120	Refueling and Other Outage Activities	
		OL EXAM - FERMI INIT EXAM - AUG. 2010		3
08/30/2010	09/03/2010	W90219	OL - INITIAL EXAM - AUG 2010 - FERM	
		BI ENG - INSERVICE INSPECTION		1
10/24/2010	11/11/2010	IP 7111108G	Inservice Inspection Activities - BWR	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
10/25/2010	10/29/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
10/25/2010	10/29/2010	IP 71124.02	Occupational ALARA Planning and Controls	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
11/29/2010	12/03/2010	IP 71124.05	Radiation Monitoring Instrumentation	
		ISFSI - ISFSI INSPECTION - SCHEDULE DEPENDENT		2
01/01/2011	05/31/2011	IP 60854.1	Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants	
04/01/2011	04/30/2011	IP 60856.1	Review of 10 CFR 72.212(b) Evaluations at Operating Plants	
05/01/2011	07/31/2011	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
		BI ENG - TRIENNIAL FIRE PROTECTION INSPECTION		3
03/21/2011	04/29/2011	IP 7111105T	Fire Protection [Triennial]	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
03/28/2011	04/01/2011	IP 2515/179	Verification of Licensee Responses to NRC Requirement for Inventories of Materials Tracked in NSTS	
03/28/2011	04/01/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
03/28/2011	04/01/2011	IP 71124.02	Occupational ALARA Planning and Controls	
		BI EP - EP ROUTINE INSPECTION / PI VERIFICATION		2
04/18/2011	04/22/2011	IP 7111402	Alert and Notification System Testing	
04/18/2011	04/22/2011	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
04/18/2011	04/22/2011	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
04/18/2011	04/22/2011	IP 71151-EP01	Drill/Exercise Performance	
04/18/2011	04/22/2011	IP 71151-EP02	ERO Drill Participation	
04/18/2011	04/22/2011	IP 71151-EP03	Alert & Notification System	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
06/13/2011	06/17/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
06/13/2011	06/17/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
06/13/2011	06/17/2011	IP 71124.04	Occupational Dose Assessment	

Fermi
Inspection / Activity Plan
09/01/2010 - 12/31/2011

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		BI PI&R - BIENNIAL PI&R INSPECTION		3
09/19/2011	10/07/2011	IP 71152B	Identification and Resolution of Problems	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
10/03/2011	10/07/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
10/03/2011	10/07/2011	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
10/03/2011	10/07/2011	IP 71151-BI01	Reactor Coolant System Activity	
10/03/2011	10/07/2011	IP 71151-OR01	Occupational Exposure Control Effectiveness	
10/03/2011	10/07/2011	IP 71151-PR01	RETS/ODCM Radiological Effluent	
		BI OL - BIENNIAL REQUAL PROGRAM EVAL		2
12/05/2011	12/09/2011	IP 7111111B	Licensed Operator Requalification Program	

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 Robert J. Orlikowski, Acting Chief
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Letter to J. Davis from R. Orlikowski dated September 1, 2010.

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN –
FERMI POWER PLANT, UNIT 2

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