



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

September 1, 2009

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 20, 2009, the NRC staff completed its performance review of Fermi Power Plant, Unit 2. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from July 1, 2008, through June 30, 2009. 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.

Plant performance for the most recent quarters at Fermi Power Plant Unit 2 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.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through December 31, 2010. 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).

J. Davis

-2-

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 630-829-9619 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

**/RA/**

John B. Giessner, Chief  
Branch 4  
Division of Reactor Projects

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

Enclosure: Inspection Plan

cc w/encl: J. Plona, Vice President,  
Nuclear Generation  
K. Hlavaty, Plant Manager  
R. Gaston, Manager, Nuclear Licensing  
D. Pettinari, Legal Department  
Michigan Department of Environmental Quality  
G. Williams, Director, Monroe County  
Emergency Management Division  
Supervisor - Electric Operators  
T. Strong, Chief, State Liaison Officer, State of Michigan  
Wayne County Emergency Management Division  
Chair, Wayne County Board of Commissioners  
Wayne County Sheriff  
Director, Wayne County Emergency  
Management Agency  
Mayor of Flat Rock  
Mayor of Gibraltar  
City Administrator of Gibraltar  
Monroe County Board Chairman  
Monroe County Sheriff  
Director, Monroe County Emergency  
Management Agency  
Director, Monroe County Health Department  
Mayor of Monroe  
Monroe City Manager  
Carleton Village President  
Mayor of Rockwood  
Rockwood City Administrator  
Supervisor, Frenchtown Charter Township  
G. Mortensen, INPO

Letter to J. Davis from J. Giessner dated September 1, 2009.

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

DISTRIBUTION:

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Allan Barker

DRPIII

DRSIII

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Tammy Tomczak

[ROPreports Resource](#)

J. Davis

-2-

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DATE	08/24/09	08/24/09				

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**Fermi**  
**Inspection / Activity Plan**  
**09/01/2009 - 12/31/2010**

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		<b>ISFSI - ISFSI - DESIGN AND PAD CONSTRUCTION</b>		<b>1</b>
04/01/2009	09/30/2009	IP 60853	On-Site Fabrication Of Components And Construction On An ISFSI	
04/01/2009	09/30/2009	IP 60856	Review of 10 CFR 72.212(b) Evaluations	
		<b>BI PI&amp;R - BIENNIAL PI&amp;R INSPECTION</b>		<b>5</b>
09/21/2009	10/09/2009	IP 71152B	Identification and Resolution of Problems	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
09/14/2009	09/18/2009	IP 7112101	Access Control to Radiologically Significant Areas	
09/14/2009	09/18/2009	IP 7112102	ALARA Planning and Controls	
09/14/2009	09/18/2009	IP 71151-BI01	Reactor Coolant System Activity	
09/14/2009	09/18/2009	IP 71151-OR01	Occupational Exposure Control Effectiveness	
09/14/2009	09/18/2009	IP 71151-PR01	RETS/ODCM Radiological Effluent	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
11/02/2009	11/06/2009	IP 7112202	Radioactive Material Processing and Transportation	
		<b>HD DROP - SMART SAMPLE OPESS FY-2007-03, REV. 2</b>		<b>1</b>
11/16/2009	12/03/2009	IP 7111120-Rfl	Refueling Activities	
		<b>BI OL - LIC. OPERATOR REQUAL. PROGRAM EVALUATION</b>		<b>2</b>
11/30/2009	12/04/2009	IP 7111111B	Licensed Operator Requalification Program	
		<b>BI ENG - COMPONENT DESIGN BASIS INSPECTION</b>		<b>9</b>
01/25/2010	02/26/2010	IP 7111121	Component Design Bases Inspection	
		<b>ISFSI - ISFSI INSPECTION</b>		<b>2</b>
03/01/2010	07/31/2010	IP 60854.1	Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants	
03/01/2010	07/31/2010	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>
03/22/2010	03/26/2010	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program	
		<b>BI EP - EP EXERCISE INSPECTION / PI VERIFICATION</b>		<b>3</b>
06/07/2010	06/11/2010	IP 7111401	Exercise Evaluation	
06/07/2010	06/11/2010	IP 71151-EP01	Drill/Exercise Performance	
06/07/2010	06/11/2010	IP 71151-EP02	ERO Drill Participation	
06/07/2010	06/11/2010	IP 71151-EP03	Alert & Notification System	
		<b>OL PREP - FERMI INIT PREP - AUG. 2010</b>		<b>2</b>
08/02/2010	08/06/2010	W90219	OL - INITIAL EXAM - AUG 2010 - FERM	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
08/23/2010	08/27/2010	IP 7112101	Access Control to Radiologically Significant Areas	
08/23/2010	08/27/2010	IP 7112102	ALARA Planning and Controls	
08/23/2010	08/27/2010	IP 71151-BI01	Reactor Coolant System Activity	

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08/23/2010	08/27/2010	IP 71151-PR01	RETS/ODCM Radiological Effluent	
		<b>OL EXAM - FERMI INIT EXAM - AUG. 2010</b>		<b>3</b>
08/23/2010	09/03/2010	W90219	OL - INITIAL EXAM - AUG 2010 - FERM	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>2</b>
10/04/2010	10/08/2010	IP 7112101	Access Control to Radiologically Significant Areas	
10/04/2010	10/08/2010	IP 7112102	ALARA Planning and Controls	
		<b>BI ENG - ENGINEERING INSERVICE INSPECTION</b>		<b>1</b>
10/04/2010	10/22/2010	IP 7111108G	Inservice Inspection Activities - BWR	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
12/06/2010	12/10/2010	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment	