

August 31, 2007

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 14, 2007, the NRC staff completed its performance review of Fermi 2 for the first half of the calendar year 2007 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results over the previous 12 months. 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-Related Information" will include the security cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter at Fermi 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 baseline inspections at your facility.

The enclosed inspection plan details the inspections, less those related to security, scheduled through December 31, 2008. 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 plan includes a biennial PI&R inspection and a triennial fire protection inspection. The inspections in the last nine 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), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

J. Davis

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The NRC is currently evaluating the scope and frequency of all the baseline inspection procedures. If the results of the evaluation, or any other circumstances, 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/**

Christine A. Lipa, Chief,  
Branch 4  
Division of Reactor Projects

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

Enclosure:  
Fermi Inspection/Activity Plan

DISTRIBUTION:  
See next page

J. Davis

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Sincerely,

**/RA/**

Christine A. Lipa, Chief,  
Branch 4  
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Letter to J. Davis from C. Lipa dated August 31, 2007

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

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  
Waste and Hazardous Materials Division  
M. Yudasz, Jr., Director, Monroe County  
Emergency Management Division  
Supervisor - Electric Operators  
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  
INPO

Letter to J. Davis from C. Lipa dated August 31, 2007

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FERMI POWER PLANT, UNIT 2

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**Fermi**  
**Inspection / Activity Plan**  
**09/01/2007 - 12/31/2008**

Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	End	Inspection Type
<b>BI PI&amp;R - BIENNIAL PI&amp;R INSPECTION</b>		<b>4</b>			
IP 71152B	Identification and Resolution of Problems		08/27/2007	09/14/2007	Baseline Inspections
<b>BI ENG - ENGINEERING INSERVICE INSPECTION</b>		<b>1</b>			
IP 7111108G	Inservice Inspection Activities - BWR		10/01/2007	10/05/2007	Baseline Inspections
<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>			
IP 7112101	Access Control to Radiologically Significant Areas		10/15/2007	10/19/2007	Baseline Inspections
IP 7112102	ALARA Planning and Controls		10/15/2007	10/19/2007	Baseline Inspections
<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>			
IP 7112202	Radioactive Material Processing and Transportation		12/03/2007	12/14/2007	Baseline Inspections
<b>BI OL - BIENNIAL REQUAL. PROGRAM INSPECTION</b>		<b>2</b>			
IP 7111111B	Licensed Operator Requalification Program		12/17/2007	12/21/2007	Baseline Inspections
<b>OL EXAM - FERMI INIT PREP 06/2007</b>		<b>3</b>			
W90161	OL - INITIAL EXAM - FERMI 2 - JUN/JUL 2007		01/07/2008	01/11/2008	Not Applicable
<b>OL EXAM - FERMI INIT EXAM 01/2008</b>		<b>3</b>			
W90161	OL - INITIAL EXAM - FERMI 2 - JUN/JUL 2007		01/21/2008	01/25/2008	Not Applicable
<b>BI ENG - ENGINEERING MODIFICATIONS / 50.59 INSP.</b>		<b>2</b>			
IP 7111102	Evaluation of Changes, Tests, or Experiments		02/11/2008	02/29/2008	Baseline Inspections
IP 7111117B	Permanent Plant Modifications		02/11/2008	02/29/2008	Baseline Inspections
<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>			
IP 7112101	Access Control to Radiologically Significant Areas		02/25/2008	02/29/2008	Baseline Inspections
IP 71151-OR01	Occupational Exposure Control Effectiveness		02/25/2008	02/29/2008	Baseline Inspections
<b>BI ENG - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>3</b>			
IP 7111105T	Fire Protection [Triennial]		04/21/2008	05/09/2008	Baseline Inspections
<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>			
IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		04/28/2008	05/02/2008	Baseline Inspections
IP 71151-BI01	Reactor Coolant System Activity		04/28/2008	05/02/2008	Baseline Inspections
<b>BI EP - EP EXERCISE INSPECTION / PI VERIFICATION</b>		<b>3</b>			
IP 7111401	Exercise Evaluation		05/19/2008	05/23/2008	Baseline Inspections
IP 71151-EP01	Drill/Exercise Performance		05/19/2008	05/23/2008	Baseline Inspections
IP 71151-EP02	ERO Drill Participation		05/19/2008	05/23/2008	Baseline Inspections
IP 71151-EP03	Alert & Notification System		05/19/2008	05/23/2008	Baseline Inspections
<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>			
IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		06/23/2008	06/27/2008	Baseline Inspections
IP 71151-PR01	RETS/ODCM Radiological Effluent		06/23/2008	06/27/2008	Baseline Inspections

**Fermi**  
**Inspection / Activity Plan**  
**09/01/2007 - 12/31/2008**

Inspection Activity	Title	No. of Staff on Site	Planned Dates Start      End		Inspection Type
BI RP IP 7112201	- RADIATION PROTECTION BASELINE INSPECTION Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems	1	09/15/2008	09/19/2008	Baseline Inspections