

August 30, 2005

Mr. William O'Connor, Jr.  
Vice President  
Nuclear Generation  
The Detroit Edison Company  
6400 North Dixie Highway  
Newport, MI 48166

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

Dear Mr. O'Connor:

On August 9, 2005, the NRC staff completed its performance review of the Fermi Power Plant for the first half of the calendar year 2005 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 physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in Accordance with 10 CFR 2.390" will include the physical protection review and a resultant inspection plan.

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 only reactor oversight process (ROP) baseline inspections at your facility through March 31, 2007.

In our Annual Assessment Letter dated March 2, 2005, we advised you of a cross-cutting human performance issue in the personnel area. During this assessment period, the staff continued to identify findings with cross-cutting aspects in the area of human performance. In the past six months, inspectors identified seven Green findings where human performance was inadequate. One was attributed to organization, and six were attributed to inadequate personnel performance. Five of these findings were in the reactor safety strategic performance area, three in the mitigating systems cornerstone, and two in the emergency preparedness cornerstone; and one other finding in the public radiation safety cornerstone. The finding attributed to human performance organization was in the emergency preparedness cornerstone. Therefore, the staff has concluded that the area of human performance continues to be a substantive cross-cutting issue.

In response to the identification of human performance deficiencies, you have performed several immediate corrective actions. Additionally, you have planned several long-term corrective actions. You are requested to provide us with a letter, within 30 days of the receipt of this letter, which details the actions you have taken to date to address this long-standing substantive cross-cutting issue as well as your future planned actions with your implementation schedule.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2007. Significant inspections planned for this year include the Biennial Problem Identification and Resolution Inspection in October 2005, a Biennial Safety System Design and Performance Inspection in November 2005 and an Initial Operator Exam in February 2006. The inspection plan is provided to minimize the resource impact on your staff and 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 nine months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting.

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 Eric Duncan at (630) 829-9628 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

***/RA by R. Lerch Acting for/***

Eric R. Duncan, Chief  
Reactor Projects Branch 6  
Division of Reactor Projects

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

Enclosure: Fermi Power Plant Inspection/ Activity Plan

See Attached Distribution

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cc w/encl: N. Peterson, Manager, Nuclear Licensing  
D. Pettinari, Legal Department  
Compliance Supervisor  
G. White, Michigan Public Service Commission  
L. Brandon, Michigan Department of Environmental Quality -  
Waste and Hazardous Materials Division  
Monroe County, Emergency Management Division  
Planning Manager, Emergency Management Division  
MI Department of State Police  
Chair, Wayne County Board of Commissioners  
Wayne County Sheriff  
Director, Wayne County Emergency  
Management Agency  
Mayor of Flat Rock  
Mayor of Gibraltar  
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**Fermi**  
**Inspection / Activity Plan**  
**09/01/2005 - 03/31/2007**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>PI&amp;R</b>	<b>- PROBLEM IDENTIFICATION AND RESOLUTION</b>	<b>4</b>			
2	IP 71152B	Identification and Resolution of Problems		10/17/2005	11/04/2005	Baseline Inspections
	<b>71111.11</b>	<b>- LIC OPERATOR REQUAL PROGRAM EVALUATION</b>	<b>2</b>			
2	IP 7111111B	Licensed Operator Requalification Program		10/24/2005	10/28/2005	Baseline Inspections
	<b>SSDPC</b>	<b>- SAFETY SYSTEM DESIGN &amp; PERFORMANCE</b>	<b>6</b>			
2	IP 7111121	Safety System Design and Performance Capability		11/14/2005	12/02/2005	Baseline Inspections
	<b>71121.02</b>	<b>- NON-OUTAGE ALARA</b>	<b>1</b>			
2	IP 7112102	ALARA Planning and Controls		12/05/2005	12/09/2005	Baseline Inspections
2	IP 71151	Performance Indicator Verification		12/05/2005	12/09/2005	Baseline Inspections
	<b>MAINT</b>	<b>- MAINTENANCE EFFECTIVENESS</b>	<b>1</b>			
2	IP 711112B	Maintenance Effectiveness		01/09/2006	01/13/2006	Baseline Inspections
	<b>FY 2006</b>	<b>- FERMI INIT PREP 01/2006</b>	<b>3</b>			
2	W90145	FERMI - JAN/FEB 2006		01/23/2006	01/27/2006	Not Applicable
	<b>FY 2006</b>	<b>- FERMI INIT EXAM 02/03/2006</b>	<b>3</b>			
2	W90145	FERMI - JAN/FEB 2006		02/20/2006	03/03/2006	Not Applicable
	<b>ISI</b>	<b>- FERMI ISI INSPECTION</b>	<b>1</b>			
2	IP 7111108G	Inservice Inspection Activities - BWR		03/13/2006	03/17/2006	Baseline Inspections
	<b>7112102</b>	<b>- ALARA OUTAGE INSP</b>	<b>2</b>			
2	IP 7112102	ALARA Planning and Controls		03/27/2006	03/31/2006	Baseline Inspections
	<b>7111401</b>	<b>- EP EXERCISE BASELINE</b>	<b>2</b>			
2	IP 7111401	Exercise Evaluation		06/05/2006	06/09/2006	Baseline Inspections
2	IP 71151	Performance Indicator Verification		06/05/2006	06/09/2006	Baseline Inspections
	<b>7112101</b>	<b>- RADIOLOGICAL ACCESS CONTROL</b>	<b>2</b>			
2	IP 7112101	Access Control to Radiologically Significant Areas		06/19/2006	06/23/2006	Baseline Inspections
2	IP 71151	Performance Indicator Verification		06/19/2006	06/23/2006	Baseline Inspections
	<b>MOD/5059</b>	<b>- MODIFICATION/50.59 INSPECTIONS</b>	<b>2</b>			
2	IP 7111102	Evaluation of Changes, Tests, or Experiments		07/24/2006	08/11/2006	Baseline Inspections
2	IP 711117B	Permanent Plant Modifications		07/24/2006	08/11/2006	Baseline Inspections
	<b>7112101</b>	<b>- RADIOLOGICAL ACCESS CONTROL</b>	<b>1</b>			
2	IP 7112101	Access Control to Radiologically Significant Areas		07/24/2006	07/28/2006	Baseline Inspections
2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		07/24/2006	07/28/2006	Baseline Inspections
	<b>7112201</b>	<b>- EFFLUENTS</b>	<b>1</b>			
2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		11/27/2006	12/01/2006	Baseline Inspections
2	IP 71151	Performance Indicator Verification		11/27/2006	12/01/2006	Baseline Inspections

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

Fermi  
Inspection / Activity Plan  
09/01/2005 - 03/31/2007

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
<b>7112103 - INSTRUMENTATION &amp; ACCESS CONTROL</b>			<b>1</b>			
2	IP 7112101	Access Control to Radiologically Significant Areas		03/12/2007	03/16/2007	Baseline Inspections
2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		03/12/2007	03/16/2007	Baseline Inspections

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This report shows only on-site and announced inspection procedures.