

March 3, 2008

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: ANNUAL ASSESSMENT LETTER - FERMI POWER PLANT, UNIT 2  
(05000341/2008001)

Dear Mr. Davis:

On February 12, 2008, 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 January 1 through December 31, 2007. 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.

Overall, Fermi Power Plant, Unit 2 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, 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 substantive cross-cutting issue in the area of Human Performance. There were 14 inspection findings in the cross-cutting area of human performance. Five of these findings share a common crosscutting aspect of procedural adequacy (H.2(c)). Five other findings share a common cross-cutting aspect of procedural adherence (H.4(b)). These finding aspects have common themes of inadequate work instructions and improper work practices leading to failure to follow procedures and are of concern to the NRC. Since corrective actions were recently initiated, the progress on resolving these issues is not sufficient to evaluate their effectiveness. The NRC is monitoring the initial implementation of these actions and will evaluate their effectiveness throughout the next assessment period. This substantive cross-cutting issue will remain open until the number of findings with the same cross-cutting aspect is reduced or when the NRC gains confidence in the effectiveness of the actions taken to address Human Performance deficiencies at Fermi.

The enclosed inspection plan details the inspections, including baseline and other infrequently conducted inspections, less those related to security, scheduled through June 30, 2009. 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 nine months of the inspection plan are tentative and may be revised at the mid-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 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).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact Christine Lipa at 630-829-9619 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

***/RA by Gary L. Shear for/***

Cynthia D. Pederson, Director  
Division of Reactor Projects

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

Enclosure: Fermi Inspection/Activity Plan

DISTRIBUTION:  
See next page

Letter to J. Davis from C. Pederson dated March 3, 2008

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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. Yudas, Jr., 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  
INPO

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Sincerely,

Cynthia D. Pederson, Director  
Division of Reactor Projects

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ROPreports@nrc.gov (inspection reports, final SDP letters, any letter with an IR number)

**Fermi**  
**Inspection / Activity Plan**  
**03/01/2008 - 06/30/2009**

Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
			Start	End	
<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 ENG - FIRE PROTECTION INFO GATHERING TRIP</b>		<b>3</b>			
IP 7111105T	Fire Protection [Triennial]		04/07/2008	04/11/2008	Baseline Inspections
<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>			
IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program		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	EP Baseline Inspection
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
<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>			
IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		09/15/2008	09/19/2008	Baseline Inspections
<b>ISFSI - PAD CONSTRUCTION</b>		<b>1</b>			
IP 60856.1	Review of 10 CFR 72.212(b) Evaluations at Operating Plants		09/30/2008	12/31/2008	Other Routine
<b>2515/171 - TI 2515/171 B5B PHASE 2 AND 3</b>		<b>2</b>			
IP 2515/171	VERIFICATION OF SITE SPECIFIC IMPLEMENTATION OF B.5.B PHASE 2 & 3 MITIGATING STRATEGIES		10/20/2008	10/24/2008	Generic Safety Inspectio
<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>			
IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		01/26/2009	01/30/2009	Baseline Inspections
<b>BI EP - EP ROUTINE INSPECTION / PI VERIFICATION</b>		<b>1</b>			
IP 7111402	Alert and Notification System Testing		02/09/2009	02/13/2009	EP Baseline Inspection
IP 7111403	Emergency Response Organization Augmentation Testing		02/09/2009	02/13/2009	EP Baseline Inspection
IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		02/09/2009	02/13/2009	EP Baseline Inspection
IP 71151-EP01	Drill/Exercise Performance		02/09/2009	02/13/2009	Baseline Inspections
IP 71151-EP02	ERO Drill Participation		02/09/2009	02/13/2009	Baseline Inspections
IP 71151-EP03	Alert & Notification System		02/09/2009	02/13/2009	Baseline Inspections
<b>OL EXAM - OPERATOR LICENSING EXAM</b>		<b>3</b>			
W90197	OL - INITIAL EXAM - MARCH 2009 - FERM		02/16/2009	02/20/2009	Not Applicable
W90197	OL - INITIAL EXAM - MARCH 2009 - FERM		03/09/2009	03/20/2009	Not Applicable
<b>BI ENG - ENGINEERING INSERVICE INSPECTION</b>		<b>1</b>			
IP 7111108G	Inservice Inspection Activities - BWR		03/30/2009	04/24/2009	Baseline Inspections

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**Inspection / Activity Plan**  
**03/01/2008 - 06/30/2009**

Inspection Activity	Title	No. of Staff on Site	Planned Dates Start      End		Inspection Type
<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>			
IP 7112101	Access Control to Radiologically Significant Areas		04/06/2009	04/10/2009	Baseline Inspections
IP 7112102	ALARA Planning and Controls		04/06/2009	04/10/2009	Baseline Inspections
<b>BI ENG - ENGINEERING MODIFICATIONS / 50.59 INSP.</b>		<b>3</b>			
IP 711117B	Evaluations of Changes, Tests, or Experiments & Permanent Plant Modifications		06/01/2009	06/19/2009	Baseline Inspections