



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

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

Dear Mr. Davis:

On August 14, 2008, the NRC staff completed its performance review of the Fermi Power Plant, Unit 2, for the first half of the calendar year 2008 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 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.

In our 2007 end-of-cycle assessment letter, dated March 3, 2008, (ADAMS Ref. ML080600499) we advised you of a substantive cross-cutting issue in the area of Human Performance, based on the number of findings with a common cross-cutting aspect of procedural adequacy (H.2(c)) and procedural adherence (H.4(b)). During this period, the number of findings with the same cross-cutting aspects was not reduced and our substantive cross-cutting issue criteria in IMC 0305 were met. You have initiated actions to improve performance, however, the scope and progress of your efforts in addressing the cross-cutting performance deficiencies has not been sufficient to provide adequate confidence in your effectiveness in resolving this issue. Therefore, this cross-cutting issue will remain open until the NRC gains confidence in your efforts and progress in addressing human performance errors. In addition, because you have a substantive cross-cutting issue in the area of Human Performance for two consecutive assessment cycles, we are requesting that you provide a written response to the issue to include a discussion of your actions undertaken, those actions planned to address the concern, and a current assessment of performance. This response should be sent to the NRC within

30 days of receipt of this letter. As an alternative to a written response, should you want to meet with us to discuss human performance at Fermi 2, a public meeting will be accommodated at an agreed upon time and location.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through December 31, 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 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 this inspection plan, we will contact you to discuss the change as soon as possible. Please contact Ross Telson at 630-829-9619 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

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 September 2, 2008

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
M. Yudasz, 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
G. Mortensen, INPO

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Cynthia D. Pederson, Director
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OFFICE	RIII		RIII		RIII				
NAME	RLerch:ntp		RTelson		CPederson				
DATE	08/26/08		08/27/08		08/29/08				

OFFICIAL RECORD COPY

Letter to J. Davis from C. Pederson dated September 2, 2008

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FERMI POWER PLANT, UNIT 2

DISTRIBUTION:

Tamara Bloomer

RidsNrrDorLpI3-1

RidsNrrPMFerm2 Resource

RidsNrrDirslpab Resource

James Caldwell

Mark Satorius

Jared Heck

Kenneth Obrien

Allan Barker

DRPIII

DRSIII

Patricia Buckley

Tammy Tomczak

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

Fermi
Inspection / Activity Plan
09/01/2008 - 12/31/2009

Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
BI RP - RADIATION PROTECTION BASELINE INSPECTION		1			
IP 7112101	Access Control to Radiologically Significant Areas		09/15/2008	09/19/2008	Baseline Inspections
IP 71151-BI01	Reactor Coolant System Activity		09/15/2008	09/19/2008	Baseline Inspections
IP 71151-OR01	Occupational Exposure Control Effectiveness		09/15/2008	09/19/2008	Baseline Inspections
IP 71151-PR01	RETS/ODCM Radiological Effluent		09/15/2008	09/19/2008	Baseline Inspections
ISFSI - PAD CONSTRUCTION		1			
IP 60856.1	Review of 10 CFR 72.212(b) Evaluations at Operating Plants		09/30/2008	12/31/2008	Other Routine
TI - TEMPORARY INSTRUCTION 2515/171		2			
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
BI RP - RADIATION PROTECTION BASELINE INSPECTION		1			
IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative		02/09/2009	02/20/2009	Generic Safety Inspectio
IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		02/09/2009	02/20/2009	Baseline Inspections
BI EP - EP ROUTINE INSPECTION / PI VERIFICATION		1			
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
FY 2009 - FERMI INITIAL PREP 02/2009		3			
W90197	OL - INITIAL EXAM - MARCH 2009 - FERM		02/16/2009	02/20/2009	Not Applicable
OL EXAM - FERMI INITIAL LICENSE EXAMINATION		3			
W90197	OL - INITIAL EXAM - MARCH 2009 - FERM		03/09/2009	03/20/2009	Not Applicable
BI ENG - ENGINEERING INSERVICE INSPECTION		2			
IP 7111108G	Inservice Inspection Activities - BWR		04/06/2009	04/10/2009	Baseline Inspections
BI RP - RADIATION PROTECTION BASELINE INSPECTION		2			
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
ISFSI - ISFSI - DESIGN AND PAD CONSTRUCTION		1			
IP 60853	On-Site Fabrication Of Components And Construction On An ISFSI		04/01/2009	09/30/2009	Other Routine
IP 60856	Review of 10 CFR 72.212(b) Evaluations		04/01/2009	09/30/2009	Other Routine
BI ENG - ENGINEERING MODIFICATIONS / 50.59 INSP.		3			
IP 7111117B	Evaluations of Changes, Tests, or Experiments & Permanent Plant Modifications		06/01/2009	06/19/2009	Baseline Inspections
BI ENG - TRIENNIAL HEAT SINK INSPECTION		1			
IP 7111107B	Heat Sink Performance		07/13/2009	07/17/2009	Baseline Inspections

Fermi
Inspection / Activity Plan
09/01/2008 - 12/31/2009

Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
BI PI&R	- BIENNIAL PI&R INSPECTION	4			
IP 71152B	Identification and Resolution of Problems		09/21/2009	10/09/2009	Baseline Inspections
BI RP	- RADIATION PROTECTION BASELINE INSPECTION	1			
IP 7112101	Access Control to Radiologically Significant Areas		09/14/2009	09/18/2009	Baseline Inspections
IP 7112102	ALARA Planning and Controls		09/14/2009	09/18/2009	Baseline Inspections
IP 71151-BI01	Reactor Coolant System Activity		09/14/2009	09/18/2009	Baseline Inspections
IP 71151-OR01	Occupational Exposure Control Effectiveness		09/14/2009	09/18/2009	Baseline Inspections
IP 71151-PR01	RETS/ODCM Radiological Effluent		09/14/2009	09/18/2009	Baseline Inspections
BI RP	- RADIATION PROTECTION BASELINE INSPECTION	1			
IP 7112202	Radioactive Material Processing and Transportation		11/02/2009	11/06/2009	Baseline Inspections
BI OL	- BIENNIAL REQUAL. PROGRAM INSPECTION	2			
IP 7111111B	Licensed Operator Requalification Program		12/14/2009	12/18/2009	Baseline Inspections