



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

March 5, 2012

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 FOR FERMI NUCLEAR POWER
PLANT UNIT 2 (REPORT 05000341/2011007)**

Dear Mr. Davis:

On February 15, 2012, the NRC completed its end-of-cycle performance review of the Fermi Power Plant, Unit 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2011, through December 31, 2011. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

The NRC determined the performance at Fermi Power Plant, Unit 2, during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through June 30, 2013. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last 9 months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues.

The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. We also plan on performing special and infrequently performed inspections: Temporary Instruction (TI) 2515/177, "Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal, and Containment Spray Systems," TI 2515/182 Phase I, "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks," Inspection Procedure (IP) 60854.1, "Preoperational Testing of Independent Spent Fuel Storage Installation (ISFSI) at Operating Plants," IP 60855.1, "Operation of an ISFSI at Operating Plants," IP 92709, "Licensee Strike Contingency Plans," IP 71111.17, "Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications," IP 71111.21, "Component Design Basis Inspection," and IP 71114.01, "Exercise Evaluation."

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter 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). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at 630-829-9833 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Jamnes L. Cameron, Chief
Branch 6
Division of Reactor Projects

Docket No. 50-341 and 072-071
License No. NPF-43

Enclosure: Fermi 2 Inspection/Activity Plan

cc w/encl: Distribution via ListServ

Fermi
Inspection / Activity Plan
01/01/2012 - 06/30/2013

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		BI MODS - TRIENNIAL PERM MODS / 50.59		3
01/16/2012	02/03/2012	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
		TI-182 - TI-2515/182 PHASE I - BURIED PIPING		1
02/13/2012	02/15/2012	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		2
02/13/2012	02/17/2012	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
02/13/2012	02/17/2012	IP 71124.07	Radiological Environmental Monitoring Program	
		OL PREP - FERMI 2 INIT PREP 02/2012		3
02/27/2012	03/02/2012	W90230	OL - INITIAL EXAM - 2012 MAR - FERM	
		ISFSI - ISFSI INSPECTION - SCHEDULE DEPENDENT		2
03/01/2012	05/31/2012	IP 60854.1	Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants	
05/01/2012	07/31/2012	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
		OL EXAM - FERMI 2 INITIAL EXAM - 03/2012		3
03/19/2012	03/23/2012	W90230	OL - INITIAL EXAM - 2012 MAR - FERM	
		BI ISI - INSERVICE INSPECTION		1
03/24/2012	04/12/2012	IP 7111108G	Inservice Inspection Activities - BWR	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		2
04/02/2012	04/06/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
		INSP - OPESS FY2007-03 CRANE & HEAVY LIFT INSP		1
05/07/2012	05/25/2012	IP 7111120	Refueling and Other Outage Activities	
		TI-177 - TI-2515/177 - GAS VOIDING IN ECCS PIPING		1
05/21/2012	06/08/2012	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
		BI EPX - EP EXERCISE INSPECTION / PI VERIFICATION		2
08/20/2012	08/24/2012	IP 7111401	Exercise Evaluation	
08/20/2012	08/24/2012	IP 71151	Performance Indicator Verification	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		2
09/10/2012	09/14/2012	IP 71124.02	Occupational ALARA Planning and Controls	
09/10/2012	09/14/2012	IP 71151-BI01	Reactor Coolant System Activity	
09/10/2012	09/14/2012	IP 71151-OR01	Occupational Exposure Control Effectiveness	
09/10/2012	09/14/2012	IP 71151-PR01	RETS/ODCM Radiological Effluent	
		BI OLRQ - REQUALIFICATION PROGRAM INSPECTION		1
10/01/2012	10/05/2012	IP 7111111A	Licensed Operator Requalification Program - Annual Review	

Fermi
Inspection / Activity Plan
01/01/2012 - 06/30/2013

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		ISFSI - ISFSI INSPECTION - SCHEDULE DEPENDENT		2
02/01/2013	04/30/2013	IP 60854.1	Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
01/28/2013	02/01/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
		INSP - BUILDING STRUCTURE MODS TO SUPPORT ISFSI		2
02/11/2013	04/19/2013	IP 7111118	Plant Modifications	
		BI HS - TRIENNIAL HEAT SINK INSPECTION		2
03/18/2013	03/22/2013	IP 7111107T	Heat Sink Performance	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
03/25/2013	03/29/2013	IP 71124.05	Radiation Monitoring Instrumentation	
		ISFSI - ISFSI INSPECTION - SCHEDULE DEPENDENT		1
05/01/2013	08/31/2013	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
		STRIKE - STRIKE CONTINGENCY - OP/MAINT/RP		2
05/06/2013	06/06/2013	IP 92709	Licensee Strike Contingency Plans	
		BI EPR - EP ROUTINE INSPECTION / PI VERIFICATION		2
06/24/2013	06/28/2013	IP 7111402	Alert and Notification System Testing	
06/24/2013	06/28/2013	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
06/24/2013	06/28/2013	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
06/24/2013	06/28/2013	IP 71151	Performance Indicator Verification	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
06/10/2013	06/14/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
06/10/2013	06/14/2013	IP 71124.04	Occupational Dose Assessment	

J. Davis

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Letter to J. Davis from J. Cameron dated March 5, 2012.

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PLANT UNIT 2 (REPORT 05000341/2011007)

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