



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

September 1, 2011

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 LETTER FOR FERMI POWER PLANT, UNIT 2;
05000341/2011-006**

Dear Mr. Davis:

On August 10, 2011, the NRC completed its mid-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 July 1, 2010, through June 30, 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 December 31, 2012. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-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: Inspection Procedure (IP) 60854.1, "Preoperational Testing of Independent Spent Fuel Storage Installation (ISFSI) at Operating Plants" and IP 60855.1, "Operation of an ISFSI at Operating Plants."

In the days following the Fukushima Daiichi nuclear accident in Japan, the Commission directed the staff to establish a senior-level agency task force to conduct a methodical and systematic review of the NRC's processes and regulations to determine whether the agency should make additional improvements to its regulatory system. The NRC has since completed Temporary Instruction (TI) 183, "Follow-up to Fukushima Daiichi Nuclear Station Fuel Damage Event," and TI-184, "Availability and Readiness Inspection of Severe Accident Management Guidelines (SAMGs)" at your facility. Results of these inspections can be found here: <http://www.nrc.gov/japan/japan-activities.html>. Additionally, on May 11, 2011, the agency issued NRC Bulletin 2011-01, "Mitigating Strategies," to confirm compliance with Order EA-02-026, subsequently imposed license conditions, and 10 CFR 50.54(hh)(2), and to determine the status of licensee mitigating strategies programs. On July 12, 2011, the NRC's Task Force made its recommendations to the Commission in its report, "Recommendations for Enhancing Reactor Safety in the 21st Century: The Near-Term Task Force Review of Insights from the Fukushima Daiichi Accident." The NRC is currently reviewing the Task Force's recommendations to determine what additional actions may be warranted.

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 630-829-9619 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

John B. Giessner, Chief
Branch 4
Division of Reactor Projects

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

Enclosure: Fermi 2 Inspection/Activity Plan

cc w/encl: Distribution via ListServ

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Letter to J. Davis from J. Giessner dated September 1, 2011.

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05000341/2011-006

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Fermi
Inspection / Activity Plan
09/01/2011 - 12/31/2012

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		BI PI&R - BIENNIAL PI&R INSPECTION		5
09/19/2011	10/07/2011	IP 71152B	Problem Identification and Resolution	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
08/29/2011	09/02/2011	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
		INSP - PI&R ISSUE FLWUP 1 SAMPLE-DRYWELL STRUCT		1
10/31/2011	11/04/2011	IP 71152	Problem Identification and Resolution	
		BI OLRQ - BIENNIAL REQUAL PROGRAM EVAL		2
10/31/2011	11/04/2011	IP 7111111B	Licensed Operator Requalification Program	
		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	
		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	03/30/2012	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		1
04/02/2012	04/06/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
04/02/2012	04/06/2012	IP 71124.02	Occupational ALARA Planning and Controls	
		INSP - OPESS FY2007-03 CRANE & HEAVY LIFT INSP		1
05/07/2012	05/25/2012	IP 7111120	Refueling and Other Outage Activities	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
05/14/2012	05/18/2012	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
		TI-177 - TI-2515/177 - GAS VOIDING IN ECCS PIPING		2
05/14/2012	06/01/2012	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		1
09/10/2012	09/14/2012	IP 71124.02	Occupational ALARA Planning and Controls	

Fermi
Inspection / Activity Plan
09/01/2011 - 12/31/2012

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
09/10/2012	09/14/2012	IP 71151	Performance Indicator Verification	
		BI HS - TRIENNIAL HEAT SINK INSPECTION		2
09/17/2012	09/21/2012	IP 7111107T	Heat Sink Performance	
		BI RP - RADIATION PROTECTION BASELINE INSPECTION		1
11/26/2012	11/30/2012	IP 71124.05	Radiation Monitoring Instrumentation	