



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

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

August 28, 2017

Mr. Paul Fessler, Senior VP  
and Chief Nuclear Officer  
DTE Energy Company  
Fermi 2 – 210 NOC  
6400 North Dixie Highway  
Newport, MI 48166

**SUBJECT: UPDATED INSPECTION PLAN FOR FERMI POWER PLANT, UNIT 2  
(REPORT 05000341/2017005)**

Dear Mr. Fessler:

The enclosed inspection plan lists the inspections scheduled through June 30, 2019 for Fermi Power Plant. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include the plan for security-related inspections, which will be sent via separate, non-publicly available correspondence.

The NRC staff completed Temporary Instruction 2515/191, "Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans" at Fermi Power Plant, Unit 2 on January 27, 2017, to confirm full implementation of orders Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events" and Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation." The results of the inspection can be found in inspection report 05000341/2017008.

This letter and its enclosure will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Please contact me at 630-829-9827 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Billy Dickson, Chief  
Branch 2  
Division of Reactor Projects

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

Enclosure:  
Inspection Plan

cc: Distribution via LISTSERV®

Letter to Paul Fessler from Billy Dickson dated August 28, 2017

SUBJECT: UPDATED INSPECTION PLAN FOR FERMI POWER PLANT, UNIT 2  
(REPORT 05000341/2017005)

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DRPIII  
DRSIII  
[ROPAssessment.Resource@nrc.gov](mailto:ROPAssessment.Resource@nrc.gov)

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OFFICE	RIII						
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DATE	08/28/2017						

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**Fermi**  
**Inspection / Activity Plan**  
**09/01/2017 - 06/30/2019**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>BI FIRE - TRIENNIAL FIRE PROTECTION AND BAG TRIP</b>		<b>3</b>
2	08/14/2017	09/15/2017	IP 7111105T	Fire Protection [Triennial]	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
2	10/16/2017	10/20/2017	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
2	10/16/2017	10/20/2017	IP 71151	Performance Indicator Verification	
			<b>BI EP - EP BASELINE INSPECTION/ PI VERIFICATION</b>		<b>1</b>
2	10/23/2017	10/27/2017	IP 7111402	Alert and Notification System Testing	
2	10/23/2017	10/27/2017	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
2	10/23/2017	10/27/2017	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
2	10/23/2017	10/27/2017	IP 71151	Performance Indicator Verification	
			<b>OL-RQ - BIENNIAL REQUAL PROGRAM INSPECTION</b>		<b>4</b>
2	10/30/2017	11/03/2017	IP 7111111B	Licensed Operator Requalification Program	
			<b>OL PREP - INITIAL PREP JAN 2018</b>		<b>3</b>
2	01/29/2018	02/02/2018	W90373	OL - INITIAL EXAM - 2018 JAN-FEB - FERMI 2	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
2	02/05/2018	02/09/2018	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>OL EXAM - INITIAL EXAM FEB 2018</b>		<b>3</b>
2	02/25/2018	03/02/2018	W90373	OL - INITIAL EXAM - 2018 JAN-FEB - FERMI 2	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
2	04/02/2018	04/06/2018	IP 71124.02	Occupational ALARA Planning and Controls	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
2	07/23/2018	07/27/2018	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
2	07/23/2018	07/27/2018	IP 71124.04	Occupational Dose Assessment	
			<b>ISI - INSERVICE INSPECTION</b>		<b>1</b>
2	09/22/2018	10/21/2018	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
2	10/01/2018	10/05/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
2	10/01/2018	10/05/2018	IP 71124.02	Occupational ALARA Planning and Controls	
			<b>EP - EP EXERCISE/PI VERIFICATION</b>		<b>2</b>
2	10/29/2018	11/02/2018	IP 7111401	Exercise Evaluation	
2	10/29/2018	11/02/2018	IP 7111406	Drill Evaluation	
2	10/29/2018	11/02/2018	IP 7111408	Exercise Evaluation – Scenario Review	
2	10/29/2018	11/02/2018	IP 71151	Performance Indicator Verification	

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

**Fermi**  
**Inspection / Activity Plan**  
**09/01/2017 - 06/30/2019**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>BI 50.59 - TRIENNIAL 50.59 INSPECTION</b>		<b>3</b>
2	12/10/2018	12/14/2018	IP 7111117T	Evaluations of Changes, Tests, and Experiments	
			<b>BI 50.59 - TRIENNIAL 50.59 INSPECTION</b>		<b>3</b>
2	03/25/2019	03/29/2019	IP 7111117T	Evaluations of Changes, Tests, and Experiments	
			<b>ISFSI - ISFSI CASK LOADING INSPECTION</b>		<b>1</b>
2	04/01/2019	07/01/2019	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			<b>BI ENG - DBA TEAM</b>		<b>4</b>
2	05/06/2019	05/24/2019	IP 7111121M	Design Bases Assurance Inspection (Teams)	
			<b>OL PREP - INITIAL PREP MAY/JUNE 2019</b>		<b>4</b>
2	05/13/2019	05/17/2019	W90387	OL - INITIAL EXAM - 2019 - MAR-SEPT - FERMI 2	
			<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>2</b>
2	05/20/2019	05/24/2019	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
2	05/20/2019	05/24/2019	IP 71124.07	Radiological Environmental Monitoring Program	
			<b>BI PI&amp;R - BIENNIAL PI&amp;R INSPECTION</b>		<b>4</b>
2	06/10/2019	06/28/2019	IP 71152B	Problem Identification and Resolution	
			<b>OL EXAM - INITIAL EXAM MAY/JUNE 2019</b>		<b>4</b>
2	06/17/2019	06/28/2019	W90387	OL - INITIAL EXAM - 2019 - MAR-SEPT - FERMI 2	

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