



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

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

March 2, 2018

Mr. Keith Polson  
Senior Vice President and  
Chief Nuclear Officer  
DTE Energy Company  
Fermi 2 – 260 TAC  
6400 North Dixie Highway  
Newport, MI 48166

SUBJECT: ANNUAL ASSESSMENT LETTER FOR FERMI POWER PLANT, UNIT 2;  
REPORT 05000341/2017006

Dear Mr. Polson:

The NRC has completed its end-of-cycle performance assessment of your Fermi Power Plant, Unit 2, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2017 through December 31, 2017. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. The NRC concluded that overall performance at your facility preserved public health and safety.

The NRC determined the performance at your Fermi Power Plant, Unit 2 during the most recent quarter was within the Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix. This conclusion was based on a single inspection finding having low-to-moderate safety significance (i.e., White) in the Emergency Preparedness Cornerstone originating in the first quarter of 2017 associated with your failure to maintain the effectiveness of the site's emergency plan (Inspection Report 05000341/2017011), and all PIs within the expected range (i.e., Green)." On December 29, 2017, the NRC issued supplemental (95001) Inspection Report 05000341/2017502 and assessment follow-up letter which concluded that your actions in response to the White finding were adequate. Hence, the White finding was only be considered in assessing plant performance for a total of four quarters. As a result, the NRC determined the performance at Fermi Power Plant, Unit 2, to be in the Licensee Response Column of the Reactor Oversight Process Action Matrix as of January 1, 2018.

The enclosed inspection plan lists the inspections scheduled through December 31, 2019. This updated inspection plan now includes planned security inspections which were formerly transmitted under separate correspondence. 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 12 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.

The enclosed inspection plan includes, among other inspections, a triennial 50.59 Inspection in December 2018 conducted in accordance with inspection procedure (IP) 71111.17T, "Evaluations of Changes, Tests and Experiments."

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 Billy Dickson at 630-928-9827 with any questions you have regarding this letter.

Sincerely,

***/RA Julio Lara Acting for/***

Patrick Loudon, Director  
Division of Reactor Projects

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

Enclosure:  
Inspection Plan

cc: Distribution via LISTSERV®

Letter Keith Polson from Patrick Louden dated March 2, 2018

SUBJECT: ANNUAL ASSESSMENT LETTER FOR FERMI POWER PLANT, UNIT 2  
REPORT 05000341/2017006

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OFFICE	RIII	RIII	RIII	
NAME	JJandovitz:lg	BDickson	JLara for PLouden	
DATE	2/23/2018	2/27/2018	2/27/2018	

**OFFICIAL RECORD COPY**

# IP 22 Inspection Activity Plan Report

## Fermi

03/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>INITIAL EXAM FEB 2018</b>						3
2	02/25/2018	03/02/2018	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>SECURITY BASELINE INSPECTION</b>						1
2	03/05/2018	03/09/2018	IP 71130.01	000733	Access Authorization	
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						1
2	04/02/2018	04/06/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
<b>SECURITY BASELINE INSPECTION</b>						1
2	04/16/2018	04/20/2018	IP 71130.02	000734	Access Control	
2	04/16/2018	04/20/2018	IP 71151	001338	Performance Indicator Verification	
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						1
2	07/09/2018	07/13/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
2	07/09/2018	07/13/2018	IP 71124.04	000728	Occupational Dose Assessment	
<b>SECURITY BASELINE INSPECTION</b>						2
2	08/13/2018	08/17/2018	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
<b>EP EXERCISE/PI VERIFICATION</b>						4
2	08/27/2018	08/31/2018	IP 71114.01	000716	Exercise Evaluation	
2	08/27/2018	08/31/2018	IP 71151	001397	Performance Indicator Verification	
<b>INSERVICE INSPECTION</b>						1
2	09/22/2018	10/21/2018	IP 71111.08G	000701	Inservice Inspection Activities - BWR	
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						1
2	10/01/2018	10/05/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2	10/01/2018	10/05/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
<b>Triennial 50.59 Inspection</b>						3
2	12/10/2018	12/14/2018	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
<b>SECURITY BASELINE INSPECTION</b>						1
2	02/11/2019	02/15/2019	IP 71130.02	000734	Access Control	
2	02/11/2019	02/15/2019	IP 71130.06	000738	Protection of Safeguards Information	

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

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03/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>DBA TEAM</b>						6
2	05/06/2019	05/24/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>2019 FERMI Exam</b>						4
2	05/12/2019	05/18/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2	06/16/2019	06/28/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>FORCE-ON-FORCE PLANNING AND EXERCISES</b>						8
2	05/13/2019	05/17/2019	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
2	06/03/2019	06/07/2019	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						2
2	05/20/2019	05/24/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
2	05/20/2019	05/24/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
<b>ISFSI Cask Loading Inspection</b>						2
2	06/10/2019	06/14/2019	IP 60855.1	000590	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
<b>BIENNIAL PI&amp;R INSPECTION</b>						4
2	06/10/2019	06/28/2019	IP 71152B	000747	Problem Identification and Resolution	
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						1
2	07/15/2019	07/19/2019	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>SECURITY BASELINE INSPECTION</b>						1
2	07/15/2019	07/19/2019	IP 71130.07	000739	Security Training	
2	07/15/2019	07/19/2019	IP 71151	001338	Performance Indicator Verification	
<b>Security Baseline Inspection</b>						1
2	08/05/2019	08/09/2019	IP 71130.14	000743	Review of Power Reactor Target Sets	
<b>CYBER SECURITY INSPECTION</b>						5
2	09/23/2019	10/11/2019	IP 71130.10P	000741	Cyber Security	
<b>EP BASELINE INSPECTION</b>						1
2	09/30/2019	10/04/2019	IP 71114.02	000717	Alert and Notification System Testing	

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03/01/2018 - 12/31/2019

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<b>EP BASELINE INSPECTION</b>						1
2	09/30/2019	10/04/2019	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
2	09/30/2019	10/04/2019	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
2	09/30/2019	10/04/2019	IP 71151	001397	Performance Indicator Verification	
<b>TRIENNIAL HEAT SINK INSPECTION</b>						2
2	10/28/2019	11/01/2019	IP 71111.07T	000700	Heat Sink Performance -Triennial	
<b>RADIATION PROTECTION BASELINE INSPECTION</b>						1
2	11/04/2019	11/08/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2	11/04/2019	11/08/2019	IP 71151	000746	Performance Indicator Verification	
<b>BIENNIAL REQUAL PROGRAM INSPECTION</b>						2
2	11/18/2019	11/22/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance - Biennial	