



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

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

March 3, 2020

Mr. Peter Dietrich  
Chief Nuclear Officer  
DTE Energy Company  
Fermi 2 – 260 TAC  
6400 North Dixie Highway  
Newport, MI 48166

SUBJECT: ANNUAL ASSESSMENT LETTER FOR FERMI NUCLEAR PLANT, UNIT 2  
(REPORT 05000341/2019006)

Dear Mr. Dietrich:

The Nuclear Regulatory Commission (NRC) has completed its end-of-cycle performance assessment of the Fermi Nuclear Plant, Unit 2, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2019 through December 31, 2019. 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 Fermi Nuclear Plants, Unit 2, during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix, because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the 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, 2021. 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. You should be aware that the agency is pursuing potential changes to the ROP, including changes to engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections"), and other changes to the baseline inspection program described in SECY-19-0067, "Recommendations for Enhancing the Reactor Oversight Process." Should these changes to the ROP be implemented, the engineering and other region-based inspections are subject to change in scope, as well as schedule. 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.

As described in our October 4, 2019 letter to Mr. P. Fessler, "Confirmatory Action Letter – Fermi Power Plant, Unit 2, Commitment to Address Degraded Torus Coatings," DTE commits to mitigate the degraded coating in the submerged portion of the torus by removing all coating in the submerged portion of the torus. The NRC plans to perform Inspection Procedure 92702, "Followup on Traditional Enforcement Actions Including Violations, Deviations, Confirmatory Action Letters, Confirmatory Orders, and Alternative Dispute Resolution Confirmatory Orders," at your facility. This inspection has not been scheduled and is not listed in the enclosed inspection plan.

Additionally, during this period the NRC will schedule and perform inspections per a revised version of Temporary Instruction (TI) 2515/194, "Inspection of the Licensee's Implementation of Industry Initiative Associated with the Open Phase Condition Design Vulnerability in Electrical Power Systems (NRC Bulletin 2012-01)" based on licensee risk evaluation completion and related NRR inspection guidance.

This letter, its enclosure, and your response (if any) 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 630-829-9833 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Richard Skokowski, Chief  
Branch 4  
Division of Reactor Projects

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

Enclosure:  
Inspection Plan

cc: Distribution via LISTSERV®

Letter to Peter Dietrich from Richard Skokowski dated March 3, 2020.

SUBJECT: ANNUAL ASSESSMENT LETTER FOR FERMI NUCLEAR PLANT, UNIT 2  
(REPORT 05000341/2019006)

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# IP 22 Inspection Activity Plan Report

## Fermi

03/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>Inservice Inspection Fermi Unit 2</b>						1
2	03/30/2020	04/10/2020	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
<b>Radiation Protection Baseline Inspection</b>						2
2	03/30/2020	04/17/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2	03/30/2020	04/17/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
2	03/30/2020	04/17/2020	IP 71124.04	000728	Occupational Dose Assessment	
<b>Security Baseline Inspection</b>						1
2	05/11/2020	05/15/2020	IP 71130.08	000740	Fitness For Duty Program	
2	05/11/2020	05/15/2020	IP 71151	001338	Performance Indicator Verification	
<b>Radiation Protection Baseline</b>						1
2	07/27/2020	07/31/2020	IP 71124.07	000731	Radiological Environmental Monitoring Program	
<b>Security Baseline Inspection</b>						1
2	08/31/2020	09/04/2020	IP 71130.02	000734	Access Control	
2	08/31/2020	09/04/2020	IP 71130.05	000737	Protective Strategy Evaluation	
2	09/14/2020	09/18/2020	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
<b>Radiation Protection Baseline Inspection</b>						1
2	10/12/2020	10/16/2020	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>Fermi December 2020 Initial Exam</b>						3
2	11/15/2020	11/20/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2	12/06/2020	12/18/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>Design Bases Assurance Inspection (Programs)</b>						3
2	11/16/2020	11/20/2020	IP 71111.21N.02	001645	Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements	
<b>Emergency Preparedness Exercise Inspection / Performance Indicator Verification</b>						4
2	12/14/2020	12/18/2020	IP 71114.01	000716	Exercise Evaluation	
2	12/14/2020	12/18/2020	IP 71151	001397	Performance Indicator Verification	
<b>Security Baseline Inspection</b>						1
2	01/18/2021	01/22/2021	IP 71130.01	000733	Access Authorization	

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

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## Fermi

03/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>Security Baseline Inspection</b>						1
2	04/05/2021	04/09/2021	IP 71130.02	000734	Access Control	
2	04/05/2021	04/09/2021	IP 71130.14	000743	Review of Power Reactor Target Sets	
<b>Fermi May 2021 Initial Exam NRC Developed</b>						8
2	02/15/2021	02/19/2021	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2	04/04/2021	04/12/2021	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2	05/09/2021	05/21/2021	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>Evaluations of Changes, Tests, and Experiments Inspection</b>						3
2	04/26/2021	04/30/2021	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
<b>Radiation Protection Baseline Inspection</b>						1
2	04/26/2021	04/30/2021	IP 71124.05	000729	Radiation Monitoring Instrumentation	
<b>Fermi 2021 Biennial Licensed Operator Requal Program Inspection</b>						2
2	05/23/2021	05/29/2021	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
<b>Radiation Protection Baseline</b>						1
2	06/21/2021	06/25/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
<b>Biennial Problem Identification and Resolution Inspection</b>						4
2	08/09/2021	08/27/2021	IP 71152B	000747	Problem Identification and Resolution	
<b>Radiation Protection Baseline Inspection</b>						2
2	08/16/2021	08/20/2021	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
<b>Inservice Inspection Fermi 2</b>						1
2	09/23/2021	10/01/2021	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
<b>Emergency Preparedness Baseline Inspection / Performance Indicator Verification</b>						1
2	10/04/2021	10/08/2021	IP 71114.02	000717	Alert and Notification System Testing	
2	10/04/2021	10/08/2021	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
2	10/04/2021	10/08/2021	IP 71114.05	000720	Maintenance of Emergency Preparedness	
2	10/04/2021	10/08/2021	IP 71114.08	000723	Exercise Evaluation □ Scenario Review	

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## Fermi

03/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>Radiation Protection Baseline Inspection</b>						1
2	10/04/2021	10/08/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2	10/04/2021	10/08/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
<b>Security Baseline Inspection</b>						1
2	10/18/2021	10/22/2021	IP 71130.07	000739	Security Training	
2	10/18/2021	10/22/2021	IP 71151	001338	Performance Indicator Verification	

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