



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, ILLINOIS 60532-4352

July 13, 2021

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

SUBJECT: FERMI POWER PLANT, UNIT 2—NRC INITIAL LICENSE EXAMINATION
REPORT 05000341/2021301

Dear Mr. Dietrich:

On June 16, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed the initial operator licensing examination process for license applicants employed at your Fermi Power Plant. The enclosed report documents the results of those examinations. Preliminary observations noted during the examination process were discussed on May 26, 2021, with yourself, and other members of your staff. An exit meeting was conducted by telephone on June 30, 2021, with Mr. Eric Olson, Site Vice President, other members of your staff, and Mr. Joseph DeMarshall, Chief Operator Licensing Examiner, to review the final grading of the written examination for the license applicants. The NRC also confirmed that the station submitted documentation noting that there were no post-examination comments for consideration during NRC grading of the examination.

The NRC examiners administered an initial license examination operating test during the week of May 24, 2021. The written examination was administered by training department personnel on June 2, 2021. Two Reactor Operator applicants were administered license examinations. The results of the examinations were finalized on June 28, 2021. The two applicants passed all sections of their examinations and were issued operator licenses.

The administered written examination and operating test, as well as documents related to the development and review (outlines, review comments and resolution, etc.) of the examination will be withheld from public disclosure until June 16, 2023.

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 Title 10 of the *Code of Federal Regulations*, Part 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

Patricia J. Pelke, Chief
Operations Branch
Division of Reactor Safety

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

Enclosures:

1. OL Examination
Report 05000341/2021301
2. Simulator Fidelity Report

cc: Distribution via LISTSERV®
J. Angel, Training Director

Letter to Peter Dietrich from Patricia J. Pelke dated July 13, 2021.

SUBJECT: FERMI POWER PLANT, UNIT 2—NRC INITIAL LICENSE EXAMINATION
REPORT 05000341/2021301

DISTRIBUTION:

Jessie Quichocho
Aaron McCraw
RidsNrrDorlLpl3
RidsNrrPMFermi2 Resource
RidsNrrDrolrib Resource
John Giessner
Mohammed Shuaibi
Jamnes Cameron
Allan Barker
DRPIII
DRSIII
Ikeda Betts
Colleen Schmidt

ADAMS Accession Number: ML21193A174

OFFICE	RI	RIII				
NAME	JDeMarshall:jw via Email	PPelke PJP				
DATE	07/12/21	07/13 /21				

OFFICIAL RECORD COPY

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket No: 50-341

License No: NPF-43

Report No: 05000341/2021301

Enterprise Identifier: L-2021-OLL-0026

Licensee: DTE Electric Company

Facility: Fermi Power Plant, Unit 2

Location: Newport, MI

Dates: May 24, 2021, through June 2, 2021

Examiners: J. DeMarshall, Senior Operations Engineer, Chief Examiner
D. Reeser, Operations Engineer, Examiner

Approved By: P. Pelke, Chief
Operations Branch
Division of Reactor Safety

SUMMARY

Examination Report 05000341/2021301; 05/24/2021–06/02/2021; DTE Electric Company; Fermi Power Plant, Unit 2; Initial License Examination Report.

The announced initial operator licensing examination was conducted by regional Nuclear Regulatory Commission examiners in accordance with the guidance of NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 11.

Examination Summary

Two of two applicants passed all sections of their examinations. The two applicants were issued operator licenses. (Section 4OA5.1)

REPORT DETAILS

4OA5 Other Activities

.1 Initial Licensing Examinations

a. Examination Scope

The U.S. Nuclear Regulatory Commission (NRC) examiners and members of the facility licensee's staff used the guidance prescribed in NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 11, to develop, validate, administer, and grade the written examination and operating test. The written examination outlines and operating test outlines were prepared by the NRC staff. The NRC staff developed the written examination and members of the facility licensee's staff developed the operating test. As part of the operating test development, the NRC examiners visited the facility during the week of February 15, 2021, to pre-validate the events/malfunctions constructed from the NRC prepared outlines, and to obtain feedback from your staff regarding scenario validity and capabilities of the simulator to support event performance. The NRC examiners validated the proposed examination during the week of April 5, 2021, with the assistance of members of the facility licensee's staff. During the onsite validation week, the Chief Examiner audited two license applications for accuracy. The NRC examiners, with the assistance of members of the facility licensee's staff, administered the operating test, consisting of job performance measures and dynamic simulator scenarios, during the period of May 24, 2021, through May 26, 2021. The facility licensee administered the written examination on June 2, 2021.

b. Findings

(1) Written Examination

During validation of the NRC developed written examination, several questions were modified or replaced. All changes made to the written examination were made in accordance with NUREG-1021, "Operator Licensing Examination Standards for Power Reactors." Form ES-401-9, "Written Examination Review Worksheet," was used primarily for the documentation of metrics on the NRC developed written examination. The Form ES-401-9, the written examination outlines (ES-401-1 and ES-401-3), and both the proposed and final written examinations, will be available electronically in the NRC Public Document Room or from the Publicly Available Records component of NRC's Agencywide Documents Access and Management System (ADAMS) on June 16, 2023, (ADAMS Accession Numbers ML20055D900, ML20055D845, ML20055D852, and ML20055D851, respectively).

The NRC examiners completed grading of the written examination on June 17, 2021, and conducted a review of each missed question to determine the accuracy and validity of the examination questions.

(2) Operating Test

The NRC examiners determined that the operating test, developed by the licensee from the NRC prepared outlines, was within the range of acceptability expected for a proposed examination.

Following the review and validation of the operating test, minor modifications were made to multiple job performance measures, and minor modifications were made to the dynamic simulator scenarios. All changes made to the operating test were made in accordance with NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," and were documented on Form ES-301-7, "Operating Test Review Worksheet." The Form ES-301-7, the operating test outlines (ES-301-1, ES-301-2, and ES-D-1s), and both the proposed and final operating tests, will be available electronically in the NRC Public Document Room or from the Publicly Available Records component of NRC's ADAMS on June 16, 2023, (ADAMS Accession Numbers ML20055D900, ML20055D845, ML20055D852, and ML20055D851, respectively).

The NRC examiners completed grading of the operating test on June 28, 2021.

(3) Examination Results

Two applicants at the Reactor Operator level were administered written examinations and operating tests. The two applicants passed all portions of their examinations and were issued their operating licenses on June 29, 2021.

.2 Examination Security

a. Scope

The NRC examiners reviewed and observed the licensee's implementation of examination security requirements during the examination validation and administration to assure compliance with Title 10 of the *Code of Federal Regulations*, Part 55.49, "Integrity of Examinations and Tests." The examiners used the guidelines provided in NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," to determine acceptability of the licensee's examination security activities.

b. Findings

None.

40A6 Management Meetings

.1 Debrief

The Chief Examiner presented the examination team's preliminary observations and findings on May 26, 2021, to Mr. Peter Dietrich, Senior Vice President and Chief Nuclear Officer, and other members of the Fermi Power Plant staff.

.2 Exit Meeting

The Chief Examiner conducted an exit meeting on June 30, 2021, with Mr. Eric Olson, Site Vice President, and other members of the Fermi Power Plant staff, by telephone. The Chief Examiner asked the licensee whether any of the material used to develop or administer the examination should be considered proprietary. No proprietary or sensitive information was identified during the examination or debrief/exit meetings.

ATTACHMENT: SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee

P. Dietrich, Senior VP and Chief Nuclear Officer
E. Olson, Site Vice President
R. Craven, Executive Director-Production (Plant Manager)
E. Bennett, Licensing Manager
S. Gatter, Principal Engineer Licensing
M. Ciko, Operations Director
J. Angel, Training Director
W. Conroy, Operations Training Superintendent
M. Donigian, Simulator/Exam Group Program Supervisor
J. Vanbrunt, Exam Developer
S. Schmus, Exam Developer

U.S. Nuclear Regulatory Commission

T. Briley, Senior Resident Inspector
T. Taylor, Resident Inspector
J. DeMarshall, Senior Operations Engineer, Chief Examiner (Region I)
D. Reeser, Operations Engineer, Examiner

ITEMS OPENED, CLOSED, AND DISCUSSED

Opened, Closed, and Discussed

None

LIST OF ACRONYMS USED

ADAMS	Agencywide Documents Access and Management System
NRC	U.S. Nuclear Regulatory Commission

POST-EXAM COMMENTS, EVALUATIONS, AND RESOLUTIONS

Facility Licensee: Fermi Power Plant, Unit 2

Facility Docket No: 50-341

Operating Tests Administered: May 24, 2021, through June 2, 2021

The following documents observations made by the U.S. Nuclear Regulatory Commission examination team during the initial operator license examination. These observations do not constitute audit or inspection findings and are not, without further verification and review, indicative of non-compliance with Title 10 of the *Code of Federal Regulations*, Part 55.45(b). These observations do not affect U.S. Nuclear Regulatory Commission certification or approval of the simulation facility other than to provide information which may be used in future evaluations. No licensee action is required in response to these observations.

During the conduct of the simulator portion of the operating tests, the following items were observed:

ITEM	DESCRIPTION
None.	