



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

March 16, 2020

Mr. Mark Bezilla
Site Vice President
Energy Harbor Nuclear Corp.
Davis-Besse Nuclear Power Station
5501 N. State Rte. 2, Mail Stop A-DB-3080
Oak Harbor, OH 43449-9760

SUBJECT: DAVIS-BESSE NUCLEAR POWER STATION—NRC INITIAL LICENSE
EXAMINATION REPORT 05000346/2020301

Dear Mr. Bezilla:

On February 24, 2020, the U.S. Nuclear Regulatory Commission (NRC) completed the initial operator licensing examination process for license applicants employed at your Davis-Besse Nuclear Power Station. The enclosed report documents the results of those examinations. Preliminary observations noted during the examination process were discussed on February 7, 2020, with Mr. D. Huey, General Plant Manager, and other members of your staff. An exit meeting was conducted by telephone on February 27, 2020, with Mr. G. Wolf, Supervisor Nuclear Compliance, other members of your staff, and Mr. G. Roach, 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 February 3, 2020. The written examination was administered by Davis-Besse Nuclear Power Station training department personnel on February 12, 2020. Five Senior Reactor Operator (SRO) and four Reactor Operator (RO) applicants were administered license examinations. The results of the examinations were finalized on March 9, 2020. Nine applicants passed all sections of their respective examinations. Five applicants were issued senior operator licenses and four applicants were issued operator licenses.

The written examination administered 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 February 24, 2022.

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,

/RA/

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

Docket No. 50-346
License No. NPF-3

Enclosures:

1. OL Examination
Report 05000346/2020301
2. Simulator Fidelity Report

cc: Distribution via LISTSERV®
N. Barron, Training Manager

Letter to Mark Bezilla from Patricia J. Pelke dated March 16, 2020.

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EXAMINATION REPORT 05000346/2020301

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U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket No: 05000346

License No: NPF-3

Report No: 05000346/2020301

Enterprise Identifier: L-2020-OLL-0032

Licensee: Energy Harbor Nuclear Corp.

Facility: Davis-Besse Nuclear Power Station

Location: Oak Harbor, OH

Dates: February 3, 2020, through February 24, 2020

Examiners: G. Roach, Senior Operations Engineer, Chief Examiner
C. Zoia, Senior Operations Engineer, Examiner
D. Reeser, Operations Engineer, Examiner

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

SUMMARY

Examination Report 05000346/2020301; 02/03/2020–02/24/2020; Energy Harbor Nuclear Corp.; Davis-Besse Nuclear Power Station; 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

Nine applicants passed all sections of their respective examinations. Five applicants were issued senior operator licenses and four applicants were issued operator licenses. (Section 40A5.1)

REPORT DETAILS

40A5 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 were prepared by the NRC staff and were transmitted to the facility licensee's staff. Members of the facility licensee's staff prepared the operating test outlines and developed the written examination and operating test. The NRC examiners validated the proposed examination during the week of January 6, 2020, with the assistance of members of the facility licensee's staff. During the onsite validation week, the examiners audited four 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 February 3, 2020, through February 7, 2020. The facility licensee administered the written examination on February 12, 2020.

b. Findings

(1) Written Examination

The NRC examiners determined that the written examination, as proposed by the licensee, was within the range of acceptability expected for a proposed examination. Less than 20 percent of the proposed examination questions were determined to be unsatisfactory and required modification or replacement.

During the validation of the 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," and were documented on Form ES-401-9, "Written Examination Review Worksheet." 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 February 24, 2022 (ADAMS Accession Numbers ML19121A156, ML19121A160, ML19121A162, and ML19121A165, respectively).

On February 24, 2020, the licensee submitted documentation noting that during the post-examination review the applicants made remarks concerning four written examination questions. The applicant's remarks were not associated with the technical accuracy of the affected questions or the accuracy of the examination answer key. Therefore, there were no post-examination comments for consideration by the NRC examiners when grading the written examination.

The NRC examiners graded the written examination on February 25, 2020, 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, as originally proposed by the licensee, 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 several job performance measures, and some 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 February 24, 2022, (ADAMS Accession Numbers ML19121A156, ML19121A160, ML19121A162, and ML19121A165, respectively).

The NRC examiners completed operating test grading on February 14, 2020.

(3) Examination Results

Five applicants at the Senior Reactor Operator (SRO) level and four applicants at the Reactor Operator (RO) level were administered written examinations and operating tests.

Nine applicants passed all portions of their examinations and were issued their respective operating licenses on March 9, 2020.

.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 February 7, 2020, to Mr. D. Huey, General Plant Manager, and other members of the Davis-Besse Nuclear Power Station staff.

.2 Exit Meeting

The chief examiner conducted an exit meeting on February 27, 2020, with Mr. G. Wolf, Supervisor Nuclear Compliance, and other members of the Davis-Besse Nuclear Power Station 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

M. Bezilla, Site Vice President
D. Huey, General Plant Manager
N. Barron, Training Manager
G. Wolf, Supervisor Nuclear Compliance
N. Buehler, Operations Support, Facility Representative
T. Gaydosik, Lead, Fleet Exam Team
D. Rowland, Lead NRC Exam Developer
M. Klein, NRC Exam Developer
C. Hill, Initial License Supervisor

U.S. Nuclear Regulatory Commission

D. Mills, Senior Resident Inspector
J. Harvey, Resident Inspector
G. Roach, Senior Operations Engineer, Chief Examiner
C. Zoia, Senior Operations Engineer, Examiner
D. Reeser, Operations Engineer, Examiner

ITEMS OPENED, CLOSED, AND DISCUSSED

Opened, Closed, and Discussed

None

LIST OF ACRONYMS USED

ADAMS	Agencywide Document Access and Management System
NRC	U.S. Nuclear Regulatory Commission
RO	Reactor Operator
SRO	Senior Reactor Operator

SIMULATOR FIDELITY REPORT

Facility Licensee: Davis-Besse Nuclear Power Station

Facility Docket No: 050-346

Operating Tests Administered: February 3, 2020, through February 7, 2020

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	N/A