



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, IL 60532-4352

September 12, 2016

Mr. Joel Gebbie
Senior VP and Chief Nuclear Officer
Indiana Michigan Power Company
Nuclear Generation Group
One Cook Place
Bridgman, MI 49106

SUBJECT: DONALD C. COOK NUCLEAR POWER PLANT, UNITS 1 AND 2 - NRC INITIAL
LICENSE EXAMINATION REPORT 05000315/2016301; 05000316/2016301

Dear Mr. Gebbie:

On July 29, 2016, the U.S. Nuclear Regulatory Commission (NRC) completed the initial operator licensing examination process for license applicants employed at your Donald C. Cook Nuclear Power Plant. The enclosed report documents the results of those examinations. Preliminary observations noted during the examination process were discussed on July 22, 2016, with you and other members of your staff. An exit meeting was conducted by telephone on August 2, 2016, between Mr. B. Evans, Operations Training Manager, of your staff and Mr. R. Baker, Operations Engineer, to review the proposed final grading of the written examination for the license applicants. During the telephone conversation, the NRC confirmed that the station had no post-examination comments that required resolution.

The NRC examiners administered an initial license examination operating test during the weeks of July 11 and July 18, 2016. The written examination was administered by Donald C. Cook training department personnel on July 22, 2016. The 9 Senior Reactor Operator and the 7 Reactor Operator applicants were administered license examinations. The results of the examinations were finalized on August 15, 2016. All 16 applicants passed all sections of their respective examinations and were issued applicable operator licenses.

The written examination and operating tests, as well as other related written examination and operating tests outlines and documentation, will be withheld from public disclosure for 24 months per your request.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390, "Public Inspections, Exemptions, Requests for Withholding," of the NRC's "Rules of Practice," a copy of this letter, its enclosure, and your response (if any) will be available electronically for public

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inspection in the NRC's Public Document Room or from the Publicly Available Records (PARS) component of the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

Robert J. Orlikowski, Chief
Operations Branch
Division of Reactor Safety

Docket Nos. 50-315; 50-316
License Nos. DPR-58; DPR-74

Enclosures:

1. OL Examination Report 05000315/2016301;
05000316/2016301
2. Simulation Facility Fidelity Report

cc: Distribution via LISTSERV®
D. Emery, Training Manager,
Donald C. Cook Nuclear Power Plant

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket Nos: 50-315; 50-316
License Nos: DPR-58; DPR-74

Report No: 05000315/2016301; 05000316/2016301

Licensee: Indiana Michigan Power Company

Facility: Donald C. Cook Nuclear Power Plant, Units 1 and 2

Location: Bridgman, MI

Dates: July 11 – July 29, 2016

Inspectors: R. Baker, Operations Engineer
M. Bielby, Senior Operations Engineer
N. Valos, Senior Reactor Analyst
J. Seymour, Operations Engineer

Approved by: R. Orlikowski, Chief
Operations Branch
Division of Reactor Safety

SUMMARY

Examination Report 05000315/2016301; 05000316/2016301; 07/11/2016 - 07/29/2016;
Indiana Michigan Power Company, Donald C. Cook Nuclear Power Plant, Units 1 and 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 10.

Examination Summary

The sixteen applicants passed all sections of their respective examinations, of which nine applicants were issued senior operator licenses and seven 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 10, to develop, validate, administer, and grade the written examination and operating test. Members of the facility licensee's staff prepared the outline and developed the written examination and operating test. The NRC examiners validated the proposed examination during the week of June 6, 2016, with the assistance of members of the facility licensee's staff. During the onsite validation week, the examiners audited a sample (two Senior Reactor Operator – Upgrade, two Senior Reactor Operator – Instant, and two Reactor Operator) of 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 July 11 through July 21, 2016. The facility licensee administered the written examination on July 22, 2016.

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.

All changes made to the proposed written examination, were made in accordance with NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," and documented on Form ES-401-9, "Written Examination Review Worksheet." The Form ES-401-9, the written examination outlines (ES-401-2 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) in 24 months. (ADAMS Accession Numbers ML15274A375 and ML15274A376)

On July 29, 2016, the licensee submitted documentation noting that 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 August 2, 2016, 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. Changes made to the operating test were documented in a document titled, "Operating Test Comments." The "Operating Test Comments" document, the operating test outlines (ES-301-1 and ES-301-2), 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 in 24 months. (ADAMS Accession Numbers ML15274A375, and ML15274A376)

The NRC examiners completed operating test grading on August 8, 2016.

(3) Examination Results

The nine applicants at the Senior Reactor Operator level and the seven applicants at the Reactor Operator level were administered written examinations and operating tests. All sixteen applicants passed all portions of their examinations and were issued their respective operating licenses on August 15, 2016.

.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*, Section 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

No findings were identified.

4OA6 Management Meetings

.1 Debrief

The chief examiner presented the examination team's preliminary observations and findings on July 22, 2016, to Mr. J. Gebbie, Senior Vice President and Chief Nuclear Officer, and other members of the Donald C. Cook Operations and Training Department staff.

.2 Exit Meeting

The chief examiner conducted an exit meeting on August 2, 2016, with Mr. B. Evans, Operations Training Manager, by telephone. The NRC confirmed there were no post-examination comments. The chief examiner asked 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. It was also confirmed that the written examination, operating tests, and other related written examination and operating tests outlines and documentation, will be withheld from public disclosure for 24 months per your request.

ATTACHMENT: SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee

J. Gebbie, Senior Vice President and Chief Nuclear Officer
Q. Lies, Site Vice President
D. Emery, Plant Training Manager
B. Evans, Operations Training Manger
I. Fleetwood, Initial License Training Supervisor
K. Ferneau, Operations Director
M. Scarpello, Manager, Nuclear Regulatory Affairs
K. Harper, Nuclear Regulatory Affairs

U.S. Nuclear Regulatory Commission

J. Ellegood, Senior Resident Inspector
T. Taylor, Resident Inspector
R. Baker, Chief Examiner
M. Bielby, Examiner
N. Valos, 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
PARS	Publicly Available Records System

SIMULATION FACILITY FIDELITY REPORT

Facility Licensee: Donald C. Cook Nuclear Power Plant

Facility Docket Nos: 50-315; 50-316

Operating Tests Administered: July 11 – July 21, 2016

The following documents observations made by the NRC 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, Section 55.45(b). These observations do not affect NRC 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	None

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Sincerely,

/RA/

Robert J. Orlikowski, Chief
Operations Branch
Division of Reactor Safety

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D. Emery, Training Manager,
Donald C. Cook Nuclear Power Plant

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