



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

September 2, 2009

Mr. David A. Heacock
President and Chief Nuclear Officer
Dominion Energy Kewaunee, Inc.
Innsbrook Technical Center
5000 Dominion Boulevard
Glen Allen, VA 23060-6711

SUBJECT: KEWAUNEE POWER STATION, UNIT 1
NRC INITIAL RETAKE LICENSE EXAMINATION REPORT
05000305/2009302(DRS)

Dear Mr. Heacock:

On August 7, 2009, the U. S. Nuclear Regulatory Commission (NRC) examiner completed initial retake operator licensing process for an examination at your Kewaunee Power Station. The enclosed report documents the results of the examination. Preliminary observations and findings were discussed on August 7, 2009, with Mr. Terry Evans and members of your staff during an exit meeting with Mr. R. K. Walton of NRC Region III Operator Licensing.

The NRC examiner administered an initial retake license examination operating (Administrative Job Performance Measure) test during the week of August 3, 2009. The written examination was previously administered by Kewaunee Power Station training department personnel on April 23, 2009. The operating examination was previously administered by the NRC during the weeks of April 13 and April 20, 2009. The results of the operating retake examination were finalized on August 27, 2009. The applicant has now passed all sections of the examinations resulting in the issuance of a Senior Reactor Operator license.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosures will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records System (PARS) component of NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

D. Heacock

-2-

We will gladly discuss any questions you have concerning this examination.

Sincerely,

/RA/

Hironori Peterson, Chief
Operations Branch
Division of Reactor Safety

Docket No. 50-305
License No. DPR-43

Enclosures: 1. Operator Licensing Examination Report
05000305/2009302(DRS)
2. Simulation Facility Report

cc w/encls 1 and 2: S. Scace, Site Vice President
M. Wilson, Director, Nuclear Safety and Licensing
C. Funderburk, Director, Nuclear Licensing and
Operations Support
T. Breene, Manager, Nuclear Licensing
L. Cuoco, Senior Counsel
D. Zellner, Chairman, Town of Carlton
J. Kitsembel, Public Service Commission of Wisconsin
P. Schmidt, State Liaison Officer

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- L. Cuoco, Senior Counsel
- D. Zellner, Chairman, Town of Carlton
- J. Kitsembel, Public Service Commission of Wisconsin
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U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket No: 50-305

License No: DPR-43

Report No: 05000305/2009302(DRS)

Licensee: Dominion Energy Kewaunee, Inc.

Facility: Kewaunee Power Station

Location: Kewaunee, WI

Dates: August 3 - 7, 2009

Inspectors: R. K. Walton, Chief Examiner

Approved by: Hironori Peterson, Chief
Operations Branch
Division of Reactor Safety

SUMMARY OF FINDINGS

ER 05000305/2009302(DRS); 8/3/2009 – 08/07/2009; Dominion Energy Kewaunee, Inc.; Kewaunee Power Station; Initial License Retake Examination Report.

The announced initial operator licensing retake examination was conducted by regional NRC examiners in accordance with the guidance of NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 9, Supplement 1.

Examination Summary:

- One Senior Reactor Operator Administrative Job Performance Measures (JPM) operating retake examination was administered.
- One Senior Reactor Operator applicant passed the Administrative JPM portion of the operating test.

REPORT DETAILS

4. OTHER ACTIVITIES (OA)

4OA5 Other

.1 Initial Licensing Retake Examination

a. Examination Scope

Kewaunee Power Station training staff used the guidance prescribed in NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 9, Supplement 1, to prepare the Administrative Job Performance Measures (JPMs) retake examination outline and the operating test (Administrative JPMs). The NRC examiners validated the proposed examination during the week of July 27, 2009, at the Kewaunee Power Station simulator building with the assistance of members of the licensee training staff. The NRC examiners previously conducted the operating portion of the initial license examination during the weeks of April 13 and April 20, 2009. The NRC Chief Examiner and members of the Kewaunee Power Station training department staff previously administered the written examination on April 23, 2009. The NRC examiners used the guidance established in NUREG-1021, to prepare, validate, revise, administer, and grade the examination.

b. Findings

Operating Test

During the validation of the operating test, minor changes were made to the Administrative JPMs. All changes made to the operating test were made and documented in accordance with NUREG-1021, Revision 9, Supplement 1. The NRC examiner determined that the submitted operating test met the NRC's expectations for an initial license operating test. The NRC examiners completed operating test grading on August 11, 2009.

Examination Results

The applicant was administered a Senior Reactor Operator (SRO) level Operating Exam (Administrative JPMs). The applicant was previously administered an operating test during the weeks of April 13 and April 20, 2009. The applicant was previously administered a written exam on May 7, 2009. The applicant previously passed portions of the operating exam and written test. The applicant successfully passed the remaining portion of the operating test (Administrative JPMs) and was issued an SRO operator license.

.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 10 CFR 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

On July 2, 2009, the licensee documented on Condition Report CR340205 a potential exam security issue. The licensee discovered that the simulator computer copied and retained in memory the last executable malfunction from the executable file on the computer T:\drive. Since JPM A.5 was the last file run on the simulator and the simulator was released for access to personnel not on the security agreement, JPM A.5 was considered by the licensee to be potentially compromised.

The licensee's extent of condition determined that the use of executable files have existed during the last initial license exam and during the last requalification exam. The licensee was unaware of the T:\drive remembering the last executable malfunction and simulator security checklists did not erase the T:\drive prior to releasing the simulator. The examiner reviewed this condition and determined that it was unlikely that anybody knew that the simulator retained the last executable malfunction on the T:\drive. Additionally, the examiner determined that it was unlikely that anybody could recreate exam material (JPMs or scenarios) from the last executable malfunction.

Corrective actions included replacing JPM A.5 and implementing instructions to run an ordinary executable file after exam material was administered on the simulator prior to releasing the simulator. The examiner verified proper implementation of the corrective actions on the licensee's simulator security checklist.

The issue was reviewed and assessed for a possible violation of 10 CFR 55.49. Based on the above evaluations it was determined that no actual examination compromise had occurred. However, to assure and enhance examination integrity, the JPM was replaced. This issue constitutes a violation of minor significance that is not subject to enforcement action in accordance with the NRC's Enforcement Policy.

4OA6 Meetings

Exit Meeting

The chief examiner conducted an exit meeting on August 7, 2009, with Mr. T. Evans, Kewaunee Power Station Training Manager and other members of your staff. The NRC's preliminary operating examination results were provided to Mr. Evans during the discussion. The examiners asked the licensee whether any of the material used to develop or administer the examination should be considered proprietary. Proprietary or sensitive information was identified during the examination and is to be withheld from the public document room.

ATTACHMENT: SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee

D. Emery, Training Supervisor
T. Evans, Training Manager
A. Fahrenkrug, Examination Author
S. Johnson, Examination Author
J. Gadzala, Licensing
C. Byall, Nuclear Engineer, Simulator Support

NRC

R. Walton, Chief Examiner

ITEMS OPENED, CLOSED, AND DISCUSSED

Opened, Closed, and Discussed

None

LIST OF DOCUMENTS REVIEWED

None

LIST OF ACRONYMS USED

ADAMS	Agency-Wide Document Access and Management System
DRS	Division of Reactor Safety
ER	Examination Report
JMP	Job Performance Measure
NRC	U. S. Nuclear Regulatory Commission
SRO	Senior Reactor Operator

