



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

December 3, 2010

Mr. Michael J. Pacilio
Senior Vice President, Exelon Generation Company, LLC
President and Chief Nuclear Officer (CNO), Exelon Nuclear
4300 Winfield Road
Warrenville IL 60555

SUBJECT: CLINTON POWER STATION
NRC INITIAL LICENSE EXAMINATION REPORT 05000461/2010301(DRS)

Dear Mr. Pacilio:

On November 12, 2010, the U. S. Nuclear Regulatory Commission (NRC) completed an NRC Initial License Examination at your Clinton Power Station. The enclosed report documents the results of the examination which were discussed on November 5, 2010, with Mr. F. A. Kearney and other members of your staff. An exit meeting was conducted via telephone on November 23, 2010, between Mr. S. Gackstetter of your staff and Mr. C. Moore, Operations Engineer, to review the resolution of the station's post examination comments and the proposed final grading of the written examination for the license applicants.

The NRC examiners administered an initial license examination operating test during the week of November 1, 2010. The written examination was administered by Clinton Power Station training department personnel on November 8, 2010. Six Reactor Operator applicants were administered license examinations. The results of the examinations were finalized on November 23, 2010. All six applicants passed all sections of their respective examinations and were issued reactor operator licenses.

The written examination and other related written examination documentation will be withheld from public disclosure for 24 months per your Clinton Power Station Training Department verbal request.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure 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 document system (ADAMS).

M. Pacilio

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ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html>
(the Public Electronic Reading Room).

Sincerely,

/RA by D. R. McNeil for/

Hironori Peterson, Chief
Operations Branch
Division of Reactor Safety

Docket No. 50-461
License No. NPF-62

Enclosures: 1. Operator Licensing Examination
 Report 05000461/2010301(DRS)
 w/Attachment: Supplemental Information
 2. Simulation Facility Report
 3. Written Examinations and Answer Key

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U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket No: 50-461

License No: NPF-62

Report No: 05000461/2010301(DRS)

Licensee: Exelon Generation Company, LLC

Facility: Clinton Power Station

Location: Clinton, Illinois

Dates: November 1 through November 12, 2010

Inspectors: C. Moore, Operations Engineer, Chief Examiner
D. McNeil, Senior Operations Engineer

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

Enclosure

SUMMARY OF FINDINGS

ER 05000461/2010301(DRS); 11/01/2010 - 11/12/2010; Exelon Generation Company, LLC, Clinton 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 9, Supplement 1.

Examination Summary:

- Six initial license reactor operator examinations were administered.
- Six applicants passed all sections of their examinations resulting in the issuance of six reactor operator licenses. (Section 4OA5.1).

REPORT DETAILS

4. OTHER ACTIVITIES (OA)

4OA5 Other

.1 Initial Licensing Examinations

a. Examination Scope

Members of the Clinton Power Station Training Department staff prepared the examination outline, and developed the written examination, and the operating test. The NRC examiners validated the proposed examination during the week of October 11, 2010, at the Clinton Power Station Training Building with the assistance of members of the licensee training staff. During the on-site validation week, the examiners audited two license applications for accuracy. The NRC examiners conducted the operating portion of the initial license examination during the week of November 1, 2010. Members of the Clinton Power Station Training Department staff administered the written examination on November 8, 2010. The NRC examiners used the guidance established in NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 9, Supplement 1, to validate, revise, administer, and grade the examination.

b. Findings

Written Examination

During the validation of the written examination several questions were modified, edited, or replaced. Changes made to the written examination were documented on Form ES-401-9, "Written Examination Review Worksheet" which is available electronically in the NRC Public Document Room or from the Publicly Available Records component of NRC's document system (ADAMS). Because the number of questions determined to be unsatisfactory was less than 20 percent of the total number of examination questions submitted, the proposed written examination met the NRC's expectations for a proposed initial examination. The licensee submitted no written examination post-examination comments for consideration by the NRC examiners when grading the written examination. The NRC examiners graded the written examination on November 19, 2010, and conducted a review of each missed question to determine the accuracy and validity of the examination questions.

Operating Test

The proposed operating test was within the range of acceptability expected for an initial license examination. However, during the validation of the operating test, several Job Performance Measures (JPMs) were enhanced. Some minor modifications were made to the dynamic simulator scenarios. Changes made to the operating test were documented in, "Operating Test and Outline Comments," which is available electronically in the NRC Public Document Room or from ADAMS. The NRC examiners completed operating test grading on November 23, 2010.

Examination Results

Six Reactor Operator (RO) applicants were administered written and operating tests. All six applicants passed all portions of their examinations and were issued reactor operator licenses.

.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

No findings of significance were identified.

4OA6 Meetings

.2 Interim Exit Meeting

The chief examiner presented the examination team's preliminary observations and findings on November 5, 2010, to Mr. F. Kearney and other members of the Clinton Power Station Operations and Training Department staff.

Exit Meeting

The chief examiner conducted an exit meeting on November 23, 2010, with Mr. S. Gackstetter, Clinton Power Station Training Director, by telephone. The NRC's preliminary examination results were provided during the telephone discussion. No proprietary or sensitive information was identified by the licensee during the examination or debrief/exit meetings.

ATTACHMENT: SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee

F. Kearney, Clinton Site Vice President
R. Frantz, Clinton RA
J. Peterson, Clinton RA
S. Gackstetter, Clinton Training Director
J. Ruth, Clinton Operations Training Manager
D. Shelton, Clinton Operations
T. French, Clinton Training, Exam Author
C. Prost, Clinton Training

NRC

C. Moore, Operations Engineer (Chief Examiner)
D. McNeil, Senior Operations Engineer
D. Lords, Clinton Power Station Resident Inspector

ITEMS OPENED, CLOSED, AND DISCUSSED

None

LIST OF DOCUMENTS REVIEWED

None

LIST OF ACRONYMS USED

ADAMS	Agency-Wide Document Access and Management System
ALARA	As Low As Reasonably Achievable
DRS	Division of Reactor Safety
IR	Inspection Report
JPM	Job Performance Measures
NRC	U. S. Nuclear Regulatory Commission
PARS	Publicly Available Records System
RO	Reactor Operator
SRO	Senior Reactor Operator

SIMULATION FACILITY REPORT

Facility Licensee: Clinton Power Station

Facility Docket No: 50-461

Operating Tests Administered: November 1 – 5, 2010

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 10 CFR 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
Annunciator 1H13-P680 alarms were wrong	Need to investigate annunciator 5007-1C Trouble EHC Syst alarm because it didn't come in when it was expected. The annunciator next to it 5007-1B came in instead.
Group 1 Isolation alarms didn't come in correctly	Need to determine why the Group 1 Isolation alarms do not come in at the same time?
Rod Control Pushbutton not labeled	Need to investigate why one of the Rod Control pushbuttons is not labeled correctly in the simulator. It doesn't match the plant.
Simulator setup was not correct prior to scenario	Need to determine why the rod pull sheets did not accurately match where the simulator was displaying control rod position.

WRITTEN EXAMINATIONS AND ANSWER KEY (RO)

RO Initial Examination ADAMS Accession # ML 103350273

M. Pacilio

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ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA by D. R. McNeil for/

Hironori Peterson, Chief
Operations Branch
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