



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

October 22, 2009

Mr. Charles G. Pardee
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 05000461/2009301(DRS)

Dear Mr. Pardee:

On September 18, 2009, the U. S. Nuclear Regulatory Commission (NRC) completed the initial operator licensing examination process at your Clinton Power Station. The enclosed report presents the results of the examination which were discussed with Mr. F. Kearney and other members of your staff on September 3, 2009, and Ms. K. Baker on September 18, 2009.

The NRC examiners administered initial license examination operating tests from August 24 through September 3, 2009. Members of the Clinton Training Department administered the initial license written examination on September 4, 2009. Five reactor operator (RO) and two senior reactor operator (SRO) license examinations were administered. Two of the applicants were previously licensed ROs at the Clinton Power Station. The results of the examinations were finalized on October 15, 2009. All 13 applicants passed all sections of their examinations resulting in the issuance of one reactor operator and eight senior reactor operator licenses. Four reactor operator licenses were not issued pending determination of respective medical condition(s).

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).

C. Pardee

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

Sincerely,

/RA by B. Palagi for/

Hironori Peterson, Chief
Operations Branch
Division of Reactor Safety

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

Enclosures: 1. Operator Licensing Examination
 Report 050000461/2009301(DRS)
 2. Simulation Facility Report
 3. Written Examinations and Answer Keys (RO and SRO)

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cc w/encls 1, 2, & 3: S. Gackstetter, Clinton Training Director

U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket Nos: 50-461

License Nos: NPF-62

Report No: 05000461/2009301(DRS)

Licensee: Exelon Generation Company, LLC

Facility: Clinton Power Station, Unit 1

Location: Clinton, IL

Dates: August 24 through September 18, 2009

Examiners: M. Bielby, Chief Examiner
C. Moore, Examiner
C. Zoia, Examiner

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

SUMMARY OF FINDINGS

ER 05000461/2009301(DRS); 08/24/09 - 09/18/09; Exelon Generation Company, LLC; Clinton Power Station, Unit 1; Initial License Examination Report.

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

Examination Summary:

- Thirteen examinations were administered (five-reactor operator and eight-senior reactor operator); and
- All thirteen applicants passed all sections of their examinations resulting in the issuance of one reactor operator and eight senior reactor operator licenses. Four reactor operator licenses were not issued pending determination of respective medical condition(s).

REPORT DETAILS

4. OTHER ACTIVITIES (OA)

4OA5 Other

.1 Initial Licensing Examinations

a. Examination Scope

The NRC examiners conducted an announced operator licensing initial examination during the weeks of August 24 and August 31, 2009. The facility licensee's training staff used the guidance prescribed in NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 9, Supplement 1, to prepare the outline and develop the written examination and operating test. The examiners administered the operating test, consisting of job performance measures and dynamic simulator scenarios, during the period of August 24 through September 3, 2009. The facility licensee administered the written examination on September 4, 2009. Five reactor operator and eight senior reactor operator applicants were examined. During the on-site validation week of August 3, 2009, the examiners audited four license applications for accuracy.

b. Findings

Written Examination

The NRC examiners determined that the written examination, as originally submitted by the licensee, was within the range of acceptability expected for a proposed examination. All changes made to the submitted examination were made in accordance with NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 1, Supplement 1. The licensee graded the written examination on September 4, 2009, and conducted a review of each question to determine the accuracy and validity of the examination questions. The licensee did not submit any post examination comments for consideration by the NRC examiners when grading the written examination or enhancements based on a post examination review with the applicants.

Operating Test

The NRC examiners determined that the operating test, as originally submitted by the licensee, was within the range of acceptability expected for a proposed examination. All changes made to the submitted examination were made in accordance with NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 1, Supplement 1. The NRC examiners completed operating test grading on October 7, 2009.

Examination Results

All thirteen applicants passed all sections of their examinations resulting in the issuance of one reactor operator and eight senior reactor operator licenses. Four reactor operator licenses were not issued pending determination of respective medical condition(s).

.2 Examination Security

a. Inspection Scope

The NRC examiners briefed the facility contact on the NRC's requirements and guidelines related to examination physical security (e.g., access restrictions and simulator considerations) and integrity in accordance with 10 CFR 55.49, "Integrity of Examinations and Tests," and NUREG-1021, "Operator Licensing Examination Standard for Power Reactors," Revision 9, Supplement 1. The examiners reviewed and observed the licensee's implementation and controls of examination security and integrity measures (e.g., security agreements) throughout the examination process.

b. Findings

No Findings

4OA6 Meetings

Debrief

The chief examiner presented the examination team's preliminary observations and findings on September 3, 2009, to Mr. F. Kearney, Site Vice-President, and other members of the Clinton Operations and Training Department staff.

Exit Meeting

The acting chief examiner conducted an exit meeting by telephone on September 18, 2009, with Ms. K. Baker, Operations Training Manager and acting Training Director. The NRC's preliminary written examination results were provided to K. Baker during the telephone discussion. The examiners 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

F. Kearney, Site Vice-President
B. Bunte, Sr. Manager Design Engineering
T. Chalmers, Operations Director
J. Ellis, Work Management Director
R. Frantz, Regulatory Assurance
S. Gackstetter, Training Director
D. Kemper, Regulatory Assurance Manager
M. Otten, Operations Training Manager
A. Poland, Human Resources Manager
J. Rappeport, Chemistry Manager
M. Reandeau, Shift Operations Superintendent
C. VanDenburgh, Nuclear Oversight Manager

NRC

M. Bielby, Chief Examiner
B. Kemker, Clinton Senior Resident Inspector
C. Zoia, Examiner

ITEMS OPENED, CLOSED, AND DISCUSSED

Opened, Closed, and Discussed

None

LIST OF ACRONYMS

ADAMS	Agency-Wide Document Access and Management System
CFR	Code of Federal Regulations
DRS	Division of Reactor Safety
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, Unit 1

Facility Licensee Docket No. 50-461

Operating Tests Administered: August 24 through September 3, 2009

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
1	During administration of an exam scenario, a malfunction required actuation of the main turbine hydrogen seal oil switch. A hardware problem prevented the switch from functioning properly. As a result that specific malfunction was not used in subsequent setups for that scenario.
2	The Area/Process Radiation Monitoring Panel initially failed to reset properly between scenario setups. As a result the panel was left running rather than resetting between scenarios. The remaining scenario evaluations were not affected.

WRITTEN EXAMINATIONS AND ANSWER KEYS (RO/SRO)

RO/SRO Initial Examination ADAMS Accession #ML092940488.

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

Sincerely,

/RA by B. Palagi for/

Hironori Peterson, Chief
Operations Branch
Division of Reactor Safety

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