

June 6, 2006

Mr. Christopher M. Crane
President and Chief Nuclear Officer
Exelon Nuclear
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: BRAIDWOOD STATION, UNITS 1 AND 2
NRC INITIAL LICENSE EXAMINATION REPORT 05000456/2006301(DRS);
05000457/2006301(DRS)

Dear Mr. Crane:

On May 19, 2006, Nuclear Regulatory Commission (NRC) examiners completed initial operator licensing examinations at your Braidwood Station. The enclosed report documents the results of the examination which were discussed on May 19, 2006, with K. Polson and other members of your staff. A subsequent telephone conversation was conducted on May 22, 2006, between Mr. D. Stiles of your staff and Mr. D. McNeil, Senior Operations Engineer, to ensure there were no post examination comments on the written examination and to ensure there was no proprietary or sensitive information contained in the examination materials.

The NRC examiners administered an initial license examination operating test during the week of May 15, 2006. A written examination was administered by Braidwood Station training department personnel on May 19, 2006. Three Senior Reactor Operator applicants were administered license examinations. One of the Senior Reactor Operator applicants was a previously licensed Reactor Operator at Braidwood Station. The results of the examinations were finalized on May 25, 2006. All applicants passed all sections of their respective examinations and were issued applicable operator licenses.

In accordance with 10 CFR Part 2.790 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 component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

C. Crane

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

Sincerely,

/RA/

Hironori Peterson, Chief
Operations Branch
Division of Reactor Safety

Docket Nos. 50-456; 50-457
License Nos. NPF-72; NPF-77

Enclosures: 1. Operator Licensing Examination
Report 05000456/2006301(DRS); 05000457/2006301(DRS)
w/Attachment: Supplemental Information
2. Simulation Facility Report
3. Written Examinations and Answer
Keys (SRO)

cc w/encl 1 & 2: Site Vice President - Braidwood Station
Plant Manager - Braidwood Station
Regulatory Assurance Manager - Braidwood Station
Chief Operating Officer
Senior Vice President - Nuclear Services
Vice President - Operations Support
Vice President - Licensing and Regulatory Affairs
Director Licensing
Manager Licensing - Braidwood and Byron
Senior Counsel, Nuclear, Mid-West Regional
Operating Group
Document Control Desk - Licensing
Assistant Attorney General
Illinois Emergency Management Agency
State Liaison Officer
Chairman, Illinois Commerce Commission

cc w/encl 1, 2, & 3: C. Dunn, Training Manager, Braidwood Station

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

Sincerely,

/RA/

Hironori Peterson, Chief
Operations Branch
Division of Reactor Safety

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Site Vice President - Braidwood Station
 Plant Manager - Braidwood Station
 Regulatory Assurance Manager - Braidwood Station
 Chief Operating Officer
 Senior Vice President - Nuclear Services
 Vice President - Operations Support
 Vice President - Licensing and Regulatory Affairs
 Director Licensing
 Manager Licensing - Braidwood and Byron
 Senior Counsel, Nuclear, Mid-West Regional
 Operating Group
 Document Control Desk - Licensing
 Assistant Attorney General
 Illinois Emergency Management Agency
 State Liaison Officer
 Chairman, Illinois Commerce Commission

cc w/encl 1, 2, & 3: C. Dunn, Training Manager, Braidwood Station

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U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket Nos: 50-456; 50-457
License Nos: NPF-72; NPF-77

Report No: 05000456/2006301(DRS)/05000457/02006301(DRS)

Licensee: Exelon Generation Company, LLC

Facility: Braidwood Station, Units 1 and 2

Location: Braceville, IL

Dates: May 15 through May 19, 2006

Examiners: D. McNeil, Senior Operations Engineer
R. Walton, Operations Engineer
C. Zoia, Operations Engineer

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

SUMMARY OF FINDINGS

ER 05000456/2006301(DRS), 05000457/2006301(DRS); 05/12/2006 - 05/19/2006;
Exelon Generation Company, LLC, Braidwood Station. Initial License Examination Report.

The announced operator licensing initial 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.

Examination Summary:

- All applicants passed all sections of their respective examinations and were issued applicable operator licenses. (Section 4OA5.1).

REPORT DETAILS

4. OTHER ACTIVITIES (OA)

4OA5 Other

.1 Initial Licensing Examinations

a. Examination Scope

Braidwood Station's training staff prepared the examination outline and developed the written examination and operating test. The Nuclear Regulatory Commission (NRC) examiners validated the proposed examination during the week of April 3, 2006, and conducted the operator licensing initial examination during the week of May 12, 2006. Braidwood Station training department staff members administered the written examination on May 19, 2006. In all cases, the training staff and the NRC examiners used the guidance established in NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 9, to prepare, validate, revise, administer, and grade the examination.

b. Findings

Written Examination

During the initial in-office review of the examination, the examiners determined that the examination, as submitted by the licensee, was within the range of acceptability expected for a proposed examination. During examination validation the week, examination changes agreed upon between the NRC and the licensee were incorporated.

The NRC examiners graded the written examination on May 22, 2006, and conducted a review of each missed question to determine the accuracy and validity of the examination questions. The licensee declined to submit post-examination comments for the written examination.

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 operating test. Operating test changes made during the validation of the operating test were agreed upon between the NRC and the licensee.

Examination Results

All applicants passed all sections of their respective examinations and were issued applicable operator licenses.

.2 Examination Security

a. Scope

The NRC examiners reviewed and observed the licensee's implementation of examination security requirements during the examination preparation and administration. 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

During development of the examination one examination question was replaced. Clarifying material for the question was left on a liquid chalk surface in an uncontrolled classroom. Upon discovery, the NRC was immediately notified and the question replaced. During validation of the examination, a control room operator (Unit Supervisor) was shown some examination material. The Unit Supervisor was immediately placed on the station's examination security agreement and advised of the security requirements for the examination. Because the examination material was replaced and no applicants gained an unfair advantage as a result of the questions being uncontrolled, no violation of 10 CFR 55.49 occurred.

4OA6 Meetings

Exit Meeting

The chief examiner presented the examination team's preliminary observations and findings on May 19, 2006, to Mr. K. Polson and other members of the Braidwood Station Operations and Training Department staff. No proprietary or sensitive information was identified during the examination.

ATTACHMENT: SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee

K. Polson, Site Vice President
C. Boerschig, Plant Manger
S. Butler, Operations Training Manager
C. Dunn, Training Director
R. Cameron, ILT Lead Instructor
D. Stiles, Examination Author
S. Deprest, OTPS
T. McCool, Exelon Corporate Training Director
M. Cichon, Regulatory Assurance
P. Summers, Nuclear Oversight

NRC

D. Smith, P.E., DRS Branch 3

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
NRC	Nuclear Regulatory Commission

WRITTEN EXAMINATIONS AND ANSWER KEYS (RO/SRO)

SRO Initial Examination ADAMS Accession # ML061510494