



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

April 16, 2010

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: DRESDEN NUCLAR POWER STATION, UNITS 2 AND 3
NRC INITIAL LICENSE EXAMINATION REPORT 05000237/2010301(DRS);
05000249/2010301(DRS)

Dear Mr. Pardee:

On March 17, 2010, Nuclear Regulatory Commission (NRC) examiners completed initial operator licensing examinations at your Dresden Station. The enclosed report documents the results of the examination. Preliminary observations and findings noted during the examination process were discussed on March 12, 2010, with D. Gronek and other members of your staff and Mr. Raymond Keith Walton, Senior Operations Engineer.

The NRC examiners administered an initial license examination operating test during the week of March 8, 2010. The written examination was administered by Dresden Station training department personnel on March 15, 2010. Seven Senior Reactor Operator and two Reactor Operator applicants were administered license examinations. The results of the examinations were finalized on April 1, 2010. All applicants passed all sections of their respective examinations. Five Senior Reactor Operator applicants and one Reactor Operator applicant were issued respective operating licenses. Licenses for two Senior Reactor Operators and one Reactor Operator were withheld pending final review of their medical files by an NRC medical review officer. When the NRC Medical Review Officer notifies Region III that the applicants meet all medical requirements to hold an NRC operating license, the three operator licenses will be issued.

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 (PARS) component of NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

C. Pardee

-2-

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

Sincerely,

/RA/

Hironori Peterson, Chief
Operations Branch
Division of Reactor Safety

Docket Nos. 50-237; 50-249
License Nos. DPR-19; DPR-25

Enclosures: 1. Operator Licensing Examination
 Report 05000237/2010301(DRS); 05000249/2010301(DRS)
 2. Simulation Facility Report
 3. Written Examinations and Answer Keys (RO and SRO)

cc w/encls: Distribution via ListServ

U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket Nos: 50-237; 50-249

License Nos: DPR-19; DPR-25

Report No: 05000237/2010301(DRS); 05000249/2010301(DRS)

Licensee: Exelon Nuclear Generating Company, LLC

Facility: Dresden Station, Units 2 and 3

Location: Morris, Illinois

Dates: February 8 – March 17, 2010

Examiners: R. K. Walton, Senior Operations Engineer
M. Bielby, Senior Operations Engineer
C. Moore, Operations Engineer

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

SUMMARY OF FINDINGS

ER 05000237/2010301(DRS), 05000249/2010301(DRS); 2/8/2010 - 3/17/2010; Exelon Nuclear Generating Company, LLC, Dresden 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:

- Nine of nine applicants passed all sections of their respective examinations. Five applicants were issued senior operator licenses and one applicant was issued an operator license. Licenses for two Senior Reactor Operators and one Reactor Operator were withheld pending NRC review of their medical files. (Section 40A5.1).

REPORT DETAILS

4. OTHER ACTIVITIES (OA)

4OA5 Other

.1 Initial Licensing Examinations

a. Examination Scope

The licensee prepared the examination outline and developed the written examination and operating test. The NRC examiners validated the proposed examination during the week of February 8, 2010, at the Dresden 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 March 8, 2010. The NRC examiners and members of the Dresden Station training department staff administered the written examination on March 15, 2010. The NRC examiners used the guidance established in NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 9, Supplement 1, to prepare, validate, revise, administer, and grade the examination.

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 9, Supplement 1. The NRC examiners graded the written examination on March 19, 2010, and conducted a review of each question to determine the accuracy and validity of the examination questions. On March 17, 2010, the NRC received the licensee's letter concerning the post examination material. 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 9, Supplement 1. The NRC examiners completed operating test grading on March 24, 2010.

During the validation of the operating test, one administrative Job Performance Measure (JPM) was replaced and some modifications made to the dynamic simulator scenarios. The replaced JPM appeared to duplicate a JPM that was administered during the licensee's audit exam. Changes made to the operating test were documented in a document titled, "Operating Test Comments," which is available electronically in the NRC Public Document Room or from the Publicly Available Records component of NRC's document system (ADAMS). The NRC examiners completed operating test grading on March 24, 2010, Supplement 1.

Examination Results

All 9 applicants passed all sections of their examinations resulting in the issuance of 1 reactor operator and 5 senior reactor operator licenses. Three licenses were withheld by the NRC until medical reviews were completed by the NRC doctor. Those licenses will be issued when Region III Operations Branch is notified by the NRC Medical Review Officer that the applicants meet NRC Medical requirements to hold an NRC operating 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

No findings.

4OA6 Meetings

Exit Meeting

The chief examiner presented the examination team's preliminary observations and findings on March 12, 2010, to D. Gronek and other members of the Dresden Station Operations and Training Department staff.

ATTACHMENT: SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee

D. Gronek, Operations Director
L. Jordan, Training Director
P. Karaba, Maintenance Director
D. Leggett, Nuclear Oversight Manager
M. Otten, Operations Training Director
S. Russel, Corporate Training
G. Morrow, Operations Training
F. Ferrero, Exam Author

NRC

R. K. Walton, Senior Operations Engineer
C. Phillips, Senior Resident Inspector

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
JPM	Job Performance Measure
NRC	Nuclear Regulatory Commission
PARS	Publically Available Records
IR	Inspection Report

SIMULATION FACILITY REPORT

Facility Licensee: Dresden Station

Facility Docket No: 50-237; 50-249

Operating Tests Administered: March 8 – 12, 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
'A' Recirculation Pump Temperature Indicator, RR 2-262-19A	During Scenario 2, the applicants received A/B Recirculation Pump High Temperature Alarm. The applicants were to determine the 'A' pump was affected and trip the pump. However, the temperature indicator for the 'A' Recirculation Pump was taken out of service due to a burned out circuit board. This condition was not identified during simulator setup. SWR 11896 and MMI 7204 were written to repair the indicator.
Intermittent Alarms	During Scenario 2, first run only, the simulator produced intermittent alarms for LPCI Low Flow (when LPCI was not in service and not needed). Also the "A" Pumpback Air Compressor low pressure alarm was received. The operators responded by placing "B" Pumpback Air Compressor in service in accordance with the annunciator procedure. SWR 12399 was written to address 2A Pumpback Air Compressor.
LI-1640-10A	During Scenario 2, the crew identified that Torus Level indicator LI-1640-10A was reading 2 feet lower than LI-1640-10B. Tapping the indicator and application of anti-static fluid to the plastic gage face did not correct this condition. MMI 7246 was documented to repair the indicator.
CRAM Rod Move Sheets	During Scenario 2, first run only, the applicants inserted 4 CRAM rods then identified that the next 4 CRAM Rods position did not agree with the CRAM Rod Move Sheet. The simulated nuclear engineer was called in to assist the crew in determination of which rods were to be inserted. The condition was not identified during simulator setup but was corrected before the scenario was run a second time.
Simulator Lighting	During administration of JPMs and Scenarios on days 1 through 4, three overhead fluorescent lights in the simulator would intermittently flicker. This condition resulted in a minor inconvenience for examiners and examinees. The licensee had been addressing this issue prior to exam week with various simulator work orders both completed and pending.

Items 1 - 4 above were documented on licensee corrective action document, AR 0104180.

WRITTEN EXAMINATIONS AND ANSWER KEYS (SRO)

SRO Initial Examination ADAMS Accession # ML101040888

C. Pardee

-2-

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

Sincerely,

/RA/

Hironori Peterson, Chief
Operations Branch
Division of Reactor Safety

Docket Nos. 50-237; 50-249
License Nos. DPR-19; DPR-25

- Enclosures:
1. Operator Licensing Examination
Report 05000237/2010301(DRS); 05000249/2010301(DRS)
 2. Simulation Facility Report
 3. Written Examinations and Answer Keys (RO and SRO)

cc w/encls: Distribution via ListServ

DISTRIBUTION:

Susan Bagley
RidsNrrDorlLpl3-2
RidsNrrPMDresden Resource
RidsNrrDirslrib Resource
Cynthia Pederson
Steven Orth
Jared Heck
Allan Barker
Carole Ariano
Linda Linn
DRPIII
DRSIII
Patricia Buckley
Tammy Tomczak

DOCUMENT NAME: G:\DRS\WORK IN PROGRESS\DRE 2010 301 DRS OL.DOC

Publicly Available Non-Publicly Available Sensitive Non-Sensitive

To receive a copy of this document, indicate in the concurrence box "C" = Copy without attach/encl "E" = Copy with attach/encl "N" = No copy

OFFICE	RIII		RIII				
NAME	RKWalton:co	DM for	H Peterson				
DATE	04/15/10		04/16/10				

OFFICIAL RECORD COPY