

May 3, 2000

Mr. Oliver D. Kingsley
President, Nuclear Generation Group
Commonwealth Edison Company
ATTN: Regulatory Services
Executive Towers West III
1400 Opus Place, Suite 500
Downers Grove, IL 60515

SUBJECT: NRC EXAMINATION REPORT 50-254/2000301(DRS); 50-265/2000301(DRS)

Dear Mr. Kingsley:

On April 3, 2000, the NRC completed initial operator licensing examinations at your Quad Cities Units 1 and 2 reactor facilities. The enclosed report presents the results of the examination.

This examination was the Quad Cities training department's first opportunity to prepare an operator license examination in accordance with NUREG-1021, Operator Licensing Examination Standards for Power Reactors, Revision 8, April 1999. NRC examiners administered the operating examination during the week of March 27, 2000, and your training department personnel administered the written examination on April 3, 2000. Four applicants were administered Reactor Operator examinations and one applicant was administered a Senior Reactor Operator examination. The license applicants' performance evaluations were finalized on April 24, 2000. All applicants passed all sections of their examinations and were issued Reactor Operator or Senior Reactor Operator licenses to operate your Quad Cities Units 1 and 2 reactor facilities.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosures will be placed in the NRC Public Electronic Reading Room (PERR) link at the NRC homepage, <http://www.nrc.gov/NRC/ADAMS/index.html>.

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

Sincerely

/RA/

David E. Hills, Chief
Operations Branch
Division of Reactor Safety

Docket Nos. 50-254; 50-265
License Nos. DPR-29; DPR-30

Enclosures: 1. Operator Licensing Examination Report
50-254/2000301(DRS); 50-265/2000301(DRS)
2. Simulation Fidelity Report
3. Written Examination and Answer Keys (RO, SRO)

cc w/encls 1 & 2: D. Helwig, Senior Vice President, Nuclear Services
C. Crane, Senior Vice President, Nuclear Operations
H. Stanley, Vice President, Nuclear Operations
R. Krich, Vice President, Regulatory Services
DCD - Licensing
J. Dimmette, Jr., Site Vice President
G. Barnes, Quad Cities Station Manager
C. Peterson, Regulatory Affairs Manager
M. Aguilar, Assistant Attorney General
State Liaison Officer, State of Illinois
State Liaison Officer, State of Iowa
Chairman, Illinois Commerce Commission
W. Leech, Manager of Nuclear
MidAmerican Energy Company

cc w/encls 1, 2 & 3: F. S. Tsakeres, Training Manager

O. Kingsley

-2-

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M. Aguilar, Assistant Attorney General
State Liaison Officer, State of Illinois
State Liaison Officer, State of Iowa
Chairman, Illinois Commerce Commission
W. Leech, Manager of Nuclear
MidAmerican Energy Company

cc w/encls 1, 2 & 3: F. S. Tsakeres, Training Manager

DOCUMENT NAME: G:DRS\QUA2000301 DRS.WPD

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U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket Nos: 50-254; 50-265
License Nos: DPR-29; DPR-30

Report No: 50-254/2000301(DRS); 50-265/2000301(DRS)

Licensee: Commonwealth Edison Company

Facility: Quad Cities Nuclear Power Station, Units 1 and 2

Location: 22710 206th Avenue North
Cordova, IL 61242

Dates: March 27 through April 3, 2000

Examiners: D. McNeil, Chief Examiner
A. M. Stone, Examiner

Approved by: David E. Hills, Chief, Operations Branch
Division of Reactor Safety

SUMMARY OF FINDINGS

Quad Cities Nuclear Power Station, Units 1 & 2
NRC Examination Report 50-254/2000301(DRS); 50-265/2000301(DRS)

During the week of March 27, 2000, NRC examiners conducted an announced operator licensing initial examination in accordance with the guidance of NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 8. This examination implemented the operator licensing requirements of 10 CFR §55.41, §55.43 and §55.45.

One Senior Reactor Operator and four Reactor Operator applicants were administered the written examination and operating tests. The NRC administered the operating test during the week of March 27, 2000 and the licensee administered the written examination on April 3, 2000.

Examination Summary:

- All applicants passed all portions of their respective examinations and received Senior Reactor Operator or Reactor Operator licenses (Section 4OA5.1).

Report Details

4. OTHER ACTIVITIES (OA)

4OA5 Other

.1 Initial Licensing Examinations

a. Scope

The NRC examiners conducted announced operator licensing initial examinations during the week of March 27, 2000. The facility licensee developed the written examinations and operating tests. One Senior Reactor Operator and four Reactor Operator applicants received written examinations and operating tests.

b. Issues and Findings

The facility licensee submitted an examination which was acceptable for a proposed examination. All five applicants passed all portions of the examination.

The NRC examiners determined that the written examinations and operating test were developed in accordance with the guidance of NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 8. The NRC examiners did not identify any significant examination material deficiencies or security concerns associated with the development or administration of the tests.

The licensee's training department personnel administered the written examination on April 3, 2000, in accordance with NUREG-1021. The NRC examiners independently graded the written examination and concluded that all five applicants passed. The licensee conducted a post-examination item analysis of the senior reactor operator and reactor operator written examinations and identified eleven questions which were incorrectly answered by more than 50 percent of the applicants. The licensee initiated a training request to address the deficiencies. The licensee did not submit post-examination comments.

The NRC examiners administered the operating tests during the week of March 27, 2000. All five applicants passed the operating tests. The NRC examiners identified several individual deficiencies in applicant performance during the operating examination which are described in each individual's examination report, Form ES-303-1, "Operator Licensing Examination Report." The NRC forwarded copies of the evaluations under separate correspondence to the Site Training Manager.

4OA6 Meetings (Including Exit Meeting)

.1 Exit Meeting Summary

The inspectors presented the preliminary examination observations to Mr. Dimmette and other members of licensee management at the conclusion of the operating test on March 31, 2000. The licensee acknowledged the findings presented. No proprietary information was identified.

PARTIAL LIST OF PERSONS CONTACTED

Licensee

G. Barnes, Station Manager
J. Dimmette, Site Vice President
J. Hansen, NGG Initial License Training Examination Coordinator
C. Ibsen, Operations
C. Peterson, Regulatory Assurance Manager
D. Snook, Training
C. Symonds, Operations Training Superintendent
G. Thennes, Training
F. Tsakeres, Training Manager

SIMULATION FACILITY REPORT

Facility Licensee: Quad Cities Units 1 and 2

Facility Licensee Docket Nos: 50-254; 50-265

Operating Tests Administered: March 27 through 30, 2000

The following documents observations made by the NRC examination team during the March 2000, initial 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. Simulated fault on Torus spray valve did not occur	In Event #8 of Scenario #2, a breaker trip should have, but did not, prevent the operator from opening the torus spray valves, MO 1001-37 A/B. This problem was not repeatable.
2. Simulated fault on standby condensate pump did not occur	In Event #5 of Scenario #4, the standby condensate pump was expected to fail to automatically start when the "A" condensate/condensate booster pump tripped. During the operating test, the standby pump automatically started. The licensee identified a software error and wrote a work request to address the issue.