



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

January 16, 2014

Mr. David A. Heacock
President and Chief Nuclear Officer
Dominion Resources
5000 Dominion Blvd.
Glen Allen, VA 23060-6711

SUBJECT: MILLSTONE POWER STATION, UNIT 3 - INITIAL OPERATOR
LICENSING EXAMINATION REPORT 05000423/2013301

Dear Mr. Heacock:

On December 9, 2013, the U.S. Nuclear Regulatory Commission (NRC) completed an examination at Millstone Power Station, Unit 3. The enclosed report documents the examination findings, which were discussed on December 31, 2013, with Mr. John Stoddard, Millstone Unit 3 Supervisor, Nuclear Shift Operations and other members of your staff.

The examination included the evaluation of four applicants for reactor operator licenses, and three applicants for upgrade senior reactor operator licenses. The written and operating examinations were developed using NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 9, Supplement 1. The license examiners determined that all applicants satisfied the requirements of 10 CFR Part 55, and the appropriate licenses were issued on December 31, 2013.

No findings were identified during this examination.

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 Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams/web-based.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

Donald E. Jackson, Chief
Operations Branch
Division of Reactor Safety

Enclosure:
NRC Initial Operator Licensing Examination Report 05000423/2013301
w/Attachments
cc w/encl: via ListServ

D. Heacock

2

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EXAMINATION REPORT

**U.S. NUCLEAR REGULATORY COMMISSION
REGION I**

Docket: 50-423

License: NPF-49

Report : 05000423/2013301

Licensee: Dominion Resources

Facility: Millstone Power Station, Unit 3

Location: P. O. Box 128
Waterford, CT 06385

Dates: December 2-5, 2013 (Operating Test Administration)
December 9, 2013 (Written Examination Administration)
December 12, 2013 (Licensee Submitted Post Exam Package)
December 9-30, 2013 (NRC Examination Grading)
December 31, 2013 (Licenses Issued)

Examiners: P. Presby, Chief Examiner, Operations Branch
D. Silk, Senior Operations Engineer
C. Lally, Operations Engineer
J. Tomlinson, Operations Engineer

Approved By: Donald E. Jackson, Chief
Operations Branch
Division of Reactor Safety

SUMMARY OF FINDINGS

ER 05000423/2013301; December 2-9, 2013; Millstone Power Station, Unit 3, Initial Operator Licensing Examination Report.

NRC examiners evaluated the competency of four applicants for reactor operator licenses, and three applicants for upgrade senior operator licenses at Millstone, Unit 3. The facility licensee developed the examinations using NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 9, Supplement 1. The written examination was administered by the facility on December 9, 2013. NRC examiners administered the operating tests on December 2-5, 2013. The license examiners determined that all applicants satisfied the requirements of 10 CFR Part 55, and the appropriate licenses have been issued.

A. NRC-Identified and Self-Revealing Findings

No findings were identified.

B. Licensee-Identified Violations

None.

REPORT DETAILS

4. OTHER ACTIVITIES (OA)

4OA5 Other Activities (Initial Operator License Examination)

.1 License Applications

a. Examination Scope

The Chief Examiner reviewed all seven license applications submitted by the licensee to ensure the applications reflected that each applicant satisfied relevant license eligibility requirements. The applications were submitted on NRC Form 398, "Personal Qualification Statement," and NRC Form 396, "Certification of Medical Examination by Facility Licensee." The examiners also audited one of the license applications in detail to confirm that they accurately reflected the subject applicant's qualifications. This audit focused on the applicant's experience and on-the-job training, including control manipulations that provided significant reactivity changes.

b. Findings

No findings were identified.

.2 Operator Knowledge and Performance

a. Examination Scope

On December 9, 2013, the licensee proctored the administration of the written examinations to all seven applicants. The licensee staff graded the written examinations, analyzed the results, and presented their analysis to the NRC on December 12, 2013.

The NRC examination team administered the various portions of the operating examination to all seven applicants on December 2-5, 2013. The applicants for reactor operator licenses participated in two dynamic simulator scenarios, in a control room and facilities walkthrough test consisting of eleven system tasks, and an administrative test consisting of four administrative tasks. The applicants for upgrade senior operator licenses participated in one or two dynamic simulator scenarios, a control room and facilities walkthrough test consisting of five system tasks, and an administrative test consisting of five administrative tasks.

b. Findings

All applicants passed all parts of the examination. For the written examinations, the reactor operator applicants' average score was 88.33 percent and ranged from 85.33 to 92 percent, the senior operator applicants' average score was 90.67 percent and ranged from 88 to 93 percent. The overall written examination average was 89.33 percent. The text of the examination questions and the licensee's examination analysis may be accessed in the ADAMS system under the accession numbers noted in Attachment 1. In accordance with current NRC policy, the release of this written examination in ADAMS to the public will be delayed for two years.

Chapter ES-403 and Form ES-403-1 of NUREG 1021 require the licensee to analyze the validity of any written examination questions that were missed by half or more of the applicants. The licensee conducted this performance analysis for four questions that met these criteria and submitted the analysis to the chief examiner. The licensee did not submit any post-examination comments.

.3 Initial Licensing Examination Development

a. Examination Scope

The facility licensee developed the examinations in accordance with NUREG-1021, Revision 9, Supplement 1. All licensee facility training and operations personnel involved in examination preparation and validation were listed on a security agreement. The facility licensee submitted both the written and operating examination outlines on September 3, 2013. The chief examiner reviewed the outlines against the requirements of NUREG-1021, and provided comments to the licensee. The facility licensee submitted the draft examination package on October 3, 2013. The chief examiner reviewed the draft examination package against the requirements of NUREG-1021, and provided comments to the licensee on the examination on October 29, 2013. The NRC conducted an onsite validation of the operating examinations and provided further comments during the week of November 11, 2013. The licensee satisfactorily completed comment resolution on November 21, 2013.

b. Findings

The examiners determined that the written and operating examinations initially submitted by the licensee were within the range of acceptability expected for a proposed examination.

No findings were identified.

Enclosure

.4 Simulation Facility Performance

a. Examination Scope

The examiners observed simulator performance with regard to plant fidelity during the examination validation and administration. Observations are documented on Attachment 2, Simulator Fidelity Report.

b. Findings

No findings were identified.

.5 Examination Security

a. Examination Scope

The examiners reviewed examination security during both the onsite preparation week and examination administration week for compliance with NUREG-1021 requirements. Plans for simulator security and applicant control were reviewed and discussed with licensee personnel.

b. Findings

No findings were identified.

4OA6 Meetings, including Exit

The Chief Examiner presented the examination results to Mr. John Stoddard, Unit 3 Supervisor, Nuclear Shift Operations, and other members of the licensee's management staff on December 31, 2013. The licensee acknowledged the findings presented.

The licensee did not identify any information or materials used during the examination as proprietary.

ATTACHMENTS:

ATTACHMENT 1 - SUPPLEMENTAL INFORMATION

ATTACHMENT 2 – SIMULATOR FIDELITY REPORT

Enclosure

ATTACHMENT 1
SUPPLEMENTAL INFORMATION
KEY POINTS OF CONTACT

Licensee Personnel

J. Stoddard, Supervisor, Nuclear Shift Operations
M. Siebert, Supervisor, Nuclear Training
P. Scott, Unit 3 Operations
S. Jackson, Simulator Support – Systems Analyst Specialist
R. Royce, Nuclear Training Instructor (Exam Developer)
W. Forrestt, Nuclear Training Instructor (Exam Developer)

NRC Personnel

J. Ambrosini, Senior Resident Inspector

ITEMS OPENED, CLOSED, AND DISCUSSED

NONE

ADAMS DOCUMENTS REFERENCED

Accession No. ML14010A042 FINAL-Written Exam (Note: In accordance with current NRC policy, the release of this written examination in ADAMS to the public will be delayed for two years.)

Accession No. ML14010A045 FINAL-Operating Exam

ES-501**Simulator Fidelity Report****Attachment 2**

Facility Licensee: Millstone Unit 3

Facility Docket No.: 05000423

Operating Test Administered on: 12/2-6/2013

This form is to be used only to report observations. These observations do not constitute audit or inspection findings and, without further verification and review in accordance with IP 7111.11, are not indicative of noncompliance with 10 CFR 55.46. No licensee action is required in response to these observations.

While conducting the simulator portion of the operating tests, examiners observed the following items:

| Item | Description |
|----------------|--|
| DR 2013-3-0072 | Lamp check switches falling out of holder |
| DR 2013-3-0073 | Pull-to-lock on several switches is difficult to operate |