

U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report No. 50-213/85-18

Docket No. 50-213

License No. DPR-61 Priority - Category -

Licensee: Connecticut Yankee Atomic Power Company

P. O. Box 270

Hartford, Connecticut 06107

Facility Name: Haddam Neck Plant

Inspection At: Haddam, Connecticut

Inspection Conducted: September 9 - 20, 1985

Inspector: D. F. Johnson
D. F. Johnson, Lead Reactor Engineer
(Examiner)

11/4/85
Date

Reviewed by: R. M. Keller
R. M. Keller, Chief, Reactor Projects
Section 1C

11/4/85
Date

Approved by: Harry B. Kister
Harry B. Kister, Chief
Projects Branch No. 1
Division of Reactor Projects

11/5/85
Date

Inspection Summary: Special announced inspection to review the status of the licensed operator requalification program in response to licensee commitments obtained from management meetings conducted on December 17, 1984, and March 25, 1985.

Areas Inspected: Status of the licensee's short and long term plans and independent third party evaluations of Licensed Operator Requalification Program.

Results: No violations or deviations were identified. The licensee's actions in response to the NRC management meetings of December 17, 1984, and March 25, 1985, are being implemented adequately and in a timely manner.

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DETAILS

1.0 Persons Contacted

1.1 Connecticut Yankee Atomic Power Company (CYAPC)

- *R. Brown, Operations Supervisor
- *J. Deveau, Assistant Training Supervisor
- *J. Ferguson, Unit Superintendent
- *S. Fleming, Training Supervisor
- Senior and Reactor Operators

1.2 Northeast Utilities Service Company (NUSCO)

- *J. M. Black, Simulator, Project Manager
- *H. Haynes, Manager, Operations Training
- *R. Test, Director, Nuclear Training

1.3 Personnel Qualification Services (PQS)

- R. Hickok
- F. Kelley
- D. Nelson

1.4 Core Corporation

- R. Corfield
- P. Casey

1.5 Nuclear Regulatory Commission (NRC)

- *P. Swetland, Senior Resident Inspector
- *D. F. Johnson, Lead Reactor Engineer (Examiners)

*Denotes those present at the exit interview.

2.0 Background

An initial audit of the requalification program was conducted on August 6 - 10, 1984, that indicated enough significant concerns to warrant a more indepth review of the requalification program at the Haddam Neck facility. This NRC audit was conducted on November 14 - 16, 1984. Results from this audit were presented at a management meeting held on December 17, 1984. At this meeting the following commitments were obtained from the licensee: 1) submit a written proposal to NRC Region I by January 31, 1985, a short term plan for an augmented requalification program for training individuals whose licenses are to be renewed before 1986; 2) a plan for ongoing self-initiated monitoring/auditing of re-qualification program effectiveness, and a long term requalification

training program to be implemented in 1985. A second management meeting was held in Region I on March 25, 1985, to discuss the scope and content of the Licensed Operator Requalification Training Program submitted by the licensee as a result of the meeting held on December 17, 1984. Further commitments were obtained from this meeting on March 25 regarding operating license renewals, i.e. to provide: 1) documentation for those individuals that will be exempted from the theory upgrade portion of the program; 2) details of an independent third party evaluation; and, 3) names of those individuals who will not complete the short term program with appropriate justification for license renewal.

3.0 Scope of Inspection

This inspection assessed conformance to the commitments of the December 17, 1984 and March 25, 1985 management meetings. It included review of the proposed schedule and implementation dates for the Licensed Operator Continuing Training Program for 1986, results of the third party evaluation and audits, direct observation of requalification training in progress including review of written examinations and observation of oral examinations.

3.1 Implementation of the Short-Term Training Program

The licensee documented in his February 1, 1985 response to the NRC those interim actions that would be implemented for an augmented upgrade training program for individuals whose licenses are to be renewed before 1986. This constituted approximately 22 operators to receive this program. The licensee conducted and completed a training session for six operators in May 1985.

Waivers were requested for five additional operators in correspondence received from the licensee on July 19, 1985. Following a review of the submitted justification, Region I granted the waivers for those individuals on July 30, 1985.

Three of the remaining individuals were given a special examination designed and administered by a third party on September 6, 1985. All three operators achieved a passing grade of greater than 80%.

A second training session is scheduled in November 1985 for four remaining individuals whose license renewals are due in late 1985 and early 1986.

The remaining eight individuals whose license renewals are in mid and late 1986 are scheduled to complete a training session in May and June 1986 respectively.

This is an open item pending successful completion of the training for the remaining individuals. (50-213/85-18-01)

4.0 Implementation of the Long Term Program

- 4.1 An independent third party evaluation of the requalification program was conducted on May 3, 6, 13 and 22, 1985. The results of these audits completed on May 28, 1985 were reviewed by NRC Region I on August 10, 1985. Findings from the NRC review concurred with the independent third party evaluation in that the Connecticut Yankee station license requalification program is adequate in scope and content such that NRC regulations, policies and guidelines are being met at this time, however, the proposed 1986 licensed operator continuing training program comprising a rotating one-in-six week continuing process, utilizing the CY simulator appears to be a more effective means of conducting an adequate requalification program.
- 4.2 In addition three requalification classroom sessions were conducted on May 13 - 24, June 3 - 14, and September 9 - 20, 1985. These sessions were followed by both written and oral examinations, conducted by an independent third party.
 - 4.2.1 The following areas were examined by an NRC Region I representative during an onsite visit the weeks of September 9 - 20, 1985.
 - a. audit of adequacy and technical content of presented information by direct observation by attending specific training sessions.
 - b. review of lesson plans and materials utilized during training sessions attended.
 - c. review of written examinations administered on May 24, June 14 and September 20, 1985, which included the licensee's grading and evaluation of test results and subsequent actions with respect to individual's performance on both the written and oral examinations.
 - d. audit of oral examinations administered on September 19 and 20, 1985, by direct observation.
 - e. review of the licensed operator requalification training program schedule for 1986.
 - f. review of procedures CY-OP-REQ, September 16, 1985, "Training Program Description" and CY-OP-REQ-OTIP-16, July 22, 1985, "Licensed Operator Continuing Training Program Implementing Procedure".

- g. review instructor assignments to ensure qualified personnel are used in licensed operator training.
- h. review the Operator Requalification Manuals, Volume 1, 2, to verify course content and quality of lesson plans.

4.2.2 Findings as a result of the above review are as follows:

- a. With respect to the training sessions attended the instruction was in depth and of high quality, the lesson plans were well written and the enabling and terminal objectives adequately reflect the must know knowledges, skills, and abilities required of a licensed operator.
- b. Oral examinations administered by independent third party auditors were of short duration (two hours in length), but were adequate for the given circumstances.
- c. Instructor qualifications meet or exceed the requirements of NUREG-0737, IA.2.1 Enclosure 1.
- d. Requalification implementing procedures and course manuals utilized in training are thorough, well outlined and adequately organized.
- e. Connecticut Yankee's requalification program for licensed operators meet or exceed the requirements of 10 CFR Part 55 Appendix A and NUREG-0737 item I.A.2.1.C.

There were no unacceptable conditions identified at this time.

5.0 Exit Interview

The NRC representative met with the licensee management representative identified in paragraph 1 at the Haddam Neck facility on September 27, 1985, to discuss and summarize the areas inspected and the resultant findings as detailed in this report.