

U.S. NUCLEAR REGULATORY COMMISSION  
REGION I

Report No. 50-423/88-16

Docket No. 50-423

License No. NPF-49

Licensee: Northeast Nuclear Energy Company  
PO Box 270  
Hartford, Connecticut 06141

Facility Name: Millstone Unit 3

Inspection At: Waterford, Connecticut

Inspection Conducted: September 13-15, 1988

Inspectors: Larry E. Briggs 9/30/88  
Larry Briggs, Senior Operations Engineer date  
Operations Branch, PWR Section

Approved by: Peter W. Eselgroth 4 Oct 88  
Peter W. Eselgroth, Chief date  
for Pressurized Water Reactor Section  
Operations Branch, DRS

Inspection Summary: Inspection on September 13-15, (Inspection No. 50-423/88-16)

Inspection Summary: A routine announced inspection was conducted at the Millstone Unit 3 Power Station to evaluate the content and implementation of the licensed operator training program. All program aspects reviewed were performed in accordance with program requirements.

Findings: No violations were identified.

## DETAILS

### 1.0 Persons Contacted

M. Hall, Senior Operator Instructor  
T. Harvey, Senior Operator Instructor  
S. Jackson, Operator Instructor (Initial Training Coordinator)  
P. Lang, Senior Reactor Operator  
\*R. Martin, Assistant Operator Training Supervisor  
L. Miller, Reactor Operator  
J. Page, Reactor Operator  
B. Parrish, Operator Instructor (Upgrade Coordinator)  
\*W. Potter, Operator Instructor (Requalification Coordinator)  
\*B. Ruth, Operator Training Manager  
B. Small, Reactor Operator  
R. Smith, Reactor Operator  
\*R. Stotts, Operator Training Supervisor

\*Denotes those present at the exit meeting on September 15, 1988.

### 2.0 Licensed Operator Training

The Licensed Operator Training (LOT) program at Millstone Unit 3 is addressed in the Millstone Unit 3 Appendix Manual, Appendix D, Nuclear Training Manual, and Appendix E, Training Program Implementing Procedures. These documents and those listed in Attachment A were reviewed to verify that the provisions of 10 CFR Part 55 were being addressed. The following areas of the training program activities were reviewed on a sampling basis to determine acceptability.

#### 2.1 Program Review

The inspector reviewed the documents listed in Attachment A, concerning the license's Initial (LOIT), Requalification (LORT) and Upgrade (LOUT) training programs to verify that:

- a. Recent operating events identified in Plant Incident Reports, Licensee Event Reports, Significant Operating Event Reports and Information Notices were incorporated into the training program.
- b. Records of lecture attendance were being maintained and that required/scheduled personnel were in attendance.
- c. A schedule for the current training cycle/program had been developed and was being adhered to.
- d. Plant design changes and modifications were incorporated into the training program when needed.

- e. Records of the most recent examination grades and the individuals responses were maintained.

## 2.2 Lecture Content and Written Exam Results

The inspector attended three scheduled lectures to determine the content and scope of instruction. The lectures attended were:

- Electrohydraulic Control System (requal training)
- Emergency Diesel Generators (upgrade training)
- Emergency Diesel Generator Load Sequencer (requal training)

All training lectures attended by the inspector were professionally presented and addressed the enabling objectives of the lesson.

The inspector also reviewed the last Requalification final exam of five operators. Two operators had failed a written, NRC administered, requal exam and were subsequently administered a licensee generated requal exam after a one week self-study program. Both operators passed the licensee administered written exam. A review of the two exams indicated that their level of difficulty was comparable. Overall results of licensee administered requal exams averaged about 90 percent.

## 2.3 Operator Interviews

The inspector interviewed five (5) licensed RO/SRO's to determine if they believed that training being administered was sufficient and in enough technical detail to allow them to safely and competently perform their duties as reactor operators. All those interviewed believed that training was adequate. The inspector also asked several questions concerning surveillance testing and training on plant modifications. Surveillance training is normally administered during simulator training. Training for modifications following the last outage was performed by giving each operator a book containing a description of each modification made to the plant followed by formal classroom instruction on those modifications.

Several operators expressed a desire to have more simulator time and to have formalized training on station systems used for support, in particular the Auxillary Boiler System was mentioned.

## 3.0 Findings

No violations, unresolved items or deviations were identified within the scope of this inspection. All areas reviewed appeared to have been performed in accordance with the licensee's program requirements.

#### 4.0 Exit Meeting

At the conclusion of the site inspection, on September 15, 1988, an exit meeting was held with the licensee's senior training representatives (denoted in Paragraph 1.0) to discuss the scope and findings as detailed in this report.

At no time during this inspection was written material provided to the licensee by the inspector. Based on the NRC Region I review of this report and discussions held with licensee representatives during this inspection, it was determined that this report does not contain information subject to 10 CFR 2.790 restrictions.

ATTACHMENT A

DOCUMENTS REVIEWED

Millstone Unit 3, Appendix Manual

Appendix D, Nuclear Training Manual

Appendix E, Training Program Implementing Procedures

Tab 1, NTM 3.078, Control Operator Program

Tab 2, NTM 3.079, Upgrade Training Implementing Procedure

Tab 3, NTM 3.080, Licensed Operator Requalification Training  
Implementing Procedure

NTM 2.06, Training Program Modifications

NTM 1.13, Student Evaluation