

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

Region I

Report No. 50-423/79-12

Docket No. 50-423

License No. CPPR-113 Priority -- Category A

Licensee: Northeast Nuclear Energy Company
P. O. Box 270
Hartford, Connecticut 06101

Facility Name: Millstone Nuclear Power Station, Unit No. 3

Inspection at: Millstone Unit 3, Waterford, Connecticut

Inspection conducted: December 27-28, 1979

Inspectors: *A. C. Cerne*

A. C. Cerne, Reactor Inspector

W. H. Bateman

W. H. Bateman, Reactor Inspector

1/21/80

date signed

1/18/80

date signed

date signed

Approved by: *R. W. McGaughy*

R. W. McGaughy, Chief, Projects Section,
RCES Branch

1/21/80

date signed

Inspection Summary:

Inspection on December 27-28, 1979 (Report No. 50-423/79-12)

Areas Inspected: Routine, unannounced inspection by regional based inspectors of containment liner and fuel pool liner erection activities and other specific construction concerns, as discussed with various craftsmen during conduct of a formal craftsmen interview program. The inspectors also conducted plant tour-inspections and discussed with the licensee the status of all currently open items. The inspection involved 28 inspection-hours by two regional based inspectors.

Results: No items of noncompliance were identified.

DETAILS

1. Persons Contacted

Northeast Utilities Service Company

- *J. A. O'Brien, Construction Quality Assurance Specialist
- *J. L. Peterson, Senior Project Technician
- *S. R. Toth, System Superintendent/Generation Construction

Stone and Webster Engineering Corporation

- W. B. Anderson, Assistant Superintendent, Field Quality Control
- *J. G. Kappas, Superintendent of Construction
- *R. H. Lane, Superintendent of Construction Services
- *F. K. Sullivan, Resident Engineer
- *G. G. Turner, Superintendent, Field Quality Control
- J. L. Whedbee, Assistant Superintendent, Field Quality Control

*Denotes those present at the exit interview.

The inspectors also interviewed construction crafts and QC personnel during the course of the inspection.

2. Plant Tours

The inspectors observed work activities in-progress, completed work and plant status in several areas of the plant during general inspection of the plant. The inspectors examined work for any obvious defects or noncompliance with regulatory requirements or license conditions. Particular note was taken of presence of quality control inspectors and quality control evidence such as inspection records, material identification, nonconforming material identification, housekeeping and equipment preservation. The inspectors interviewed craft personnel, supervision, and quality inspection personnel as such personnel were available in the work areas.

Specifically the inspectors noted the status of rock anchor installation for the Service Building, piping erection in lower containment, and fabrication of the containment liner dome. They checked preheat, weld rod control, and procedure use for the welding of piping support attachments to the containment liner dome and observed some welding on the liner itself. The maintenance of a pressurized inert gas blanket on the accumulator tanks was spot-checked, as was the overall status of material preservation in the Auxiliary Building and Containment.

No items of noncompliance were identified.

3. Interviews with Craftsmen

On this inspection, the inspectors initiated the trial implementation of a formal craftsmen interview program, announced to the licensee by letter, dated November 1, 1979. A total of eighteen craftsmen and QC inspectors were privately interviewed regarding the quality of construction, various code requirements, and any irregularities they may have noted or concerns they may have about the safety-related work in which they are involved. The confidentiality of all conversations and the anonymity of the source of all discussion items were both stressed and maintained.

Since most of the individuals interviewed were selected from the boilermaker trade, the quality of construction and technical issues relating to the erection of the containment and fuel pool liners were discussed. Specific discussion items amenable to immediate inspection follow-up were either brought to the attention of the licensee for further action, or checked by the inspectors during additional inspection-tours of the applicable work areas, as warranted.

The conduct of these craftsmen interviews, immediate follow-up by the inspectors, and subsequent telephone calls with a licensee representative on December 31, 1979 and January 3, 1980 have resulted in the identification of no items of noncompliance during the course of this inspection.

4. Exit Interview

At the conclusion of the inspection on December 28, 1979, a meeting was held at the Millstone Unit 3 site with representatives of the licensee. Attendees at this meeting included personnel whose names are indicated by notation (*) in paragraph 1. The inspector summarized the results of the inspection as described in this report. He also solicited comments from the licensee regarding any impact on licensee activities or scheduled work resulting from the trial implementation of the formal craftsmen interview program. No adverse comments were expressed.