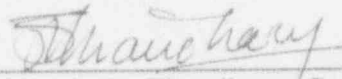


U. S. NUCLEAR REGULATORY COMMISSION
REGION I

DOCKET/REPORT NO. 50-309/94-05
LICENSE NO. DPR-36
LICENSEE: Maine Yankee Atomic Power Company
83 Edison Drive
Augusta, Maine 04336
FACILITY Maine Yankee
INSPECTION AT: Wiscasset, Maine
INSPECTION DATES: March 7-11, 1994

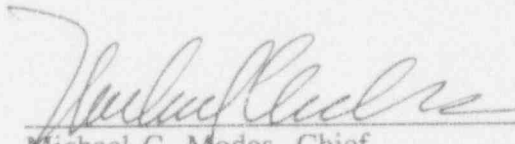
INSPECTOR:



Suresh K. Chaudhary, Sr. Reactor Engineer
Materials Section, EB, DRS

3/25/94
Date

APPROVED BY:



Michael C. Modes, Chief
Materials Section, EB, DRS

3/25/94
Date

Area Inspected: The licensee's program for installation, modification, maintenance, and testing of safety-related pipe supports and restraints.

Results: Based on the findings, the inspector concluded that the licensee's snubber and pipe support inspection and surveillance program met the requirements of TS and the applicable Code for safety-related supports and restraints.

DETAILS

1.0 BACKGROUND

The Maine Yankee Atomic Power Plant is a 900 MWE, 3-Loop PWR plant. It was built to the ANSI B31.1 Construction Code. The safety classification was in accordance with ANSI Standard N18.2. The plant began commercial operation in December 1972, and currently is in the first period of the third inspection interval of the ISI program required by ASME Code. The third inspection interval started on December 28, 1992, and the applicable Code for this ISI interval is Section XI of the ASME Code, 1986 Edition.

2.0 PURPOSE AND SCOPE OF THE INSPECTION

The primary purpose and scope of this inspection was to determine if the licensee's program for installation, modification, maintenance, and testing of safety-related restraints and pipe supports was satisfactory to assure the safety-related function of these items, and to determine that this program was in compliance with NRC requirements, applicable codes, and licensee commitments.

The areas reviewed included:

- Inservice Inspection/Inservice Test (ISI/IST) program for snubbers and pipe supports,
- Snubber testing equipment, and
- General walkthrough inspection of the plant for visual examination of accessible snubbers and supports.

3.0 FINDINGS

3.1 Program

The licensee's program for implementing control of installation, modification, maintenance, testing and surveillance of snubbers and pipe supports is a part of their overall ISI program and is in compliance with the 1986 edition of the ASME Code, Section XI. The ISI program manual consists of the program text and appendices. The program establishes specific boundaries, exemption criteria, sample size, and component selection criteria used for Class 1, 2, and 3 nonexempt components and their supports. The supports sub-program is covered in Section 5.5 of the licensee's ISI program, and Section 5.0 of the licensee's IST program.

The inspector determined that the program was clearly written, and met the requirements of the applicable Code and the plant technical specification.

3.2 Procedures

The Code requirements for the ISI program and the plant technical specification (TS) are implemented through approved ISI and surveillance procedures.

The inspector reviewed the following ISI/IST and surveillance procedures to determine their adequacy in fulfilling the intent of the TS and code requirements, clarity of prerequisites, acceptance criteria, and the procedural controls.

- Procedure No. 3.17.6.4, Revision 14, dated 6/23/93, "Surveillance of Hydraulic Shock Suppressors."
- Procedure No. 3.17.2, Revision 11, dated 7/27/93, "Surveillance Functional Testing of Hydraulic Shock Suppressors" (for Grinnell snubbers).
- Procedure No. 3.17.2.1, Revision 11, dated 7/27/93, "Surveillance Functional Testing of Hydraulic Shock Suppressors" (for Lisega snubbers).
- Procedure No. 17.28, Revision 6, dated 9/28/93, "Inspection and Repair of Hydraulic Shock Suppressors."
- Procedure No. 17.27, Revision 5, dated 3/10/93, "NDE of Safety Class Components and Their Supports."
- Procedure No. YA-VT-11, Revision 4, dated 6/23/93, "Visual Examinations."

Based on the review of the above procedures, discussions with cognizant personnel, direct observations, the review of completed surveillance reports, and the historical inspection records, the inspector determined that the above procedures were adequate for implementing the inspection and surveillance requirements for snubbers and pipe supports in accordance with the TS and the Code.

The inspector also reviewed Code ISI data for approximately ten supports to assess the methods and results of the inspection, and the adequacy of resolution of any identified problem by these examinations. No deficiency was identified.

3.3 Test and Repair of Shock Suppressors

The inspector reviewed the applicable procedures (Procedure 17.28) which provided necessary guidance for inspection, removal, disassembly, reassembly, repair, and installation of snubbers, and performed a walkthrough examination of the test and repair area.

The licensee has snubbers supplied by two vendors: ITT Grinnell and Lisega. Both are hydraulic types.

The licensee also has two different test machines: ITT Grinnell, Model 5434-3, and Leen, Model 510.

The licensee performs all snubber testing during an outage; thus, there was no activity in the snubber test or repair shop. The machines were inactive and no personnel were assigned in the area. The inspector had no questions in the area.

3.4 Walkthrough Inspection

The inspector performed a general walkthrough inspection of the accessible areas of the plant to assess the general condition of supports and snubbers. The inspection consisted of visual examination of accessible supports for form, fit, and function; general appearance of paint and coatings; identification; and any obvious signs of degradation, i.e., missing parts or fasteners, bent or out of alignment members; and verification of location and identification.

Based on the above examination, discussions with responsible personnel and review of records, the inspector determined that the general condition of snubbers and other supports was satisfactory. However, the inspector noticed that equipment and pipe supports other than snubbers and spring hangers were not consistently and clearly identified. The inspector brought this observation to the licensee's cognizant personnel.

The inspector also noticed that the housekeeping in the accessible areas were quite good.

4.0 CONCLUSIONS

Based on the above findings, the inspector concluded that the licensee's snubber and pipe support inspection and surveillance program met the requirements of TS and the applicable Code for safety-related supports and restraints.

5.0 EXIT INTERVIEW

At the conclusion of the inspection, the inspector met with licensee representatives on March 11, 1994, where the inspector summarized the scope and findings of this inspection. The licensee acknowledged and did not voice any objection to the findings.

ATTACHMENT I

Persons Contacted

Maine Yankee Atomic Power Company

R. Blackmore	Plant Manager
J. Brown	Plant Engineering Department
J. Connell	Licensing Section Head
J. Frothingham	Manager, Quality Programs
G. M. Leitch	Vice President - Operations
P. Mehlhorn	Plant Engineering Department
J. Packer	Plant Engineer
C. Rowe	QA Engineer
W. Schubert	Engineering Section Head
M. Veilleux	Manager, PED
J. Weast	Licensing Engineer

U.S Nuclear Regulatory Commission

J. Yerokun	Senior Resident Inspector
------------	---------------------------