

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

June 7, 1983 04 JUN 12 A 9:00

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

WATTS BAR NUCLEAR PLANT UNIT 1 - NRC-OIE REGION II INSPECTION REPORT
50-390/83-23 - INFORMATION SUBMITTAL

In my letter to E. G. Adensam dated July 7, 1983, TVA agreed to forward additional information concerning snubbers to you. The following information describes the program and provides the results to resolve item 2 of the subject report. As agreed with H. L. Whitener, of your staff, the following resolution was used:

1. Any snubber shown to have significant movement during the thermal expansion test would be exempt from additional stroke testing. A movement of one-eighth inch or more was considered to be significant.
2. Any snubber that has been tested since January 1, 1983, would be exempt from further stroke testing.
3. Any snubber which could be shown to have been properly protected from damage by shields, covers, or snubbers of a large size in limited access locations would be exempt from additional testing.
4. All remaining snubbers will be tested to show they are not seized, frozen, or jammed before fuel load.

Six systems were involved in the thermal expansion test. The following is a breakdown of how the snubbers were evaluated in the above program.

1. The Main Steam System (01) has 157 snubbers.

One hundred fifty-five snubbers met exemption No. 2 (57-PSA 1/4, 31-PSA 1, 15-PSA 3, 8-PSA 10, 7-PSA 35, 13-PSA 100, and 24-PSA 1/2).

Two snubbers were stroked (2-PSA 1/4).

2. The Feedwater System (03) has 118 snubbers.

Forty-three snubbers met exemption No. 2 (11-PSA 1/4, 8-PSA 1/2, 10-PSA 1, 10-PSA 3, 3-PSA 10, and 1-PSA 35).

8412010186 840607
PDR ADDCK 05000390
Q PDR

U.S. Nuclear Regulatory Commission

June 7, 1984

Eleven snubbers met exemption No. 1 (3-PSA 10, and 8-PSA 35).

Sixty-four snubbers were stroked (15-PSA 1/4, 8-PSA 1/2, 18-PSA 1, 21-PSA 3, and 2-PSA 10).

3. The Chemical and Volume Control System (62) has 233 snubbers.

Seventy snubbers met exemption No. 2 (48-PSA 1/4, 14-PSA 1/2, 6-PSA 1, and 2-PSA 3).

Thirty-eight snubbers met exemption No. 1 (20-PSA 1/4, 7-PSA 1/2, and 11-PSA 1).

One hundred twenty-five snubbers were stroked (76-PSA 1/4, 28-PSA 1/2, 17-PSA 1, and 4-PSA 3).

4. The Safety Injection System (63) has 199 snubbers.

Sixty-two snubbers met exemption No. 2 (35-PSA 1/4, 4-PSA 1/2, 5-PSA 1, 9-PSA 3, 6-PSA 10, and 2-PSA 35).

Thirty-six snubbers met exemption No. 1 (11-PSA 1/4, 1-PSA 1/2, 1-PSA 1, 15-PSA 3, 6-PSA 10, and 2-PSA 35).

Nine snubbers met exemption No. 3 (9-PSA 35 - a random sample of 3 snubbers were stroked to ensure assumption was correct).

Ninety-two snubbers were stroked (49-PSA 1/4, 12-PSA 1/2, 6-PSA 1, 20-PSA 3, and 5-PSA 10).

5. The Reactor Coolant System (68) has 176 snubbers.

Forty-five snubbers met exemption No. 2 (15-PSA 1/4, 9-PSA 1/2, 9-PSA 1/2, 9-PSA 1, 6-PSA 3, and 6-PSA 10).

Ninety-Six snubbers met exemption No. 1 (30-PSA 1/4, 10-PSA 1/2, 22-PSA 1, 21-PSA 3, 10-PSA 10, and 3-PSA 35).

Thirty-five snubbers were stroked (18-PSA 1/4, 10-PSA 1/2, 2-PSA 1, 3-PSA 3, and 2-PSA 10).

U.S. Nuclear Regulatory Commission

June 7, 1984

6. The Residual Heat Removal System (74) has 63 snubbers.

Seventeen snubbers met exemption No. 2 (7-PSA 1/4, 3-PSA 1/2, 2-PSA 1, 4-PSA 3, and 1-PSA 10).

Nineteen snubbers met exemption No. 1 (3-PSA 1/4, 4-PSA 1/2, 5-PSA 1, 4-PSA 3, 2-PSA 10, and 1-PSA 35).

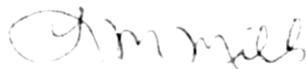
Twenty-seven snubbers were stroked (15-PSA 1/4, 5-PSA 1/2, 2-PSA 1, 3-PSA 3, 1-PSA 10, and 1-PSA 35).

As a result of the test program for snubbers not meeting the criteria for exceptions 1, 2, or 3, 345 snubbers were tested. Eighteen of these snubbers were found to be inoperable and were subsequently replaced with satisfactory ones. NCR No. W-166-P was written for 15 of the inoperable snubbers.

If you have any questions, please get in touch with R. H. Shell at FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



L. M. Mills, Manager
Nuclear Licensing

cc: Director of Nuclear Reactor Regulation
Attention: Ms. E. Adensam, Chief
Licensing Branch No. 4
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555