



Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381

JAN 26 1999

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of) Docket No. 50-390
Tennessee Valley Authority)

WATTS BAR NUCLEAR PLANT (WBN) - FIRE PROTECTION - TVA LETTER
DATED JANUARY 27, 1995 - THREE YEAR EVALUATION PERIOD
PERFORMANCE RESULTS

The purpose of this submittal is to provide test results from a three year performance evaluation of the High Pressure Fire Protection system. In a letter dated January 27, 1995, responding to NRC open issue number 5, TVA committed to a three year evaluation period to monitor the performance of the HPFP system and then submit the test results within 90 days after the first three years of plant operation. The enclosure provides a discussion of the review and evaluation of the test results. No new commitments have been made in this submittal.

If you have any questions, please call me at (423) 365-1824.

Sincerely,

P. L. Pace
Site Licensing and Industry Affairs

Enclosures
cc: See page 2

1/1

A006

9902020391 990126
PDR ADOCK 05000390
F PDR

U.S. Nuclear Regulatory Commission
Page 2

JAN 26 1999

cc (Enclosures):

NRC Resident Inspector
Watts Bar Nuclear Plant
1260 Nuclear Plant Road
Spring City, Tennessee 37381

Mr. Robert E. Martin, Senior Project Manager
U.S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Rockville, Maryland 20852

U.S. Nuclear Regulatory Commission
Region II
Atlanta Federal Center
61 Forsyth St., Suite 23T85
Atlanta, Georgia 30323

ENCLOSURE

HIGH PRESSURE FIRE PROTECTION SYSTEM THREE YEAR EVALUATION PERIOD PERFORMANCE RESULTS

DATA REVIEWED

A review of the data collected during the performance of procedure, 0-FOR-26-2, "3 Year High Pressure Fire Protection Hydraulic Performance Verification, " for the years 1995, 1996 and 1997 has been performed. The objective of the review was to determine if the High Pressure Fire Protection system exhibited any adverse trends which would preclude the extending of the existing 12 month test interval for 0-FOR-26-2 to a period consistent with the NFPA guidance and previous TVA commitments in the WBN Fire Protection Report [i.e., 36 months]

Specifically, test results for the 6 flow control valves, 12 hose stations, and 7 hydrants were reviewed. These system locations were selected to ensure that the most hydraulically demanding loops and representative of sprinkler systems, hose stations and fire hydrants. TVA has concluded that the review of the test results indicate that the HPFP system has not exhibited any adverse trends relative to piping degradation since the baseline test of 1995. Since no adverse trends have been indicated, it is acceptable to extend the performance of 0-FOR-26-2 to an interval consistent with the NFPA guidance and previous TVA commitments in the WBN Fire Protection Report.

Flow Control Valves

FCV-26-143 and -322
FCV-26-151 and -326
FCV-26-167
FCV-26-211

Hose Stations

0-ISV-26-1710 and 0-ISV-26-1711
0-ISV-26-1710
0-ISV-26-1711
0-ISV-26-654 and 0-ISV-26-655
0-ISV-26-654
0-ISV-26-655
0-ISV-26-565 and 0-ISV-25-566
0-ISV-26-566
0-ISV-26-565

Hydrants

0-HYD-26-535
0-HYD-26-574
0-HYD-26-627
0-HYD-26-632
0-HYD-26-664
0-HYD-26-819
Diesel Fire Pump Hydrant



Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381

JAN 26 1999

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of) Docket No. 50-390
Tennessee Valley Authority)

WATTS BAR NUCLEAR PLANT (WBN) - FIRE PROTECTION - TVA LETTER
DATED JANUARY 27, 1995 - THREE YEAR EVALUATION PERIOD
PERFORMANCE RESULTS

The purpose of this submittal is to provide test results from a three year performance evaluation of the High Pressure Fire Protection system. In a letter dated January 27, 1995, responding to NRC open issue number 5, TVA committed to a three year evaluation period to monitor the performance of the HPFP system and then submit the test results within 90 days after the first three years of plant operation. The enclosure provides a discussion of the review and evaluation of the test results. No new commitments have been made in this submittal.

If you have any questions, please call me at (423) 365-1824.

Sincerely,

P. L. Pace
Site Licensing and Industry Affairs

Enclosures
cc: See page 2

9902020391 990126
PDR ADOCK 05000390
F PDR

1/1
Acob

U.S. Nuclear Regulatory Commission
Page 2

JAN 26 1999

cc (Enclosures):

NRC Resident Inspector
Watts Bar Nuclear Plant
1260 Nuclear Plant Road
Spring City, Tennessee 37381

Mr. Robert E. Martin, Senior Project Manager
U.S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Rockville, Maryland 20852

U.S. Nuclear Regulatory Commission
Region II
Atlanta Federal Center
61 Forsyth St., Suite 23T85
Atlanta, Georgia 30323

ENCLOSURE

HIGH PRESSURE FIRE PROTECTION SYSTEM THREE YEAR EVALUATION PERIOD PERFORMANCE RESULTS

DATA REVIEWED

A review of the data collected during the performance of procedure, 0-FOR-26-2, "3 Year High Pressure Fire Protection Hydraulic Performance Verification, " for the years 1995, 1996 and 1997 has been performed. The objective of the review was to determine if the High Pressure Fire Protection system exhibited any adverse trends which would preclude the extending of the existing 12 month test interval for 0-FOR-26-2 to a period consistent with the NFPA guidance and previous TVA commitments in the WBN Fire Protection Report [i.e., 36 months]

Specifically, test results for the 6 flow control valves, 12 hose stations, and 7 hydrants were reviewed. These system locations were selected to ensure that the most hydraulically demanding loops and representative of sprinkler systems, hose stations and fire hydrants. TVA has concluded that the review of the test results indicate that the HPFP system has not exhibited any adverse trends relative to piping degradation since the baseline test of 1995. Since no adverse trends have been indicated, it is acceptable to extend the performance of 0-FOR-26-2 to an interval consistent with the NFPA guidance and previous TVA commitments in the WBN Fire Protection Report.

Flow Control Valves

FCV-26-143 and -322
FCV-26-151 and -326
FCV-26-167
FCV-26-211

Hose Stations

0-ISV-26-1710 and 0-ISV-26-1711
0-ISV-26-1710
0-ISV-26-1711
0-ISV-26-654 and 0-ISV-26-655
0-ISV-26-654
0-ISV-26-655
0-ISV-26-565 and 0-ISV-25-566
0-ISV-26-566
0-ISV-26-565

Hydrants

0-HYD-26-535
0-HYD-26-574
0-HYD-26-627
0-HYD-26-632
0-HYD-26-664
0-HYD-26-819
Diesel Fire Pump Hydrant