



Tennessee Valley Authority, P.O. Box 117, Spring City, Tennessee 37361

William J. Museler
Site Vice President
Watts Bar Nuclear Plant

APR 01 1993

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

Gentlemen:

In the Matter of the Application of)
Tennessee Valley Authority)

Docket Nos. 50-390
50-391

WATTS BAR NUCLEAR PLANT (WBN) - NRC BULLETIN 79-28 - POSSIBLE MALFUNCTION OF
NAMCO MODEL EA180 LIMIT SWITCHES AT ELEVATED TEMPERATURES - REVISED RESPONSE

The purpose of this letter is to revise TVA's response to the subject bulletin for WBN. In that response, dated March 28, 1980, TVA stated that no NAMCO EA180 limit switches with the referenced date code were identified in safety-related components at WBN. Subsequent to that response, EA180 limit switches with the date codes in question were installed in safety-related components, contrary to NAMCO recommendations. The cause of this inappropriate action is unknown; however, since those limit switches were installed, corrective actions have been taken to comply with the recommendations provided by NAMCO.

A letter from NAMCO Controls, dated August 30, 1979, stated that if NAMCO Model EA180 limit switches with the reference date code of 2/79 - 8/79 are in service and are subject to a continuous ambient temperature of more than 175°F, the switches should be inspected for deposits, the contacts cleaned, if necessary, and have the top cover gasket replaced. NAMCO's letter also stated that if the switches are in service in a continuous ambient temperature of 175°F or less, no action was necessary.

A review of the Environmental Data drawings has been made for normal continuous and abnormal intermittent temperatures and no locations were found to exceed 175°F. Since some devices could be exposed to an accident temperature greater than 175°F, a review was made of the Environmental Qualification (EQ) documentation for the 10 CFR 50.49 program. Model EA180 limit switches in the EQ program and manufactured between the dates of September 5, 1978 and July 30, 1980, are documented in a WBN EQ Binder. Of these limit switches, six have been identified as having date codes within

9304070094 930401
PDR ADDCK 05000390
Q PDR

JEH 1/0

U.S. Nuclear Regulatory Commission
Page 2

APR 01 1993

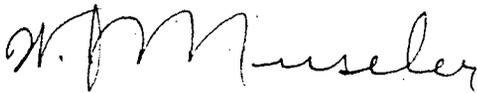
the range addressed in the subject NRC bulletin. The gaskets of these six limit switches have been replaced. The limit switches for the corresponding valves on Unit 2 were reviewed for generic applicability. Those switches were found to be NAMCO EA170s and, consequently, are not affected.

WBN Nuclear Stores reviewed stock items and Westinghouse valves for NAMCO EA180 limit switches. None were found for either Unit 1 or 2 within the referenced date codes.

No commitments are identified in this letter.

If you have any questions concerning this matter, please telephone John Vorees at (615) 365-8819.

Very truly yours,



William J. Museler

cc: NRC Resident Inspector
Watts Bar Nuclear Plant
P.O. Box 700
Spring City, Tennessee 37381

Mr. P. S. Tam, 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
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323