

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

December 12, 1980

Mr. James P. O'Reilly, Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Region II - Suite 3100  
101 Marietta Street  
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

OFFICE OF INSPECTION AND ENFORCEMENT BULLETIN 80-20 - RII:JPO 50-327,  
-328, -390, -391, -438, -439, -566, AND -567 - SEQUOYAH, WATTS BAR,  
BELLEFONTE, AND YELLOW CREEK NUCLEAR PLANTS - RESPONSE TO BULLETIN

The subject letter dated July 31, 1980, transmitted IE Bulletin 80-20 on Westinghouse Type W-2 Control Switches. Enclosed is our response for Sequoyah, Watts Bar, Bellefonte, and Yellow Creek Nuclear Plants. Our preliminary response to this bulletin was submitted on September 16, 1980. We expect to submit a report on our long-term corrective action by April 1, 1981. We will provide further estimates of manhour requirements in that report.

If you have any questions, please get in touch with D. L. Lambert at FTS 857-2581.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*L. M. Mills*

L. M. Mills, Manager  
Nuclear Regulation and Safety

Enclosure

cc: Director, Division of Reactor  
Operations Inspection (Enclosure)  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

ENCLOSURE

SEQUOYAH, WATTS BAR, BELLEFONTE, AND YELLOW CREEK NUCLEAR PLANTS  
REPOSE TO IE BULLETIN 80-20  
WESTINGHOUSE TYPE W-2 CONTROL SWITCHES

Sequoyah and Watts Bar

Westinghouse Electric Corporation's Type W-2 Control Switches with spring return to neutral position are being used in safety-related applications at Sequoyah (130 switches) and Watts Bar (135 switches). The safety-related systems using the Westinghouse W-2 switches are listed below.

System

Main steam including generator blowdown  
Main and auxiliary feedwater  
High-pressure fire protection  
Diesel-generator, turbine, auxiliary  
control and reactor buildings ventilation  
Control building, heating and air conditioning  
Auxiliary building, additional equipment  
building, and fuel handling, heat, and air  
conditioning  
Associated electrical systems  
Chemical and volume control  
Safety injection  
Emergency gas treatment  
Essential raw cooling water  
Reactor coolant  
Component cooling  
Containment spray system  
Residual heat removal

For Sequoyah unit 1, a continuity test was completed on all the Westinghouse Type W-2 switches on August 13, 1980. There were no failures found. The continuity test will be repeated every 31 days for applicable switches listed in TVA's Special Maintenance Instruction (SMI) 0-317-14. In addition, those switches listed in SMI 0-317-14 that have neutral contacts implemented will be tested in accordance with SMI 0-317-14 after each manipulation.

TVA is following the Westinghouse Electric Corporation Fatigue Failure Test Program for W-2 switches. The long-term corrective action is expected to be submitted by April 1, 1981.

Bellefonte

At Bellefonte Nuclear Plant, 22 Westinghouse W-2 switches with spring return to neutral are being used in safety-related applications. All of the switches are located on low-voltage switchgear boards, and the neutral position contact is not being used on any of the switches. A note will be added to the applicable low-voltage switchgear drawings stating that the neutral position contact shall not be used because of its potential unreliability.

Yellow Creek

Westinghouse W-2 switches with spring return to neutral are not being used in safety-related applications.