

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

MAY 26 1988

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

Gentlemen:

In the Matter of ) Docket Nos. 50-327  
Tennessee Valley Authority ) 50-328

SEQUOYAH NUCLEAR PLANT (SQN) - NRC BULLETIN NUMBER 88-01 INSPECTION STATUS

- References:
1. NRC Bulletin Number 88-01: Defects in Westinghouse Circuit Breakers, dated February 5, 1988
  2. TVA letter to NRC dated February 27, 1988, "Sequoyah Nuclear Plant (SQN) - NRC Bulletin Number 88-01: Defects in Westinghouse Circuit Breakers"
  3. TVA letter to NRC dated March 18, 1988, "Sequoyah Nuclear Plant (SQN) - NRC Bulletin No. 83-01 Schedule Update"
  4. NRC letter to TVA dated April 5, 1988, "Responses to NRC Bulletin 88-01 (TAC R00326/R00327)"

This letter is to update NRC with the status of SQN's ongoing inspections of Westinghouse Electric Corporation (W) type DS-206 and DS-416 pole shaft weld inspections as provided to TVA in reference 1. TVA provided NRC with their current inspection schedule in reference 2 and then updated NRC on this schedule and preliminary inspection results in reference 3. NRC requested in reference 4 that TVA immediately identify any problems with other breakers inspected and the corrective actions to be taken for these breakers.

The enclosure provides an updated version of the status previously transmitted to NRC by telecopy on April 14, 1988. TVA has completed inspections of the 49 breakers identified in references 2 and 3 that were scheduled to be inspected by mid-April 1988. As of May 3, 1988, TVA has completed inspections on 60 W breakers and has installed 41 new pole shafts. Fourteen breakers are currently included under the reinspection criteria in accordance with section 6.2.2 of reference 1. This number also includes five type DS-206 breakers whose No. 5 welds were approved for operation for the remainder of SQN unit 2 cycle 3 by W.

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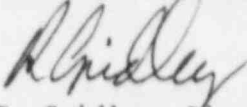
Currently, TVA is planning to continue scheduling pole-shaft inspections and repairs and/or replacements in order to ensure SQN meets the commitments made by reference 2. This continuation of the work will be determined in a large part by the following factors. First, the outage of the remaining breakers will be determined by and coordinated with SQN Operations Staff to ensure plant conditions will allow the breakers and affected equipment to be removed from service without degrading plant safety. Second, the availability of replacement or repaired pole shafts to complete the work will be a factor in order to reduce the number of times the breaker must be removed from service. And finally, the normal scheduled workload of the maintenance group involved in these inspections of the pole shafts and their repair or replacement will determine the number of inspections done before the next scheduled refueling outage on unit 2. Unit 1 inspections and rework will continue to be scheduled to meet the unit 1 restart schedule.

TVA has developed a repair procedure to upgrade the welds to meet NRC Bulletin No. 88-01 requirements. This procedure is currently being evaluated and approved for use in Special Maintenance Instruction O-317-78 and should be available for implementation within the next month.

Upon completion of these inspections, TVA will provide NRC with their results in accordance with the requirement provided in reference 1. If any other information is required, please telephone B. A. Kimsey at (615) 870-6847.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

  
R. Gridley, Director  
Nuclear Licensing and  
Regulatory Affairs

Enclosure  
cc: See page 3

U.S. Nuclear Regulatory Commission

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Enclosure  
cc (Enclosure):

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## ENCLOSURE

## SQN STATUS SHEET AND INSPECTION RESULTS OF WESTINGHOUSE ELECTRIC CORPORATION (W) DS-206 AND -416 BREAKERS

## INSPECTIONS IN ACCORDANCE WITH NRC BULLETIN NO. 88-01

Breaker Type DS	Total No. Inspected to Date	Weld Nos. 2, 3, & 6 Short-Term Inspections		Weld Nos. 1, 4, 5, & 7 Long-Term Inspections 7.1 No. Passed	W Engr Weld Evaluation	No. of New Pole Shafts Installed	No. of Pole Shafts Repaired	No. of Breakers Under 6.2.2 Criteria
		6.1.1 No. Passed	6.1.2 No. Passed					
416	10	2	6	5	* 1	7	0	2
206	50	10	23	19	W 5	34	0	7
Subtotal	60	12	29	24	6	41	0	9

## Notes:

Two of the total 60 breakers inspected were spare breakers.

\* No. 5 weld rejected by W for use. Replaced pole shaft.

W No. 5 welds accepted by W for use through the remainder of SQN unit 2 cycle 3.

7 pole shafts were replaced even though they passed the 6.1.2 and 7.1 criteria.

2 pole shafts were replaced after failing to pass the 6.1.1 criteria only.

The current number of breakers that fall into the reinspection category for a maximum of 200 cycles of breaker operation is 9 (under 6.2.2) plus the 5 (accepted by W evaluation) for a total of 14 breakers.

Data Date: May 3, 1988