

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

August 2, 1985

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

Dear Ms. Adensam:

In the Matter of the Application of ) Docket Nos. 50-390  
Tennessee Valley Authority ) 50-391

Please reference J. A. Domer's letter to you dated June 20, 1985 concerning unmarked bolts on vendor supplied equipment at our Watts Bar Nuclear Plant. The purpose of this letter is to provide correction to the supplied material regarding discussion of the containment spray pump bolting material investigation and provide final results of this investigation.

The referenced letter identified the containment spray pump motor to baseplate bolting material to be ASTM A449, as installed. Westinghouse letter WAT-D-6583 specified the motor to baseplate bolting material to be ASTM A193 Grade B7. As a result of this apparent nonconformance, TVA generated NCR WBN NEB 8510.

Subsequent visual examination of the containment spray pump motor to baseplate bolts has identified the bolts, in fact, to be ASTM A193 Grade B7 (B7 markings were found on the bolt heads). Therefore, the bolting material, as installed, coincides with the material specified in Westinghouse letter WAT-D-6583 (enclosure 1). TVA has issued a memorandum closing NCR WBN NEB 8510 (B45 850724 269) and documented this material conformance in the corrective action section of the NCR.

The ASTM A449 material originally identified as containment spray pump motor to baseplate bolting is actually frame support to baseplate bolting, as installed. TVA requested Westinghouse to provide documentation on specified material for the containment spray pump frame support to baseplate bolting. Westinghouse issued letter WAT-D-6631 (enclosure 2) dated July 15, 1985, indicating the frame support to baseplate material as specified to be ASTM A449 or ASTM A193 Grade B7. The containment spray pump frame support to baseplate material, as installed, coincides to the material specified and no further investigation by TVA is required.

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Director of Nuclear Reactor Regulation

August 2, 1985

Based on these results, TVA considers all work required as a result of the NRC investigation from April 29 to May 3, 1985, regarding control of small bolting to be complete and no further action is required.

If you have any question concerning this matter, please get in touch with me at FTS 858-2688 in Chattanooga.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*R. H. Shell*

R. H. Shell  
Nuclear Engineer

Sworn to and subscribed before me  
this 2<sup>nd</sup> day of August 1985

*Paulette H. White*

Notary Public

My Commission Expires 8-24-88

Enclosures

cc: U.S. Nuclear Regulatory Commission (Enclosures)  
Region II  
Attention: Dr. J. Nelson Grace, Regional Administrator  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

WAT-D-6583

Westinghouse  
Electric Corporation

Water Reactor  
Divisions

Nuclear Operations Division

Box 355  
Pittsburgh Pennsylvania 15230

June 3, 1985

TVA Contract No. 71C62-54114-

S.O. No: WAT/WBT-205

Ref: WAT-D-5777

JUN 07 1985

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CCB				
MLB				
NEB DSG				
NEB OSG				
NEB ASG				
NEB NAL				

Mr. J. A. Raulston  
Chief Nuclear Engineer  
TENNESSEE VALLEY AUTHORITY  
400 West Summit Hill Drive, W10 C126  
Knoxville, TN 37902

**SQUAD CHECKS**

FULL REVIEW

REVIEW OF SPECIFIC ASPEC

NO REVIEW

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**TENNESSEE VALLEY AUTHORITY  
WATTS BAR NUCLEAR PLANT  
UNIT NUMBERS 1 and 2  
BOLTING MATERIAL FOR VARIOUS PUMPS (205-30)**

Dear Mr. Raulston:

Westinghouse letter WAT-D-5777 previously provided the bolt size, the bolt material, the bolt torquing requirements and the bolt torquing sequence for both motor hold down and pump baseplate foundation bolts for the noted pumps. TVA letter W-5152 requested this information.

Westinghouse has recently reviewed this information and the seismic reports for the pumps referred to in the above letters and find this data to be accurate with one exception. The "TABLE IV" information is for the spent fuel pit cooling pump and not for the containment spray pumps. The containment spray pump data is attached to this letter although previously transmitted. We hope this will assist you in answering the NRC questions regarding bolts.

Please also be informed that Westinghouse is still investigating the issue of motor hold down bolts with respect to the seismic design report call out versus the actual material lists used by the suppliers in assembling the pumps. This effort is continuing since in at least one instance (non TVA pump) the motor hold down bolts identified by a suppliers material list and the suppliers design requirements were found to be inconsistent. We will advise you of our findings at a later date.

Approved by [Signature]

ADVANCE COPY OF THIS LETTER  
SENT TO WEP & RMP

MASTER FILE  
RIMS, SL26 C-K

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Westinghouse Electric Corporation

Water Reactor Divisions

WAT-D-6631

Nuclear Operations Division

Box 355  
Pittsburgh Pennsylvania 15230

JUL 16 1985

JAR: JES	DRAFT REPLY	COM. INFO	INFO COPY	DUE DATE
CC:				
EEB				
CEB				
MEB				
NEB DSG				
NEB CSG				
NEB SSG				
NEB NAL				

July 15, 1985

TVA Contract No. 71C62-54114

S.O. No: WAT/WBT-205

Mr. J. A. Raulston  
Chief Nuclear Engineer  
TENNESSEE VALLEY AUTHORITY  
400 West Summit Hill Drive, W10 C126  
Knoxville, TN 37902

TENNESSEE VALLEY AUTHORITY  
WATTS BAR NUCLEAR PLANT  
UNIT NUMBERS 1 and 2  
CONTAINMENT SPRAY PUMP BOLTING

SQUAD CHECKS	
<input type="checkbox"/>	FULL REVIEW
<input type="checkbox"/>	REVIEW OF SPECIFIC ASPECTS
<input type="checkbox"/>	NO REVIEW
<input type="checkbox"/>	

Dear Mr. Raulston:

This letter is written to identify the following bolts used on containment spray pump. These bolts are used to attach the Frame Support, Part #5331 on B & W pump assembly drawing 71-600-186, to the baseplate.

Hex Head Cap Screws Qty - 2  
1" 8UNC X 2" long GR B7  
ASTM A449 or ASTM A193-GR B8 KBN per EAN  
Torque - 200 to 250 ft. lbs. 7/17/85

The Frame Support is not considered as a structural member of the pump assembly. It's function is to limit vibration of the being assembly.

If we may be of further assistance, please call.

Very truly yours,

WESTINGHOUSE ELECTRIC CORPORATION

*Edward A. Novotnak*

Edward A. Novotnak, Manager  
Tennessee Valley Authority Projects

ADVANCE COPY OF THIS LETTER  
SENT TO WBP & RMP

AMM/bdm/5972d:1

cc: J. A. Raulston  
J. Larkin  
I. R. Williamson  
R. G. Williams  
J. W. Hufham

Approved by 128

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1L  
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1L

MASTER FILE

RIMS, SL26 C-K

B45 '85 07 16 600

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