ROSSI

Bill Jones

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85-166

Publicly Available

Westinghouse Electric Corporation

Water Reactor Divisions

Box 355
Pittsburgh Pennsylvania 15230

This is a supplement to a previous report. Nat Villalva is working on the problem. Make sure he gets a copy of this if he doesn't already have one.
Emil

March 20, 1985

NS-NRC-85-3023

Mr. James M. Taylor
Division of Inspection and Enforcement
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Phillips Building
7920 Norfolk Avenue
Bethesda, Maryland 20014

Dear Mr. Taylor:

On September 14, 1984 Westinghouse notified the NRC (NS-EPR-2961, E. P. Rahe to R. C. DeYoung) of an unreviewed safety question regarding the capacitor terminations used in General Electric ferro-resonant transformers utilized in Westinghouse vital 7.5 KVA inverters. As a followup, a copy of the Westinghouse technical bulletin discussing this issue, NSID-TB-84-08, was sent to Mr. I. Villalva of the Events Analysis Branch on October 2, 1984. This technical bulletin recommended a 20 pound pull test to confirm correct connector make-up.

Westinghouse has recently performed an analysis and determined that a pull test minimum of 5 pounds force would provide conservative margin for seismic requirements. NSID-TB-84-08, Addendum A, provides this information to our customers. A copy of this addendum is attached for your information.

If you require additional information on this subject, please contact J. A. Achenbach (412-374-4041) or C. G. Draughon (412-374-5761) of my staff.

Very truly yours,

E. P. Rahe, Jr., Manager
Nuclear Safety Department

0285G/JAA/KEG

EAB NAT
closeout Rev 1 to IN.

Attachment

cc: I. Villalva, NRC

IE19

NSID Nuclear Services Integration Division

Westinghouse Technical Bulletin

An advisory notice of a recent technical development pertaining to the installation or operation of Westinghouse-supplied Nuclear Plant equipment. Recipients should evaluate the information and recommendation, and initiate action where appropriate.

P.O. Box 2728, Pittsburgh, PA 15230

Subject: INVERTER CAPACITOR CONNECTIONS		Number: Addendum A NSID-TB-84-08
System(s): STATIC INVERTER		Date: March 7, 1985
Affected Plants: (SEE Attachment to Original Document)		S.O.(s): 385
References: NSID-TB-84-08	Affects Safety Related Equipment: Yes ☒ No ☐	Sheet 1 Of 1

The original issue of this Technical Bulletin 84-08, dated 9/20/84 recommended special inspections and tests for potentially incorrect wire termination methods on tuning capacitors in GE ferroresonant transformers. The information dealt with the manner of assembly of fast-on connectors, and part (C) of the Recommended Action transmitted a recommendation of a 20 pound pull test to confirm correct connector make-up.

Subsequent on-site testing revealed that many properly assembled connectors would not withstand this 20 pound pull test, and Westinghouse undertook additional analyses to determine the pull test criteria which would be in keeping with seismic requirements.

It has been established that a pull test minimum of 5 pounds force provides a conservative margin for seismic requirements. Therefore, the 20 pound force indicated in the original Bulletin may be reduced accordingly.

All other statements and recommendations published in the original Bulletin remain valid.

Additional Information, if Required, may be Obtained from the Originator. Telephone 412- 733-6399 or (WIN) 286-6399

Originator: T. C. Burlas

T. C. Burlas

Electrical Power Systems

Approval: J. R. Terry

J. R. Terry, Manager

Electrical & Instrumentation Svcs