

ENCLOSURE 2

**WATTS BAR NUCLEAR PLANT (WBN) UNIT 2 – INSTRUMENTATION AND CONTROLS
STAFF INFORMATION REQUESTS**

**WEC non-proprietary version of WBT-D-3753 NP-Enclosure,
“Clarification of Dielectric Withstand Testing in Response to WNA-CN-00157-WBT
Watts Bar 2,” Dated January 2012**

WBT-D-3753 NP-Enclosure

**Clarification of Dielectric Withstand Testing in Response to
WNA-CN-00157-WBT**

Watts Bar 2

January 2012

Westinghouse Electric Company LLC
1000 Westinghouse Drive
Cranberry Township, PA 16066

©2012 Westinghouse Electric Company LLC
All Rights Reserved

Westinghouse Non-Proprietary Class 3

A teleconference was held on December 8, 2011, between Westinghouse, TVA, and the NRC to discuss the Watts Bar Unit 2 incore instrumentation system. During the teleconference, clarification was requested regarding the 600V dielectric testing performed in response to an open item in Westinghouse calculation WNA-CN-00157-WBT-P (Reference 1). The open item required dielectric withstanding voltage testing for the Incore Instrument Thimble Assembly (IITA) and interfacing []^{a,c} cable. The IITA was tested as a complete assembly as documented in Reference 2.

[

] ^{a,c}

To summarize one of the key points of WNA-CN-00157-WBT-P, dielectric withstanding voltage testing of the IITA and the interfacing []^{a,c} cable demonstrates that the maximum credible fault in the self-powered neutron detector MI cables will not propagate to the safety-related CET.

As described in WNA-CN-00157-WBT-P, dielectric withstanding voltage testing of the IITA was completed and is documented in Reference 2. Dielectric withstanding voltage testing of the interfacing []^{a,c} cable has also been completed and documented in Reference 3.

References

- 1) WNA-CN-00157-WBT-P, Revision 1, "Watts Bar 2 Incore Instrument System (IIS) Signal Processing System (SPS) Isolation Requirements", (Westinghouse Proprietary Class 2), November 2011.
- 2) Report Number 021-8559, "WINCISE Watts Bar IITA Dielectric Report", Rev. 00, Mirion Technologies Sensing Systems Division (IST Canada) Inc., November 2011.
- 3) LTR-ME-10-3, "Watts Bar 2 Incore Instrumentation System Dielectric Characteristics of Completed MI Cable Assemblies", (Westinghouse Proprietary Class 2), January 2010.

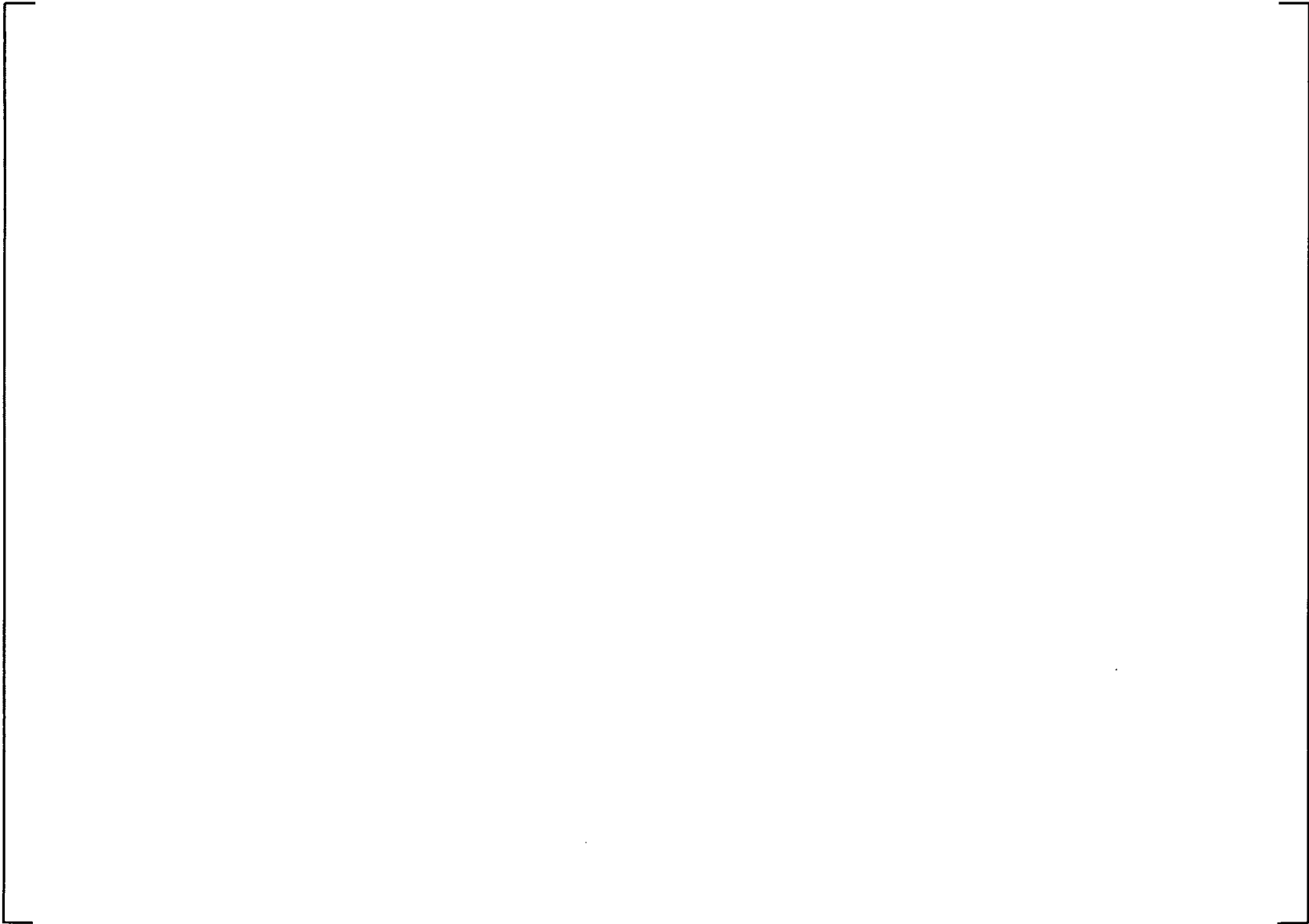


Figure 1 Incore Instrumentation System

ENCLOSURE 3

**WATTS BAR NUCLEAR PLANT (WBN) UNIT 2 – INSTRUMENTATION AND CONTROLS
STAFF INFORMATION REQUESTS**

**WEC non-proprietary document CWA-12-3378,
“Application for Withholdings Information From Public Disclosure
WBT-D-3753 P-Enclosure, ‘Clarification of Dielectric Withstand Testing in Response to
WNA-CN-00157-WBT,’ (Proprietary),” Dated January 27, 2012**



Westinghouse Electric Company
Nuclear Services
1000 Westinghouse Drive
Cranberry Township, Pennsylvania 16066
USA

U.S. Nuclear Regulatory Commission
Document Control Desk
11555 Rockville Pike
Rockville, MD 20852

Direct tel: (412) 374-4643
Direct fax: (724) 720-0754
e-mail: greshaja@westinghouse.com
Proj letter: WBT-D-3753

CAW-12-3378

January 27, 2012

APPLICATION FOR WITHHOLDING PROPRIETARY
INFORMATION FROM PUBLIC DISCLOSURE

Subject: WBT-D-3753 P-Enclosure, "Clarification of Dielectric Withstand Testing in Response to WNA-CN-00157-WBT" (Proprietary)

The proprietary information for which withholding is being requested in the above-referenced report is further identified in Affidavit CAW-12-3378 signed by the owner of the proprietary information, Westinghouse Electric Company LLC. The affidavit, which accompanies this letter, sets forth the basis on which the information may be withheld from public disclosure by the Commission and addresses with specificity the considerations listed in paragraph (b)(4) of 10 CFR Section 2.390 of the Commission's regulations.

Accordingly, this letter authorizes the utilization of the accompanying affidavit by Tennessee Valley Authority.

Correspondence with respect to the proprietary aspects of the application for withholding or the Westinghouse affidavit should reference this letter, CAW-12-3378, and should be addressed to J. A. Gresham, Manager, Regulatory Compliance, Westinghouse Electric Company, Suite 428, 1000 Westinghouse Drive, Cranberry Township, Pennsylvania 16066.

Very truly yours,

A handwritten signature in black ink, appearing to read "J. A. Gresham", written over a horizontal line.

J. A. Gresham, Manager
Regulatory Compliance

Enclosures