



Westinghouse Electric Company
Nuclear Power Plants
P.O. Box 355
Pittsburgh, Pennsylvania 15230-0355
USA

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

Direct tel: 412-374-6306
Direct fax: 412-374-5005
e-mail: sterdia@westinghouse.com

Your ref: Project Number 740
Our ref: DCP/NRC2073

January 16, 2008

Subject: AP1000 COL Response to Request for Additional Information (TR 103)

In support of Combined License application pre-application activities, Westinghouse is submitting a response to the NRC request for additional information (RAI) on AP1000 Standard Combined License Technical Report 103, APP-GW-GLN-019, "Fluid System Changes". This RAI response is submitted as part of the NuStart Bellefonte COL Project (NRC Project Number 740). The information included in the response is generic and is expected to apply to all COL applications referencing the AP1000 Design Certification.

A response is provided for RAI-TR103-EMB2-01 as sent in an email from Dave Jaffe to Sam Adams dated December 5, 2007. This response is the fourth of seven total requests received to date for Technical Report 103. Responses for RAI-TR103-SBPA-01 and -02, and RAI-TR103-SPCV-01 were submitted under Westinghouse letter DCP/NRC2039 on November 9, 2007.

Pursuant to 10 CFR 50.30(b), the response to the request for additional information on Technical Report 103, is submitted as Enclosure 1 under the attached Oath of Affirmation.

Questions or requests for additional information related to the content and preparation of this response should be directed to Westinghouse. Please send copies of such questions or requests to the prospective applicants for combined licenses referencing the AP1000 Design Certification. A representative for each applicant is included on the cc: list of this letter.

Very truly yours,

Mont D. Bentley FOR

A. Sterdis, Manager
Licensing and Customer Interface
Regulatory Affairs and Standardization

/Attachment

1. "Oath of Affirmation," dated January 16, 2008

/Enclosure

1. Response to Request for Additional Information on Technical Report No. 103

cc:	D. Jaffe	- U.S. NRC	1E	1A
	E. McKenna	- U.S. NRC	1E	1A
	G. Curtis	- TVA	1E	1A
	P. Hastings	- Duke Power	1E	1A
	C. Ionescu	- Progress Energy	1E	1A
	A. Monroe	- SCANA	1E	1A
	J. Wilkinson	- Florida Power & Light	1E	1A
	C. Pierce	- Southern Company	1E	1A
	E. Schmiech	- Westinghouse	1E	1A
	G. Zinke	- NuStart/Entergy	1E	1A
	R. Grumbir	- NuStart	1E	1A
	A. Pfister	- Westinghouse	1E	1A

ATTACHMENT 1

“Oath of Affirmation”

ATTACHMENT 1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of:)
NuStart Bellefonte COL Project)
NRC Project Number 740)

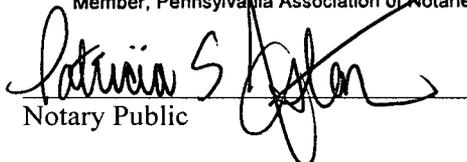
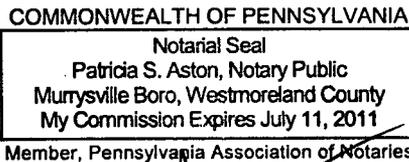
APPLICATION FOR REVIEW OF
"AP1000 GENERAL COMBINED LICENSE INFORMATION"
FOR COL APPLICATION PRE-APPLICATION REVIEW

W. E. Cummins, being duly sworn, states that he is Vice President, Regulatory Affairs & Standardization, for Westinghouse Electric Company; that he is authorized on the part of said company to sign and file with the Nuclear Regulatory Commission this document; that all statements made and matters set forth therein are true and correct to the best of his knowledge, information and belief.



W. E. Cummins
Vice President
Regulatory Affairs & Standardization

Subscribed and sworn to
before me this 16th day
of January 2008.



Notary Public

ENCLOSURE 1

Response to Request for Additional Information on Technical Report No. 103

AP1000 TECHNICAL REPORT REVIEW

Response to Request For Additional Information (RAI)

RAI Response Number: RAI-TR103-EMB2-01

Revision: 0

Question:

In adding an open orifice bypass around a normally closed valve in the SGS Main Steam line condensate drain, clarify if this change affects the quality class downstream of the closed valve in the Turbine Building and explain the basis for the classification.

Westinghouse Response:

The change does not affect the quality class of the downstream piping. The downstream piping is classified as EUC piping. At the transition from the Auxiliary Building to the Turbine Building, the piping class changes from EUC to ECE. Placing a 1" bypass line, which includes a plug resistant orifice, around control valve V086 A/B will allow condensate to be constantly drained to the Turbine Drain System without the need for continually opening / closing the control valve. The drain configuration consists of additional upstream and downstream isolation valves, V093A/B and V095A/B. The two upstream isolation valves, V093A/B and V036A/B, provide the required isolation capability.

Design Control Document (DCD) Revision:

None

PRA Revision:

None

Technical Report (TR) Revision:

None

