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U.S. Nuclear Regulatory Commission  
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Your ref: Project Number 740  
Our ref: DCP/NRC1753

June 30, 2006

Subject: AP1000 COL Technical Report Submittal

In support of Combined License application pre-application activities, Westinghouse is submitting AP1000 Standard Combined License Technical Report Number 45. This report completes and documents, on a generic basis, the activities required for COL Information Items 9.5-5 in the AP1000 Design Control Document. This report is submitted as part of the NuStart Bellefonte COL Project (NRC Project Number 740). The information included in this report is generic and is expected to apply to all COL applications that reference the AP1000 Design Certification.

The purpose for the submittal of this report was explained in a March 8, 2006 letter from NuStart to the NRC.

Pursuant to 10 CFR 50.30(b), APP-GW-GLR-027, Rev. 1, "Operator Actions Minimizing Spurious ADS Actuations," Technical Report Number 45, is submitted as Enclosure 1 under the attached Oath of Affirmation.

Procedures used in the evaluation that is documented in this report are available for NRC review at the Westinghouse offices. It is expected that when the NRC review of Technical Report Number 45 reports is complete, COL Information Item 9.5-5 will be considered complete for COL applicants referencing the AP1000 Design Certification.

Questions or requests for additional information related to the content and preparation of these reports 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,

A handwritten signature in black ink, appearing to read 'A. Sterdis'.

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

A handwritten number '1079' in black ink.

/Attachment

1. "Oath of Affirmation," dated June 30, 2006

/Enclosure

1. APP-GW-GLR-027, Rev. 1, "Operator Actions Minimizing Spurious ADS Actuations," Technical Report Number 45, dated June 29, 2006

cc:	S. Bloom	- U.S. NRC	1A	1E
	S. Coffin	- U.S. NRC	1A	1E
	G. Curtis	- TVA	1A	1E
	P. Grendys	- Westinghouse	1A	1E
	P. Hastings	- Duke Power	1A	1E
	C. Ionescu	- Progress Energy	1A	1E
	D. Lindgren	- Westinghouse	1A	1E
	A. Monroe	- SCANA	1A	1E
	M. Moran	- Florida Power & Light	1A	1E
	C. Pierce	- Southern Company	1A	1E
	E. Schmiech	- Westinghouse	1A	1E
	G. Zinke	- NuStart/Entergy	1A	1E

DCP/NRC1753  
June 30, 2006

## ATTACHMENT 1

### Oath of Affirmation

ATTACHMENT 1

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

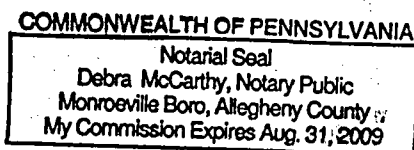
In the Matter of: )  
NuStart Bellefonte COL Project )  
NRC Project Number 740 )

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

Bruce W. Bevilacqua, being duly sworn, states that he is Vice President, New Plants Engineering, 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.

*Bruce W. Bevilacqua*  
Bruce W. Bevilacqua  
Vice President  
New Plants Engineering

Subscribed and sworn to  
before me this 30<sup>th</sup> day  
of June 2006.



Member, Pennsylvania Association of Notaries  
Notary Public

DCP/NRC1753  
June 30, 2006

ENCLOSURE 1

APP-GW-GLR-027, Rev.1 0

“Operator Actions Minimizing Spurious ADS Actuations”

Technical Report Number 45

# AP1000 DOCUMENT COVER SHEET

TDC:

Permanent File:

APY

RFS#:

RFS ITEM #:

AP1000 DOCUMENT NO. APP-GW-GLR-027	REVISION NO. 1	Page 1 of 24	ASSIGNED TO W-Winters
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ALTERNATE DOCUMENT NUMBER:

WORK BREAKDOWN #: GW

ORIGINATING ORGANIZATION: Westinghouse Electric Company

TITLE: Operator Actions Minimizing Spurious ADS Actuation

ATTACHMENTS:	DCP #/REV. INCORPORATED IN THIS DOCUMENT REVISION:
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CALCULATION/ANALYSIS REFERENCE:	
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ELECTRONIC FILENAME APP-GW-GLR-027 r1.doc	ELECTRONIC FILE FORMAT WORD	ELECTRONIC FILE DESCRIPTION Text file
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Class 3 Documents being transmitted to the NRC require the following two review signatures in lieu of a Form 36.

LEGAL REVIEW J. C. VALENTINE	SIGNATURE/DATE SEE BELOW
PATENT REVIEW Frederick L. Carpentino	SIGNATURE/DATE <i>[Signature]</i> F. Carpentino 6-29-06



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ORIGINATOR T. Hayes	SIGNATURE/DATE <i>T.P. Hayes</i> 6/27/2006	
REVIEWERS M. Olmstead	SIGNATURE/DATE <i>T.P. Hayes / for</i> 6/29/2006	
<i>LEGAL</i>	<i>J.C. Valentine</i> 6/29/2006	
VERIFIER D. Li	SIGNATURE/DATE <i>D. Li</i> 6/29/2006	VERIFICATION METHOD <i>page by page</i>
AP1000 RESPONSIBLE MANAGER T. Schulz	SIGNATURE* <i>T. Schulz</i> 6/29/06	APPROVAL DATE 6/29/06

\* Approval of the responsible manager signifies that document is complete, all required reviews are complete, electronic file is attached and document is released for use.