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U.S. Nuclear Regulatory Commission  
ATTENTION: Document Control Desk  
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Your ref: Project Number 740  
Our ref: DCP/NRC1752

June 30, 2006

Subject: AP1000 COL Technical Report Submittal

In support of Combined License application pre-application activities, Westinghouse has submitted a reference report, WCAP-16361-P, Revision 0, for the AP1000 Standard Combined License Technical Report Number 28. The report enclosed herein is the non-proprietary version of WCAP-16361-P transmitted as an Enclosure to Westinghouse letter DCP/NRC1744.

An Application for Withholding of WCAP-16361-P was enclosed with Westinghouse letter DCP/NRC1745. The purpose for the submittal of this report was explained in a March 8, 2006 letter from NuStart to the NRC. This report completes and documents, on a generic basis, activities required for COL information Item 7.1-1 in the AP1000 Design Control Document. This report is referenced by APP-GW-GLR-024, Rev. 0, "AP1000 Setpoint Calculations for Protective Functions," (Technical Report 28).

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 projects referencing the AP1000 Design Certification.

Pursuant to 10 CFR 50.30(b), WCAP-16361-NP, Rev. 0, (Non-Proprietary), "Westinghouse Setpoint Methodology for Protection Systems – AP1000," is submitted with this letter as Enclosure 1 under the attached Oath of Affirmation.

It is expected that when the NRC review of APP-GW-GLR-024, Rev. 0 and WCAP-16361-P, Rev. 0 is complete, COL Information Item 7.1-1 will be considered complete for COL applicants referencing the AP1000 Design Certification.

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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,



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

/Attachment

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

/Enclosure

1. WCAP-16361-NP, Rev. 0, Non-Proprietary, "Westinghouse Setpoint Methodology for Protection Systems – AP1000," dated May 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/NRC1752  
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.

COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Debra McCarthy, Notary Public  
Monroeville Boro, Allegheny County  
My Commission Expires Aug. 31, 2009  
Member, Pennsylvania Association of Notaries

Notary Public

DCP/NRC1752  
June 30, 2006

ENCLOSURE 1

WCAP-16361-NP, Rev. 0

(Non-Proprietary)

“Westinghouse Setpoint Methodology for Protection Systems – AP1000”

dated May 2006