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U.S. Nuclear Regulatory Commission  
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Your ref: Project Number 740  
Our ref: DCP/NRC2079

January 29, 2008

52-86  
52-14  
52-15

Subject: AP1000 COL Response to Request for Additional Information (TR 81)

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 81, APP-GW-GLR-081, Revision 1, "Closure of COL Information Item 18.5-1, Task Analysis". 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-TR81-COLP-01 as confirmed in an email from Mike Miernicki to Sam Adams dated December 17, 2007. This response completes all requests received to date for Technical Report 81.

Pursuant to 10 CFR 50.30(b), the response to the request for additional information on Technical Report 81, 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,

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

D085  
D063

NRO

/Attachment

1. "Oath of Affirmation," dated January 29, 2008

/Enclosure

1. Response to Request for Additional Information on Technical Report No. 81

cc:	D. Jaffe	- U.S. NRC	1E	1A
	E. McKenna	- U.S. NRC	1E	1A
	P. Ray	- TVA	1E	1A
	P. Hastings	- Duke Power	1E	1A
	R. Kitchen	- 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
	P. Hunton	- 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

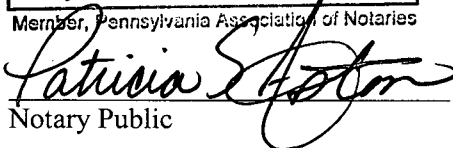
W. E. Cummins, being duly sworn, states that he is Vice President, Regulatory Affairs and Standardization, for Westinghouse Electric Company; that he is authorized on the part of said company to sign and file with the Nuclear Regulatory Commission this document; that all statements made and matters set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



W. E. Cummins  
Vice President  
Regulatory Affairs and Standardization

Subscribed and sworn to  
before me this 29<sup>th</sup> day  
of January 2008.

COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Patricia S. Aston, Notary Public  
Murrysville Boro, Westmoreland County  
My Commission Expires July 11, 2011  
Member, Pennsylvania Association of Notaries



Notary Public

ENCLOSURE 1

Response to Request for Additional Information on Technical Report No. 81

# AP1000 TECHNICAL REPORT REVIEW

## Response to Request For Additional Information (RAI)

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RAI Response Number: RAI-TR81-COLP-01  
Revision: 0

### **Question:**

Section 18.5.2.3 OSA-2: Critical areas for sequence analysis: There is not enough information in section 18.5 of the Design Certification (DCD) to complete the review. Please provide a rationale for removing the words that define modeling tools for each critical area and replacing them with general terminology stating that (1) "a set of performance time assumptions will be established and used to determine the time required for these actions to be complete," and (2), "an evaluation of the effect of the human system interface design and the task demands on operator workload will be conducted." Please also provide alternative methods or tools for addressing these critical issues.

### **Westinghouse Response:**

Section 2.4.2 (Operational Sequence Analysis 2 (OSA-2)) states that the reason for this revision was to remove the prescriptive task analysis methodologies in the DCD and to enable the OSA-2 Implementation Plan to determine the most appropriate ones to use. The scope of OSA-2 is not changed. This section of TR-81 also states that the OSA-2 plan will be developed and made available to support the AP1000 COL application review by the NRC. This document (APP-OCS-J1R-210) will be made available at the Westinghouse Rockville office no later than 1/31/08.

### **Design Control Document (DCD) Revision:**

None

### **PRA Revision:**

None

### **Technical Report (TR) Revision:**

None