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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/NRC2064

January 3, 2008

Subject: AP1000 COL Response to Requests for Additional Information (TR 05)

In support of Combined License application pre-application activities, Westinghouse is submitting responses to the NRC requests for additional information (RAIs) on AP1000 Standard Combined License Technical Report 05, APP-GW-GLR-020, "Wind and Tornado Site Interface Criteria". These RAI responses are submitted as part of the NuStart Bellefonte COL Project (NRC Project Number 740). The information included in the responses is generic and is expected to apply to all COL applications referencing the AP1000 Design Certification.

Responses are provided for RAI-TR05-RSAC-01 and -02, as sent in an email from Dave Jaffe to Sam Adams, dated November 30, 2007. These responses complete all requests received to date for Technical Report 05.

Pursuant to 10 CFR 50.30(b), the responses to the requests for additional information on Technical Report 05, are submitted as Enclosure 1 under the attached Oath of Affirmation.

Questions or requests for additional information related to the content and preparation of these responses 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 cursive script, appearing to read "A. Sterdis".

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

D063
D079
NRO

/Attachment

1. "Oath of Affirmation," dated January 3, 2008

/Enclosure

1. Responses to Requests for Additional Information on Technical Report No. 05

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
	B. LaPay	- 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)

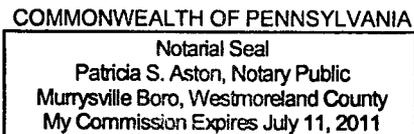
APPLICATION FOR REVIEW OF
"AP1000 GENERAL COMBINED LICENSE INFORMATION"
FOR COL APPLICATION PRE-APPLICATION REVIEW

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.

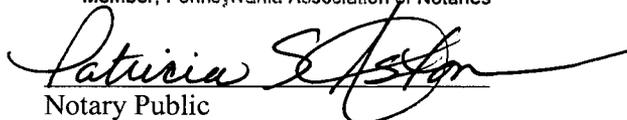


W. E. Cummins
Vice President
Regulatory Affairs & Standardization

Subscribed and sworn to
before me this 3rd day
of January 2008.



Member, Pennsylvania Association of Notaries



Notary Public

ENCLOSURE 1

Responses to Requests for Additional Information on Technical Report No. 05

AP1000 TECHNICAL REPORT REVIEW

Response to Request For Additional Information (RAI)

RAI Response Number: RAI-TR05-RSAC-01
Revision: 0

Question:

Appendix A to the technical report compares the AP1000 operating basis wind speed and tornado site parameters to the Bellefonte site characteristics. Consequently, a more appropriate title to Appendix A would be "Bellefonte Site Characteristics" instead of "Bellefonte Site Parameters." Nonetheless, no mention is made within either the transmittal letter or the technical report as to the purpose of Appendix A. The information presented in Appendix A is redundant to that presented in Bellefonte COL FSAR Sections 2.3.1.4 and 2.3.1.5 which can (and does) cause potential confusion. For example, FSAR Section 2.3.1.5 states that a Gumbel-Lieblein extreme value analysis of the 1950–2005 Jackson County, Alabama wind data gives an estimated value of 77 mph for the 100-year return period fastest-mile-of-wind data whereas Appendix A reports a value of 82 mph for the same statistic. Since Appendix A is not referenced within the main body of the technical report and presents information redundant to that presented in the Bellefonte COL FSAR, please delete Appendix A from the technical report.

Westinghouse Response:

Appendix A will be deleted in the next revision to TR05.

Design Control Document (DCD) Revision:

None

PRA Revision:

None

Technical Report (TR) Revision:

Appendix A will be deleted as discussed above.

AP1000 TECHNICAL REPORT REVIEW

Response to Request For Additional Information (RAI)

RAI Response Number: RAI-TR05-RSAC-02
Revision: 0

Question:

In Section 5, "DCD MARK-UP", in the first sentence, "...in preparation of their FSER", should be "...in preparation of their FSAR".

Westinghouse Response:

The term FSER will be corrected to be FSAR in the next revision to TR05.

Design Control Document (DCD) Revision:

None

PRA Revision:

None

Technical Report (TR) Revision:

5. DCD MARK-UP

The following mark-ups are provided for use by the COL applicants in preparation of their FSAR ~~FSER~~. These mark ups assume that the applicant can respond that their site specific plan, building placements, and building design and construction do not differ from those used in this generic topical report.