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Your ref: Project Number 740
Our ref: DCP/NRC2070

January 14, 2008

Subject: AP1000 COL Information Items 3.6-1 and 3.9-2 Acceptance Issue Corrections

In support of the NRC Acceptance Review of the AP1000 request for Design Certification Amendment (AP1000 Design Control Document, Revision 16), Westinghouse provided DCP/NRC2067 which provided revisions to the DCD Revision 16 information related to the Piping Design Acceptance Criteria (DAC) and the information provided to address COL Information Items 3.6-1 and 3.9-2. NRC has identified two additional concerns related to the information provided in this letter:

- The COL holder item proposed for COL Information Item 3.6-1 incorrectly identifies an “as-built” report in the final line. The item should identify an “as-designed” report, consistent with the remainder of the proposed holder item wording.
- The COL holder item proposed for COL Information Item 3.9-2 should include piping specifications and reports.

Westinghouse is proposes the following wording to resolve these concerns. With the exception of the following two minor changes, the remainder of letter DCP/NRC2067, Andrea Sterdis to Nuclear Regulatory Commission dated January 11, 2008 remains valid and applicable to the AP1000 application for design certification rule amendment.

Westinghouse is revising the AP1000 DCD Revision 16, Section 3.6.4.1 to include an additional COL License holder item to provide an as-designed pipe break hazards analysis and design. The following provides the corrected wording for the COL License holder item:

A Combined License holder referencing the AP1000 design will complete the pipe whip restraint design and complete an as-designed pipe break hazards analysis in accordance with the criteria outlined in subsections 3.6.1.3.2 and 3.6.2.5. The as-designed pipe rupture hazard analysis including break locations based on as-designed pipe analysis will be documented in an as-designed Pipe Rupture Hazards Analysis Report.

Although the work performed to support the issuance of APP-GW-GLR-074 (TR 7) is deemed adequate to establish the licensing basis in the area of pipe break hazard analysis, the completion of the piping design to resolve the Piping Design Acceptance Criteria (DAC), will be used to identify the as-designed pipe break locations and the whip restraint and jet impingement protection design detail. This as-designed information requires the completed piping design as described in the Piping DAC. Per the guidance

provided in Regulatory Guide 1.206, Section CIII.4.3, Item (3), COL applicants referencing the AP1000 design certification amendment application will include License Conditions to provide the additional design specifications and as-designed design reports to address COL Information Item 3.6-1. This additional as-designed information supplements the information provided in DCD Revision 16 and APP-GW-GLR-074.

Westinghouse has verified that the COL Information Item Table, DCD Table 1.8-2 provided in DCD Revision 16 does not require revision to address these changes since COL Information Item 3.6.1 already identifies that there are actions to be completed by the COL License holder.

The addition of these COL License holder items and the corresponding addition of License Conditions to the Bellefonte COL application are expected to resolve the NRC acceptance and docketing issue regarding COL Information Item 3.6-1.

The initial DCD revised pages proposed to address the NRC identified issues for DCD Section 3.6.4.1 are provided in APP-GW-GLR-134, Revision 2, "AP1000 DCD Impacts to Support COLA Standardization," transmitted in DCP/NRC2069, Andrea Sterdis to Nuclear Regulatory Commission, dated January 11, 2008. The revised pages to reflect the correction from as-built to as-designed in DCD Section 3.6.4.1 are provided in APP-GW-GLR-134, Revision 3, "AP1000 DCD Impacts to Support COLA Standardization," transmitted in DCP/NRC2070, Andrea Sterdis to Nuclear Regulatory Commission, dated January 14, 2008.

Westinghouse also identified revisions to the AP1000 DCD Revision 16, Section 3.9.8.2 to include two COL License holder items to provide additional design specifications and reports. The following COL License holder items are added (note that the first proposed holder item has been revised to include ASME Section III piping):

- A Combined License holder referencing the AP1000 design will have available for NRC audit the design specifications and as-designed design reports prepared for major ASME Section III components and ASME Code, Section III piping.
- A Combined License holder referencing the AP1000 design will have available for NRC audit the design specifications prepared for ASME Section III auxiliary components and valves.

These items require detailed equipment design and the selection of specific equipment for completion. Per the guidance provided in Regulatory Guide 1.206, Section CIII.4.3, Item (3), COL applicants referencing the AP1000 design certification amendment application will include License Conditions to provide the additional design specifications and as-designed design reports to address COL Information Item 3.9-2. These additional design specifications and reports supplement the specifications referenced in Revision 16 (references 21 through 31 in Section 3.9.9). The Revision 16 referenced specifications were performed using the hard rock seismic spectra previously approved in the existing AP1000 Design Certification Rule (10 CFR 52, Appendix D). The Bellefonte site meets the hard rock site parameters. The specifications are being revised to address soil sites.

Westinghouse has verified that the COL Information Item Table, DCD Table 1.8-2 provided in DCD Revision 16 does not require revision to address these changes since COL Information Item 3.9-2 already identifies that there are actions to be completed by the COL License holder.

The addition of these COL License holder items and the corresponding addition of License Conditions to the Bellefonte COL application are expected to resolve the NRC acceptance and docketing issue regarding COL Information Item 3.9-2.

The initial DCD revised pages proposed to address the NRC identified issues for DCD Section 3.9.8.2 are provided in APP-GW-GLR-134, Revision 2, "AP1000 DCD Impacts to Support COLA Standardization," transmitted in DCP/NRC2069, Andrea Sterdis to Nuclear Regulatory Commission, dated January 11, 2008. The revised pages to reflect the addition of ASME Code, Section III piping in DCD Section 3.9.8.2 are provided in APP-GW-GLR-134, Revision 3, "AP1000 DCD Impacts to Support COLA Standardization," transmitted in DCP/NRC2070, Andrea Sterdis to Nuclear Regulatory Commission, dated January 14, 2008.

Pursuant to 10 CFR 50.30(b), this letter is submitted under the attached Oath of Affirmation.

Questions or requests for additional information related to the content of this letter 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.

If you have any questions regarding the information provided in this letter, please do not hesitate to contact me on 412-374-6306.

Very truly yours,



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

/Attachment

1. "Oath of Affirmation," dated January 14, 2008

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
	D. Lindgren	- 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)

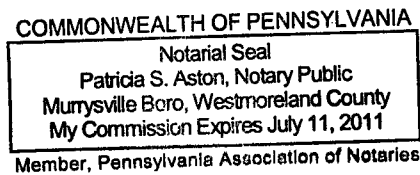
APPLICATION FOR REVIEW OF
"AP1000 GENERAL COMBINED LICENSE INFORMATION"
FOR COL APPLICATION PRE-APPLICATION REVIEW

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 *14th* day
of January 2008.



Notary Public