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U.S. Nuclear Regulatory Commission
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Your ref: Project Number 740
Our ref: DCP/NRC1917

May 31, 2007

Subject: Westinghouse AP1000 Response to NRC Regulatory Issue Summary 2007-08, Updated
Licensing Submittal Information to Support the Design-Centered Licensing Review Approach

The Westinghouse AP1000 has an existing Design Certification Rule (DCR) (10 CFR 52 Appendix D). Thus, Westinghouse was not a formal addressee in RIS 2007-08. However, Westinghouse recently submitted a request for NRC to amend the AP1000 DCR (DCP/NRC1912 dated May 26, 2007). The amendment requests NRC review and approval of the changes and supplemental information included in Revision 16 of the AP1000 Design Control Document (DCD) consistent with the final draft revisions to 10 CFR 52.63(a)(1).

The stated intent of the RIS is to "promote standardization of COL applications and to facilitate the establishment of a predictable and consistent method for reviewing applications." As the AP1000 designer/vendor, Westinghouse is a core participant in the AP1000 Design-Centered Working Group (DCWG). The majority of the changes and supplemental information are identified by Westinghouse as being made under the change criteria contained in 10 CFR 52.63(a)(1)(vii) which applies to changes that contribute to increased standardization of the certification information. As indicated in the AP1000 DCWG COL applicants' RIS responses, the R-COL and S-COL applications are heavily dependent on the AP1000 DCD. The changes and supplemental information included in DCD Revision 16 provide additional standard information that will be referenced in each of the COL applications. As indicated in the letter transmitting the amendment request (DCP/NRC1912), the changes and supplemental information included in DCD Revision 16 have been prepared in conjunction with NuStart including the AP1000 DCWG members.

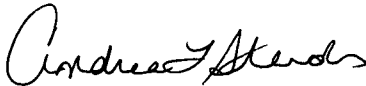
DCD Revision 16 includes supplemental information directed at generically addressing COL Information items that are related to AP1000 design. Upon successful NRC review of Revision 16, these COL Information items are expected to be closed for all AP1000 COL applicants.

In addition, DCD Revision 16 includes supplemental information directed at generically resolving Design Acceptance Criteria (DAC) in the areas of Piping, Safety-Related Instrumentation and Control Systems, and Human-Factors Engineering. The detailed design information to resolve DAC that has been included in DCD Revision 16 includes information intended to resolve the Piping DAC. Design information to partially resolve the Safety-Related Instrumentation and Control Systems and Human-Factors Engineering DAC is also included in DCD Revision 16.

Westinghouse has also included a list of potential vendors that may be selected to perform design, manufacturing, fabricating, and testing of safety-related components. The list is contained in the Attachment to this letter.

Westinghouse appreciates this opportunity to convey the significance of the amendment to the AP1000 Design Certification Rule. Please direct any questions regarding this communication to Andrea Sterdis, Manager, AP1000 Licensing and Customer Interface.

Very truly yours,



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

/Attachment

1. AP1000 Potential Vendor List "Safety Related"

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

bcc: E. Cummins
C. Brinkman
B. Cowan
L. Campagna

ATTACHMENT 1

AP1000 Potential Vendor List "Safety Related"

AP1000 Potential Vendor List **“Safety Related”**

A) Auxiliary Fluid Systems:

- 1) Curtiss Wright –Electro Mechanical Division
- 2) KSB - Aktiengesellschaft

B) Electrical Systems:

- 1) Enersys
- 2) Gutor
- 3) Nuclear Logistics

C) HVAC Systems:

- | | |
|-----------------------|------------------------|
| 1) Ansaldo | 2) Chicago Bridge Iron |
| 3) Doosan | 4) Joseph Oat |
| 5) Snyder Sheet Metal | |

D) Instrumentation and Control System:

- | | |
|---|------------------|
| 1) Repair Replacement Automation Services | 2) Electric Boat |
| 3) Emmerson – Rosemount | |

E) Mechanical Handling System:

- | | |
|-----------|---------------------------------|
| 1) PaR | 2) Nuclear Services |
| 3) Holtec | 4) Robert L. Cloud & Associates |

F) Nuclear Fluid System:

- | | |
|------------------|------------------------|
| 1) Curtis Wright | 2) Flowserve |
| 3) Union Pump | 4) Sulzer |
| 5) Ansaldo | 6) Chicago Bridge Iron |
| 7) Doosan | 8) Joseph Oat |
| 9) Tioga | 10) Watlow |
| 11) Thermocoax | 12) Holtec |
| 13) ENSA | |

G) Steam and Power Conversion System:

- | | |
|-----------------|------------------------|
| 1) Ansaldo | 2) Chicago Bridge Iron |
| 3) Newport News | 4) Alstom |
| 5) Toshiba | |

H) Reactor Coolant System:

- | | |
|--------------------------------|--|
| 1) Newington | 2) Curtiss Wright –Electro Mechanical Division |
| 3) Doosan | 4) Major Tool |
| 5) Precision Custom Components | 6) Ansaldo |
| 7) Penn Iron Works | 8) Penn St. Tool & Die |
| 9) Watlow | 10) Thermocoax |
| 11) Holtec | |

I) Water and Waste Treatment Systems:

- | | |
|-------------------------|---------------|
| 1) Penn Iron Works | 2) Major Tool |
| 3) Precision Components | |

J) Valves (assorted):

- | | |
|-----------------------|---------------------------------|
| 1) Crane | 2) Flowserve |
| 3) SPX – Copes Vulcan | 4) Velan |
| 5) Fisher | 6) Target Rock/ Curtis Wright |
| 7) Xomox (Crane) | 8) Crosby (Tyco) |
| 9) Parker | 10) Swagelock |
| 11) Dresser | 12) Control Custom Incorporated |
| 13) Sempell | 14) Weir |