October 6, 2010

MEMORANDUM TO: Eileen M. McKenna, Chief
AP1000 Projects Branch 2
Division of New Reactor Licensing
Office of New Reactors

FROM: Phyllis M. Clark, Project Manager ***/RA/***
AP1000 Projects Branch 2
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SUBJECT: SUMMARY OF A CATEGORY 1 PUBLIC MEETING HELD WITH WESTINGHOUSE ELECTRIC COMPANY REGARDING THE AP1000 CORE REFERENCE REPORT, HELD IN ROCKVILLE, MARYLAND ON SEPTEMBER 8, 2010

The U.S. Nuclear Regulatory Commission (NRC) held a public meeting on September 8, 2010, at the NRC Twinbrook Office in Rockville, Maryland. The NRC's Office of New Reactors (NRO) staff met with Westinghouse Electric Company (Westinghouse) staff, their contractors, and other Westinghouse stakeholders, to review Westinghouse's plan for submitting the AP1000 Core Reference Report (CRR) to the NRC. Specifically, the participants discussed Westinghouse's approach to the standardized CRR including Westinghouse's plans for the AP1000 initial core load and the final fuel and core design.

The purpose of this meeting summary is to briefly describe the meeting, identify its participants, and to delineate the results. This meeting was noticed as a Category I public meeting; however, the second half of the meeting was closed to the public due to the proprietary nature of the material under discussion. There were approximately 16 persons in attendance at the meeting location, and approximately 3 persons attending by conference call.

Enclosed with this memorandum are the following: (1) meeting attendee and teleconference list and (2) non-proprietary versions of the proprietary technical presentation slides, and the proprietary technical presentation slides discussed in the meeting.

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Discussion

The purpose of this meeting was to discuss the AP1000 Core Reference Report (CRR). The CRR is a stand-alone document that will describe the AP1000 advanced first core. Westinghouse has communicated and received positive feedback on this approach previously with the NRC during meetings, the Fuel Performance update conference and other forums. Specifically, Westinghouse discussed with the NRC the history of the CRR and the proposed plan for the CRR development and submittal. Westinghouse also discussed the contents of the CRR and gave a technical overview of the report.

The meeting began with general remarks and the Westinghouse's nonproprietary presentation by Robert Sisk, the Westinghouse, Licensing and Customer Interface Regulatory Affairs and Standardization Manager. Westinghouse clarified its focus for the meeting which was to present their plan for submitting the AP1000 CRR to NRC.

Subsequently, R. Wade Miller (Westinghouse) presented proprietary slides detailing:

- CRR proposed timeline
- Fuel and core design evolutions that will be addressed in the CRR
- CRR format
- Fuel assembly overview
- AP1000 fuel assembly design features
- Control assembly features and licensing
- First core design overview
- Safety analysis impacts

The NRC staff raised a number of questions throughout the presentation on the CRR.

Conclusion

Westinghouse summarized the meeting by briefly restating the items covered during the meeting. The following is the brief restatement on the Westinghouse discussion:

The AP1000 Core Reference Report:

- was developed following guidelines established by the NRC,
- will be submitted for review and approval by the NRC after the initial COL is approved,
- Will address final changes to the fuel assembly and component design, core design, and the necessary supporting safety analysis prior to initial core load, and
- follows the format of previously submitted fuel update reports (e.g., Reload Transition Safety Reports, etc.).

Docket No. 52-006

Enclosures:
As stated

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NAME	RButler	PClark	EMcKenna
DATE	10/04/2010	10/05/2010	10/06/2010

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AP1000 Core Reference Report Planning Public Meeting
Public Meeting Attendance List
September 8, 2010

Name	Organization
Joseph Donoghue	NRC
Yi-Hsiung Hsii	NRC
Christopher VanWert	NRC
Fred Forsaty	NRC
Phyllis M. Clark	NRC
Rolf F. Ziesing	Westinghouse (teleconference)
Robert Sisk	Westinghouse
Jill S. Monahan	Westinghouse
Ronald P. Knott	Westinghouse
R. Wade Miller	Westinghouse
Michael J. Riggs	Westinghouse
Christopher Comfort	Southern Nuclear
Wes Sparkman	Southern Nuclear
Gary Becker	Southern Nuclear
Eddie R Grant	NuStart
Mike Fanguy	SCE&G
Jim Thornton	Duke Energy
Allison Rogers	C. H. Guernsey & Company (teleconference)
Mike Carlton	SC Office of Regulation (teleconference)

Westinghouse's Non-Proprietary and Proprietary Technical Presentation Slides

ADAMS Accession Number		**Presentation Title**
ML102670214		LTR-NRC-10-54 NP-Enclosure Open Meeting Presentation, "Slides for the Open Portion of the AP1000 Core Reference Report Planning Meeting on September 8, 2010" (Non-Proprietary)
ML102670216		LTR-NRC-10-54 NP-Enclosure Closed Meeting Presentation, "Slides for the Open Portion of the AP1000 Core Reference Report Planning Meeting on September 8, 2010" (Proprietary)