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Your ref: Docket No. 52-006 Our ref: DCP_NRC_003123

February 9, 2011

Subject: DCD Reference of WCAP-16651-P

Westinghouse is submitting a response to an NRC discussion. Proposed revision correction responses are submitted in support of the AP1000 Design Certification Amendment Application (Docket No. 52-006). The information included in these responses is generic and is expected to apply to all COL applications referencing the AP1000 Design Certification and the AP1000 Design Certification Amendment Application. The reference to WCAP-16651-P is revised to the correct revision number and date on the attached pages.

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,

Atterbreach for

R. F. Ziesing Director, U.S. Licensing

/Enclosure

1. Markup of DCD Revision 18, WCAP-16651-P

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ENCLOSURE 1

Markup of DCD Revision 18, WCAP-16651-P

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10. Steam and Power Conversion System

AP1000 Design Control Document

Additional generator protective devices are listed in Table 10.2-3.

10.2.6 Combined License Information on Turbine Maintenance and Inspection

The Combined License holder will submit to the NRC staff for review prior to fuel load, and then implement a turbine maintenance and inspection program. The program will be consistent with the maintenance and inspection program plan activities and inspection intervals identified in subsection 10.2.3.6. The Combined License holder will have available plant-specific turbine rotor test data and calculated toughness curves that support the material property assumptions in the turbine rotor analysis after the fabrication of the turbine and prior to fuel load.

10.2.7 References

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- 1. WCAP-16650-P, Proprietary and WCAP-16650-NP, Nonproprietary, "Analysis of the Probability of the Generation of Missiles from Fully Integral Nuclear Low Pressure Turbines," Revision 0, February 2007.
- WCAP-16651-P, Proprietary and WCAP-16651-NP, Nonproprietary, "Probabilistic Evaluation of Turbine Valve Test Frequency," Revision <u>1, May 2009</u>.
- NUREG-1275, Vol. 11, Operating Experience Feedback Report Turbine-Generator Overspeed Protection Systems, Commercial Power Reactors, H. L. Ornstein, Nuclear Regulatory Commission, April 1995.

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Ì	Deleted: February 2007	Ì

Tier 2 Material

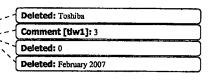
10.2-18

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1. Introduction and General Description of Plant

AP1000 Design Control Document

		Table 1.6-1 (Sheet 13 of 21)		
MATERIAL REFERENCED				
DCD Section Number	Westinghouse Topical Report Number	Title		
7.1	[WCAP-15927 (NP)	Design Process for AP1000 Common Q Safety Systems, Revision 2, November 2008]*		
		Westinghouse Electric Company Quality Management System (QMS), (Non-Proprietary), Revision 5, October 2002		
	APP-GW-JOR-012	AP1000 Protection and Safety Monitoring System Computer Security Plan		
	[WCAP-17201-P	AC160 High Speed Link Communication Compliance to DI&C-ISG-04 Staff Positions 9, 12, 13 and 15, Revision 0, February 2010]*		
	WCAP-17184-P (P)	AP1000 [™] Diverse Actuation System Planning and Functional Design Summary Technical Report		
7.2	WCAP-16438-P WCAP-16438-NP	FMEA of AP1000 Protection and Safety Monitoring System, Revision 2		
	WCAP-16592-P WCAP-16592-NP	Software Hazards Analysis of AP1000 Protection and Safety Monitoring System, Revision 2		
	WCAP-15776	Safety Criteria for the AP1000 Instrumentation and Control Systems, April 2002		
	WGAP-16097-P-A WCAP-16097-NP-A	Common Qualified Platform, Digital Plant Protection System, Appendix 3, May 2003		
7.3	WCAP-15776	Safety Criteria for the AP1000 Instrumentation and Control Systems, April 2002		
7.7	WCAP-17184-P	AP1000 TM Diverse Actuation System Planning and Functional Design Summary Technical Report		
9.5	WCAP-15871	AP1000 Assessment Against NFPA 804, Revision 1, December 2002		
10.2	WCAP-16650-P (P) WCAP-16650-NP	Analysis of the Probability of the Generation of Missiles for AP1000 Fully Integral Low Pressure Turbines, Revision 0, February 2007.		
	WCAP-16651-P (P) WCAP-16651-NP	Probabilistic Evaluation of Turbine Valve Test Frequency, Revision 1, May 2009.		
13	WCAP-14690	Designer's Input to Procedure Development for the AP600, Revision 1, June 1997		



(P) Denotes Document is Proprietary

*NRC Staff approval is required prior to implementing a change in this information; see DCD Introduction Section 3.5.

Tier 2 Material

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