



babcock & wilcox nuclear energy

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October 19, 2010

BW-JAH-2010-228

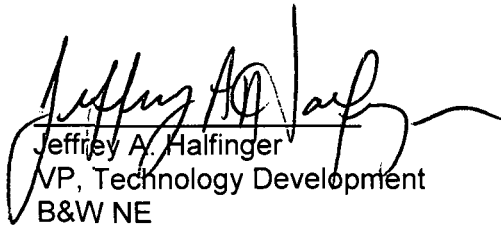
U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
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11555 Rockville Pike
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Babcock & Wilcox Nuclear Energy, Inc.
Docket Number-PROJ0776
Project Number-776

Subject: Submittal of Non-Proprietary Slides for a November 3, 2010, Meeting Between B&W Nuclear Energy (B&W NE) and NRC Staff

By letter dated October 14, 2010, B&W NE submitted proprietary slides for a closed meeting to be held with NRC staff on November 3, 2010, to discuss the instrumentation and controls design architecture for the B&W mPower™ reactor. In that letter, we also committed to provide a set of non-proprietary slides. Accordingly, these slides are enclosed.

Questions concerning this material may be directed to Jeff Halfinger at 434-316-7507 (email: jahalfinger@babcock.com) or T. J. Kim at 434-382-9791 (email: tjkim@babcock.com).

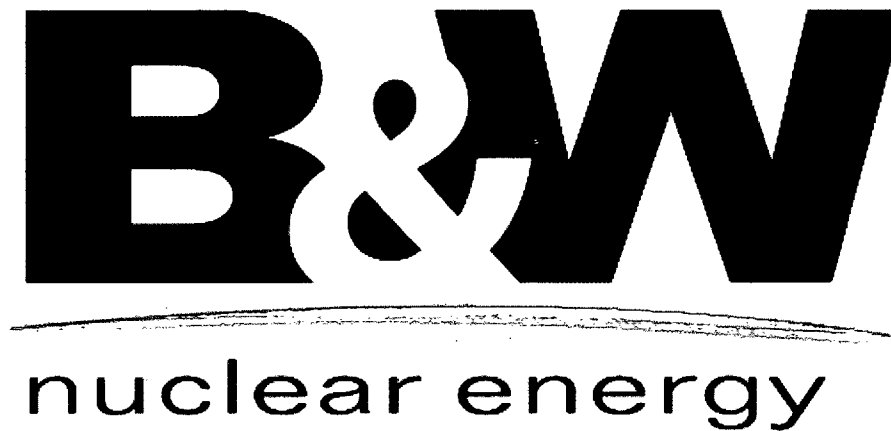


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JAH/jlr

cc: Joelle L. Starefos, NRC, TWFN 9-F-27
Stewart L. Magruder, Jr., NRC, TWFN 9-F-27

D104
NRD



Meeting Between B&W NE and NRC Staff

November 3, 2010

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AGENDA

- Introduction
- Generation mPower Pre-Application Activities
- B&W mPower Reactor™ Design Overview
- B&W mPower Reactor Safety-Related I&C Overview
- Conclusions and Discussion

PRE-APPLICATION ACTIVITIES

Submittals to Date

- Quality Assurance Program for Design Certification¹
- CHF Correlation Test and Development Plan²
- Design Overview²
- Integrated Systems Test Program²
- Core Nuclear Design Codes and Methods Qualification¹
- Instrument Setpoint Methodology¹
- CRDM Design Details and Development Plan²

1 = Topical Report, 2 = Technical Report

PRE-APPLICATION ACTIVITIES

Planned Submittals

See Handout

PRE-APPLICATION ACTIVITIES

Technical Meetings

- Fuel/Core Design (C)
- IST Status and Details (C)
- I&C Architecture (C)
- Accident Analysis Codes and Methods (T)
- Design Overview Update (T)
- CRDM (T)
- Other Topics (TBD)

C = Complete, T = Tentative, TBD = To Be Determined

Topics (Design Overview)

- High-Level Program Overview
- Technology Overview
- Development Testing Programs
- Summary