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MITSUBISHI NUCLEAR ENERGY SYSTEMS, INC.

US-APWR
Design Centered Working Group
Risk Informed Technical Specifications

November 3, 2010

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Agenda

- Introductions and Opening Remarks
- Meeting Objectives
- Background and Challenges
- Open Discussion of Options
- Potential Paths Going Forward
- Summary and Conclusion

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Meeting Objectives

- To attain a common understanding of the current status
- To identify and understand the challenges
- To explore/discuss potential solutions
- To identify options going forward
- To discuss and understand potential impacts on COLA review
- To discuss options if impacts on schedule are unacceptable

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Background - US-APWR DCWG

- Formed in April 2007 - membership:
  - Mitsubishi Nuclear Energy Systems (MNES) - representing the US-APWR DCD
  - Luminant (R-COLA) and
  - Dominion (S-COLA)
- Public meetings with NRC in 2007, 2008, 2009 and 2010
- Focused on standardization and joint resolution of common issues

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Background – Risk Informed Technical Specifications

- As part of original COL Application, Luminant requested Risk Informed Technical Specification (RITS)
  - NEI 06-09, 4B, Risk Managed TS (RMTS), Allowed outage times
  - NEI 04-10, 5B, Surveillance Frequencies
- NRC Schedule letter of March 16, 2009, cautioned that completing the review within the proposed schedule was a challenge but the NRC wanted to pursue the review and meet with Luminant in the future to discuss

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Challenges

- NRC has never approved a RITS before the supporting PRA had been accepted.
- The level of PRA needed (per RG 1.200 and regulations) cannot be completed until after COL issued because some as-built information is needed
- ISG-08, based on application of AEA, requires a complete set of Technical Specifications with the COL
- A fully described program (e.g., setpoint methodology) is acceptable if contained in the TS
- Risk Metrics unresolved for new plants

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Potential Paths Going Forward

- Select some paths to pursue as potential paths for success
- Discuss schedules for each path

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Summary and Conclusion

Don Woodlan

Manager, Nuclear Regulatory Affairs

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