PMBelCOL PEmails

From: Mark Tonacci
Sent: Friday, March 13, 2009 11:08 AM
To: LaTosha Greene
Cc: Stephanie Coffin; Eileen McKenna; Brian Anderson; Brian Hughes; Christian Araguas; John-Chau Nguyen; Joseph Sebrosky; Manny Comar; Ravindra Joshi
Subject: AP1000 Project Performance Meeting
Attachments: projectmeeting0318.doc

LaTosha,

Can you send this agenda and presentation material out to everyone who needs it for the AP1000 Project Performance Meeting which is scheduled for 3/18, 11 am in T6C1? I am not sure who all the normal attendees are. Please include Ronaldo Jenkins and Lynn Mrowca.

Thank you.

Mark

Hearing Identifier: Bellefonte_COL_Public_EX
Email Number: 1423

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Sent Date: 3/13/2009 11:08:06 AM
Received Date: 3/13/2009 11:08:06 AM
From: Mark Tonacci

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Design-centered Project Performance Meeting – AP1000 Design Center

~~February 4~~March 18, 2009

Purpose:

Provide status on the AP1000 design center licensing case work, including schedule, critical path, projected risks, and resource challenges for the reviews.

Outcome:

Management awareness on the status of the AP1000 design certification amendment review, Bellefonte RCOL review, SCOL reviews, and issues that may affect resources and schedule. As necessary, identify action items and next steps.

Process:

Presentation by branch chief and project staff, followed by discussion of key issues, cross-cutting areas, actions, etc.

Agenda

1. Westinghouse DC amendment Schedule – Eileen McKenna a. status b. critical path/project risks and resolution strategies	11:00 am – 11:10 am
2. RCOL status – Joe Sebrosky	11:10 am - 11:20 a.m
3. SCOL status – Lee, Harris, Vogtle, Summer, Levy – lead PMs	11:20 am - 11:45am
4. Status of EPM and contracting information- Pat Madden	11:45 am -11:55 am
5. Identification of action items and wrap-up – Panel	11:55 am -12 noon

TALKING POINTS FOR AP1000 CERTIFICATION REVIEW SCHEDULE

Overall Health~~Status~~

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The design certification project fell significantly behind schedule largely due to applicant RAI response timeliness and completeness. Setting a new schedule was challenging in light of uncertainties on resolution path for certain technical issues. Action plans were established to increase interactions on key technical issues and a new schedule has been developed. Recent sign of success is Westinghouse new approach to sump issue (see below).

COLA EPM schedules are significantly out of date (except Bellefonte) making adherence and understanding of change impacts challenging. Several specific chapter issues on the RCOL have the potential to impact other COLAs if P3 ACRS dates slip.

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Design Certification

New schedule has been developed for AP1000 design certification, with identified dependencies on Westinghouse actions in particular time frames. The critical path item at present is sections 3.7 and 3.8, with a date for end of P2 (last chapter issued) of January 2010. RMB meetings have been held and schedule was presented to office management for approval.

Chapters 3 and 6 posed challenges to setting firm schedules due to staff rejection of certain analyses and complexity of structural design method review. Thus, keeping to a schedule with no additional slippage is dependent upon reaching resolution on several of the issues below within a few months.

Overview of technical challenges, impacts, and path forward

Revision 17 contains a modified proposal for demonstrating acceptable dose limits, involving a design change to the control ventilation system actuation (on a different signal than high radiation), changes to x/Q and revised dose analyses. This was in response to NRC rejection of credit for aerosol impaction. The staff concludes the inleakage assumptions have not been justified. Technical meeting planned on March 16.

On the containment sump performance issue, in March, Westinghouse agreed to revise all its supporting information to account for a larger debris loading. This includes additional testing. Technical meeting on March 20. Schedule will be adjusted to reflect the latest date by which this information can be delivered to avoid extending the schedule.

Revised report (and RAI responses) on basemat design and analysis arrived in February 2009, as well as RAI responses for critical sections (building connections). The staff is concerned about review of the connection design because it is novel method, with limited test data or applicable industry codes. Weekly phone calls are being held on the RAI responses, with technical meetings in March and audits in April.

Concern with criticality analysis methodology used for spent fuel pool. RAI issued. Westinghouse is preparing a new analysis, coming in May. Earlier interactions underway on analysis method and assumptions.

Component Interface Module, part of PMS, insufficient design information has been provided to support closure of ITAAC as proposed. Similar situation for defense-in-depth and diversity for DAS.

1. BELLEFONTE – RCOL: Joe Sebroski/Mallecia Hood

a. Schedule
- Safety P2
  - SER with Open Items in 2 phases consistent with AP1000 design certification
  - chapters 4, 5, 7, 8, 10, 11, 12, 14, 16, 17, 18, and 19 in first phase to support ACRS meeting in July
  - input for chapter 3 (in second phase because of design cert)
  - all SER inputs for 1, 2, 6, 9, 13, and 15 not yet received therefore in 2nd wave
- Environmental P2: No schedule due to hydrology.
- Need to align schedules for design certification, RCOL, and SCOL
- Bellefonte as RCOL does not support Vogtle construction schedule

b. Project Significant Risks
- Design certification amendment review
- Hydrology review (affects both safety and environmental review)
- Exclusionary boundary x/q – exemption request
- Offsite power – first wave threat
- PRA – first wave threat
- Security review (both NSIR review and large area fire review)
- Reinstatement of the construction permits for Bellefonte 1 and 2 (affects both safety and environmental review)

LEE – SCOL: Brian Hughes/Linda Tello

a. Schedule:
- Safety:
  - i. Proposed Make-Up Pond "C" Impacts on Schedule (Economics)
  - ii. FEMA is significantly behind schedule

b. Project Significant Risks
- Safety RAI response time improved; still challenged in some areas, e.g.: seismic

HARRIS – SCOL: Manny Comar/Donald Palmrose

a. Schedule
- Environmental Phase 2 – Original date: June 26, 2009; however now must be determined (see below)

b. Project Significant Risks
- Environmental Review
  - i. Applicant RAI responsiveness
  - ii. Specific RAI response issue – Response to several US Army Corps of Engineers RAIs likely not available until June 2009
  - ii.

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~~3.~~VOGTLE – SCOL: John Chau Nguyen/Mark Notich

a. Schedule

- Environmental Phase 2
  - Schedule delay for environmental review due to waiting for the issuance of the ESP before Draft EIS can be issued.

~~4.~~SUMMER – SCOL: Ravi Joshi/Patricia Vokoun

No significant issues.

~~5.~~LEVY – SCOL: Brain Anderson/Jessie Muir

a. Schedule: No significant issues.

~~a.~~b. Project Significant Risks

-Safety: Geotechnical Review

- Complexity
- Applicant RAI responsiveness
- No current issues - some initial RAIs issued; other initial RAIs pending

~~6.~~COLA Schedules – Stephanie Coffin

- DC Schedule 6 Month Shift and Impact on COLAs
- RCOL/SCOL Switch: End April '09 Letter Due
- Sequencing of COLAs: Lee, Harris, Vogtle, Summer, Levy
- EPM Significantly Out of Date for COLAs
- 4 Phase Acting Like 6 Phase: Lee, Harris, Vogtle~~–~~ - Confusion ~~for Staff~~

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