

**Advisory Committee on Reactor Safeguards
Reliability & Probabilistic Risk Assessment Subcommittee Meeting
Rockville, MD
20-21 April 2006**

- Proposed Agenda -
Day 1

Cognizant Staff Engineer: Eric Thornsby (301-415-8716, eat2@nrc.gov)

| Topic | Presenter(s) | Time | |
|----------|--|----------------------|--|
| April 20 | | | |
| | Opening Remarks and Objectives | G. Apostolakis, ACRS | 8:30 - 8:35 am |
| I | Introduction to Presentations | NRR/GE | 8:35 - 8:45 am |
| II | Overview: ESBWR Risk Management - Risk management goals - Scope of analysis - Defense in depth - PRA as a design tool | GE | 8:45 - 9:15 am |
| III | Internal Events Risk Management & Severe Accident Prevention - Design features to prevent core damage - Analysis methodology - System success criteria - Results and conclusions | GE | 9:15 - 11:30 am [Break 10:00-10:15] |
| | Lunch | | 11:30 am - 12:30 pm |
| IV | Severe Accident Mitigation - Design features to mitigate threats to containment - Analysis methodology - Assessment of containment integrity - Results and conclusions | GE | 12:30 - 3:00 pm |
| | Break | | 3:00 - 3:15 pm |
| V | Containment Systems Performance - Design features to prevent long-term overpressurization - Analysis methodology - Long-term containment behavior - Results and conclusions | GE | 3:15 - 4:15 pm |
| VI | Offsite Consequence Analysis - Radiological release assessment methodology - Results and conclusions | GE | 4:15 - 4:45 pm |
| | Recess for the day | | 4:45 pm |

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Day 2

Cognizant Staff Engineer: Eric Thornsbury (301-415-8716, eat2@nrc.gov)

| Topic | Presenter(s) | Time |
|----------|---|--------------------------------|
| April 21 | | |
| | Reconvene | 8:30 am |
| VII | External Events Risk Management - Fire analysis - Flood analysis - High wind analysis - Seismic analysis | GE 8:30 - 9:25 am |
| VIII | Shutdown Events Risk Management - Design features to prevent core damage - Analysis methodology - System success criteria - Results and conclusions | GE 9:25 - 10:15 am |
| IX | ESBWR Risk Management Insights - Overall results and conclusions - Review of commitments from the meeting | GE 10:15 - 10:30 am |
| | Break | 10:30 - 10:45 am |
| X | Requests for Additional Information | NRR 10:45 - 11:15 am |
| XI | ESBWR Severe Accident Analyses | RES 11:15 am - 12:15 pm |
| | Adjourn | 12:15 pm |

Notes:

- Presentation time should not exceed 50% of the total time allocated for a specific item.
- Number of copies of presentation materials to be provided to the ACRS - 35.