

**4rd NRC – AERB Nuclear Safety Projects Meeting
August 30 – September 3, 2004**

Opening Plenary



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Overview

- Welcome and Introductions
- Meeting Goals
- Agenda
(Can Be Reordered To Better Suit Needs of Participants)



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Welcome

- Fourth Meeting in Continuing Our Cooperation in Nuclear Safety
 - Will be discussing only publicly available material
 - During meeting will assess need to continue with original topics and to determine future topics
- New Topics for This Meeting
 - New reactor designs
 - Emergency Planning
 - Operational Safety



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Introductions

Monday

- **Ashok Thadani**
Director, International Research & Development Projects, Office of the Chairman
- **Jerry Wilson**
Senior Policy Analyst, New, Research and Test Reactors Program, Office of Nuclear Reactor Regulation
- **Mary Drouin**
Senior Program Manager, Office of Nuclear Regulatory Research

Tuesday

- **Nader Mamish**
Director, Emergency Preparedness Directorate, Office of Nuclear Security and Incident Response
- **Richard Wessman**
Director, Incident Response Directorate, Office of Nuclear Security and Incident Response
- **J.S. Hyslop**
Senior Risk and Reliability Engineer, Office of Nuclear Regulatory Research
- **Mark Rubin**
Safety Programs Section Chief, Office of Nuclear Reactor Regulation
- **Robert Tregoning**
Senior Materials Engineer, Office of Nuclear Regulatory Research



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Introductions (Con't)

Wednesday

- **James Isom**
Senior Operations Engineer, Office of Nuclear Reactor Regulation
- **Charles Casto**
Director, Division of Reactor Safety, Region II
- **Michael Cheok**
Assistant Branch Chief, Office of Nuclear Regulatory Research
- **Russell Gibbs**
Senior Reactor Analyst, Office of Nuclear Reactor Regulation

Thursday

- **Johnny Eads**
Project Manager, Office of Nuclear Reactor Regulation
- **Edmund Sullivan**
Senior Level Advisor, Office of Nuclear Reactor Regulation
- **Syed Ali**
Senior Technical Advisor, Office of Nuclear Regulatory Research



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Meeting Goals

- NRC and AERB Provide Comprehensive Overviews of Selected Technical Issues
- NRC and AERB Have Opportunity to Understand Technical Basis
- Engage in Information Exchange
- Plan for Next Meeting



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Agenda – Monday, 30 August

14:00 Opening Plenary

14:30 Technical Presentations - Licensing of New NPP Designs

14:30 Design Certification Process - J. Wilson

15:15 Technology-Neutral Framework - M. Drouin

17:00 Technical Presentations - Licensing of New NPP Designs

New NPP Designs and Licensing - S. Bhardwaj & S. Gupta

18:00 End of Day



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Agenda – Tuesday, 31 August

- 08:30 Technical Presentations - Emergency Preparedness Issues
Emergency Preparedness - N. Mamish & R. Wessman
- 11:00 Technical Presentations - Emergency Preparedness Issues
Emergency Preparedness and Exclusion Zone Requirements - S. Bajaj
- 12:00 Lunch
- 13:00 Technical Presentations - PHWR Safety Review
Experience
PHWR Safety Review Experience - R. Gujrathi & S. Bhardwaj
- 15:00 Technical Presentations - Updates on Fire Risk, PRA
Tech. & Appl.
 - 15:00 Fire Risk Updates - J. Hyslop
 - 15:45 PRA Technology and Applications Update - M. Rubin
 - 16:15 Passive System LOCA Frequency Development - R. Tregoning
- 17:00 End of Day



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Agenda – Wednesday, 1 September

- 08:30 Technical Presentations - Operational Safety Issues
08:30 ROP Overview - J. Isom, C. Casto
09:30 ASP Overview - M. Cheok
- 11:00 Technical Presentations - Operational Safety Issues
Operation Safety Issues - S. Chande & S. Bajaj
- 12:00 Lunch
- 13:30 Technical Presentations - Regulatory Inspection Methods & Experience
SDP Aspects of the ROP - R. Gibbs
- 16:00 Technical Presentations - Regulatory Inspection Methods & Experience
Use of PRA in LBB analysis - H. Kushwaha
- 17:00 End of Day



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Agenda – Thursday, 2 September

08:30 Technical Presentations - License Renewal and Non-Destructive Exam.

08:30 Status of Aging Management Programs – J. Eads

08:45 Materials Degradation Issues in License Renewal - E. Sullivan

09:15 Inspector Qualifications and PDI Challenges - E. Sullivan

10:00 Risk-Informed ISI - S. Ali

11:00 Technical Presentations - License Renewal and Non-Destructive Exam.

Aging Management Program and In-service Inspection - S. Bhardwa

12:00 Discussion - Next Steps

13:00 Lunch / Depart for Airport

18:00 Flight to Chicago



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Agenda – Friday, 3 September

Tour of ANL (Fuels and Reactor Research)

- 08:30 Overview NRC Research ANL
- 09:00 Fuels
- 09:45 Environmentally Assisted Cracking
- 10:30 Source Term
- 10:45 Severe Accident Core Concrete Studies
- 11:00 Steam Generator Facilities
- 11:45 Hot Cell
- 12:15 Lunch, Guest House
- 13:15 Electron Microscopy Lab
- 13:45 APS
- 15:00 Exit