

U.S.NRC

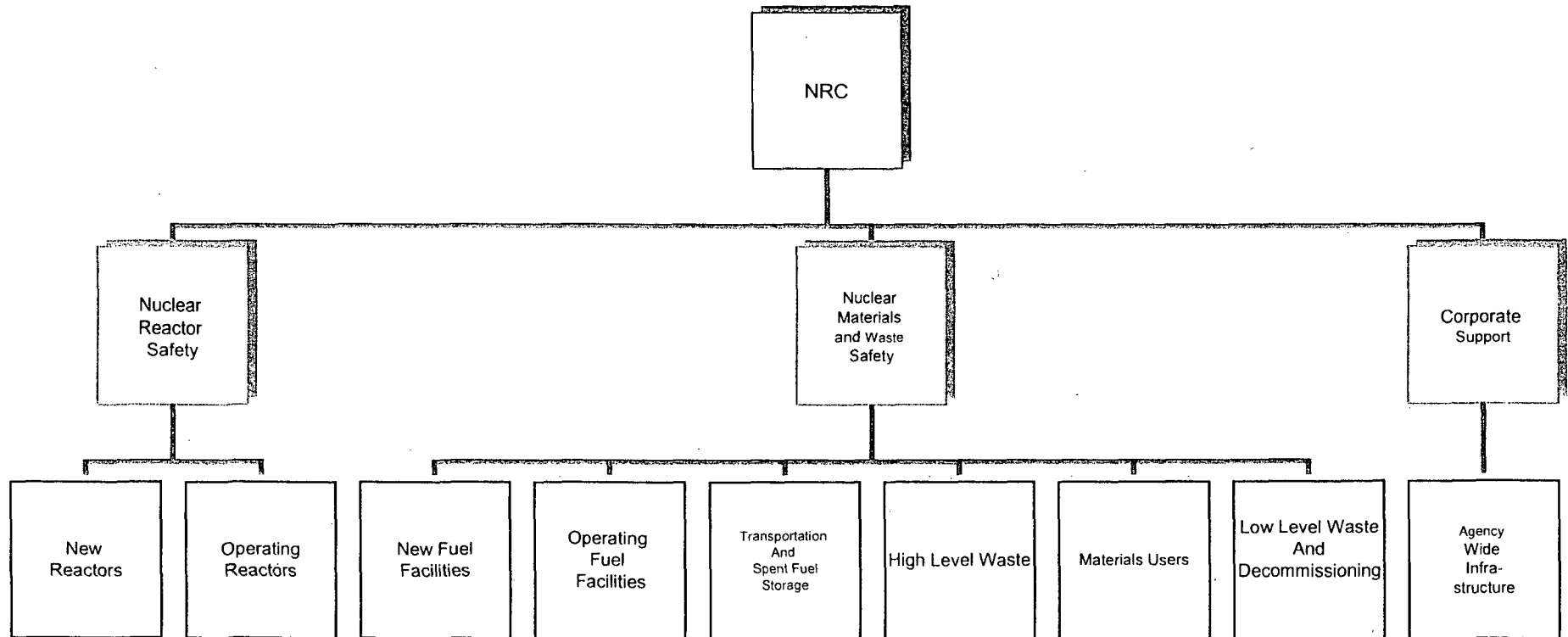
United States Nuclear Regulatory Commission

Protecting People and the Environment

**STATE OF THE
NUCLEAR REACTOR SAFETY
PROGRAMS**

**BILL BORCHARDT
EXECUTIVE DIRECTOR FOR OPERATIONS
MARCH 17, 2009**

Briefing Structure



AGENDA

Introduction

Operating Reactors

New Reactors

**Infrastructure and Organization
Needs**

Introduction

- **Focus of the briefing**
 - **Accomplishments**
 - **Priorities**
 - **Potential Policy Issues**

Operating Reactors

Eric Leeds

Director, Nuclear Reactor

Regulations

and

Mark Satorius

Regional Administrator, Region III

Operating Reactors

- **Accomplishments**
 - **Timely and thorough response to events**
 - **Probing inspections**
 - **Oversight assessments with focus on early detection and correction of performance issues**

Operating Reactors

- **Accomplishments**
 - **Timely and technically sound licensing reviews**
 - **Regulatory decision based on safety and security**
 - **Improved use of operating experience**

Operating Reactors

- **Accomplishments**
 - **Completed high-priority rulemakings**
 - **Progress on complex technical issues**
 - **Progress on integrated response planning and security-related exercises**

Operating Reactors

- **Priorities for 2009/2010/2011**
 - **Maintain safety and security of operating fleet**
 - **Resolution of complex technical issues**
 - **Aging/Materials issues**

Operating Reactors

- **Priorities for 2009/2010/2011**
 - **Integrated Pilot Comprehensive Exercises**
 - **Implementation of key rulemakings**

Operating Reactors

- **Potential Policy Issues**
 - **Rulemaking for the Generic Environmental Impact Statement update**
 - **Regulating new technologies**
 - **Emergency Preparedness Rulemaking**

New Reactors

Michael Johnson
Director, Office of New Reactors

New Reactors

- **Accomplishments**
 - **Thorough and timely reviews of applications**
 - **Significant progress on construction inspection program**
 - **Implemented proactive vendor inspection program**

New Reactors

- **Accomplishments**
 - **Active stakeholder outreach**
 - **Increased international interactions**

New Reactors

- **Priorities for 2009/2010/2011**
 - **Completion of Design Certification and Combined License reviews**
 - **Ability to adjust to changing demands**
 - **Advanced reactor program**

New Reactors

- **Priorities for 2009/2010/2011**
 - **Implement construction inspections**
 - **Vendor inspections focused on quality assurance**

New Reactors

- **Potential Policy Issues**
 - **Risk metrics for new reactors**
 - **Advanced Reactors**

Infrastructure

- **Accomplishments**
 - **Training Programs**
 - **Incident Response Upgrades**

Infrastructure

- **Priorities for 2009/2010/2011**
 - **Maintaining Skills inventory**
 - **Maintaining incident response capabilities**
 - **Lessons learned feedback**
 - **Interface with Federal Partners**

Infrastructure

- **Potential Policy Issues**
 - **Retention and Relocation**

Acronym

- **SOARCA – State of the Art Reactor Consequence Analysis**
- **NGNP – New Generation Nuclear Plant**
- **NFPA – National Fire Protection Act**
- **EP – Emergency Plan**
- **GL – Generic Letter**
- **BWR – Boiling Water Reactor**
- **ECCS – Emergency Core Cooling System**
- **DC – Design Certification**
- **COL - Combined License**
- **NSPDP – Nuclear Safety Professional Development Program**
- **CFR – Code of Federal Regulations**
- **RPS – Reactor Program System**
- **RASP – Risk Assessment Standardization Project**
- **ROP – Reactor Oversight Program**