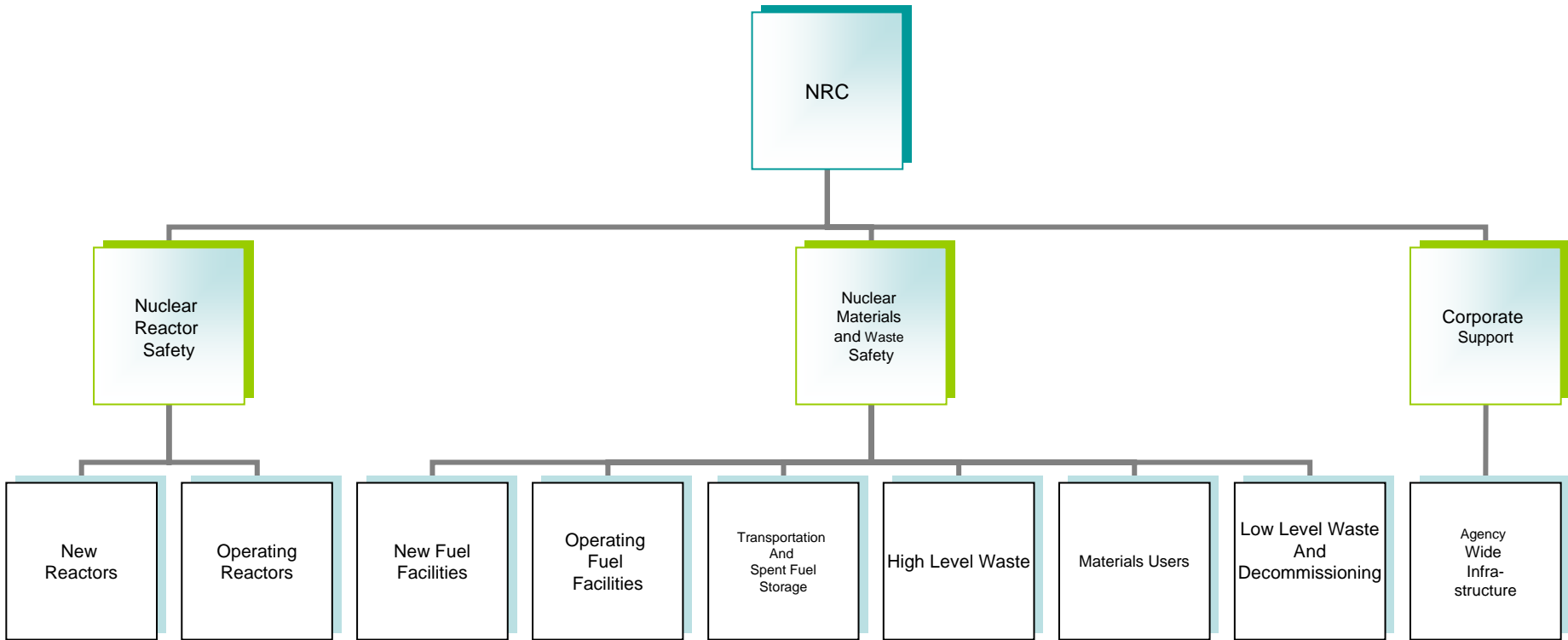




STATE OF THE NUCLEAR REACTOR SAFETY PROGRAMS

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