



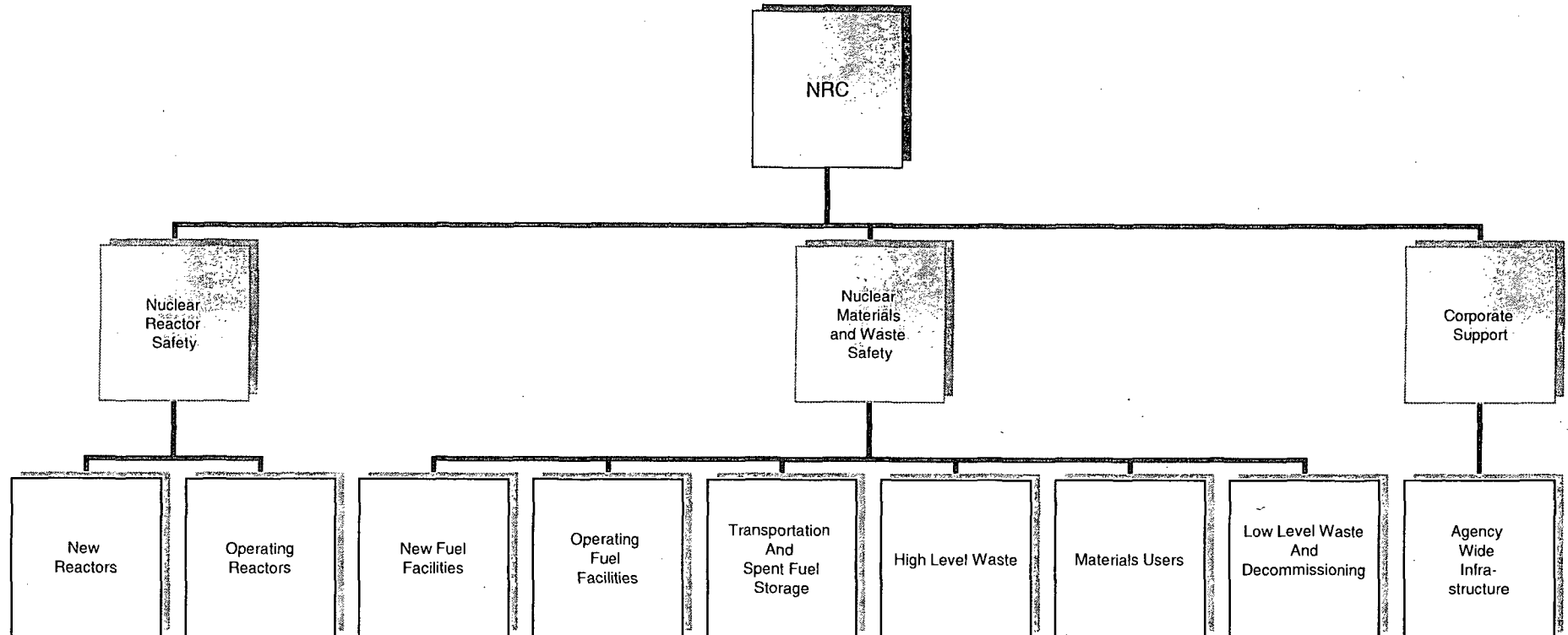
STATE OF THE NUCLEAR MATERIALS AND WASTE SAFETY PROGRAMS

BILL BORCHARDT

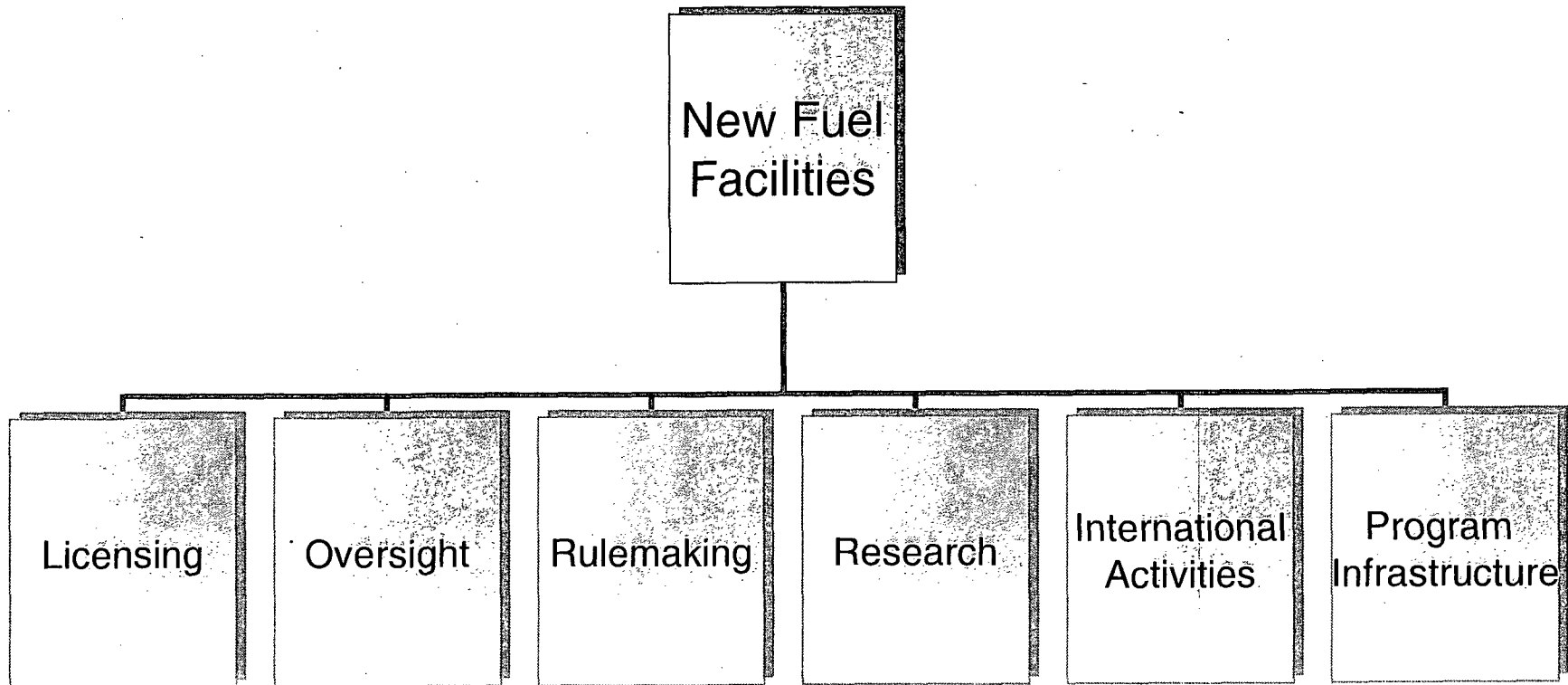
EXECUTIVE DIRECTOR FOR OPERATIONS

MARCH 16, 2009

Briefing Structure



Business & Product Lines



AGENDA

Introduction

New Fuel Facilities

Operating Fuel Facilities

**Transportation and Spent Fuel
Storage**

High Level Waste

AGENDA (continued)

Materials Users

**Low-Level Waste and
Decommissioning**

INTRODUCTION

- **Arrangement of Briefing**
 - **Accomplishments**
 - **Priorities**
 - **Potential policy issues**

Introduction

- **Partner organizations include:**
 - **The Regions, Research, Nuclear Security and Incident Response, the States, and many more Offices**

New Fuel Facilities

**MICHAEL F. WEBER
DIRECTOR, NMSS**

New Fuel Facilities

- **Accomplishments**
 - **Ensured the safe development of new facilities by performing thorough and timely licensing and inspection reviews**
 - **Identified infrastructure needs for new processes**

New Fuel Facilities

- **Priorities for 2009/2010/2011**
 - **Licensing Reviews & Oversight of New Enrichment Facilities**
 - **Licensing Decision for MOX FFF**
 - **Licensing Review for Proposed DU Deconversion Facility**

New Fuel Facilities

- **Potential Policy Issues**
 - **International Exchange of Enrichment Technology**
 - **Information Security for Enrichment Facilities**
 - **Enhancements to Regulatory Framework for Reprocessing**

Operating Fuel Facilities

- **Accomplishments**
 - **Maintained Safety through Quality and Timely Licensing Decisions and Oversight**
 - **Enhanced Security**
 - **Continued Stakeholder interactions**

Operating Fuel Facilities

- **Priorities for 2009/2010/2011**
 - **Licensing & Oversight of facilities**
 - **Rulemakings**
 - **Program Enhancements**
 - **Oversight Process**
 - **Incident Response**
 - **Enforcement Policy**
 - **Qualification Program (IMC 1247)**

Operating Fuel Facilities

- **Potential Policy Issues**
 - **Security Rulemakings**
 - **Part 40 Rulemaking**
 - **Chemical Security**

Transportation and Spent Fuel Storage

- **Accomplishments**
 - **Maintained safety through quality and timely certification reviews and oversight**
 - **Completed complex licensing actions**
 - **Successful Stakeholder interactions**

Transportation and Spent Fuel Storage

- **Priorities for 2009/2010/2011**
 - **Licensing and Oversight**
 - **Enhancing Regulatory Framework**

Transportation and Spent Fuel Storage

- **Potential Policy Issues**
 - **Package Performance Study (PPS)**
 - **Evolving National Strategies for High-Level Waste**

High-Level Waste

- **Accomplishments**
 - **Conducting a thorough review of the DOE license application for the High-Level Waste repository**
 - **Completed infrastructure development**

High-Level Waste

- **Priorities for 2009/2010/2011**
 - **Continue Licensing Review**
 - **Support Hearing Process**
 - **Review TAD applications**
 - **Maintain Program Viability**

High-Level Waste

- **Potential Policy Issue**
 - **Evolving National Strategies for High-Level Waste**

Materials Users

CHARLES L. MILLER
DIRECTOR, FSME

Materials Users

- **Accomplishments**
 - **Ensured safety, protected environment, enhanced security through materials activities**
 - **Supported New Agreement States**
 - **Completed major rulemakings**

Materials Users

- **Accomplishments (continued)**
 - **Deployed National Source Tracking System**
 - **Expanded training for Agreement State reviewers and inspectors**

Materials Users

- **Priorities for 2009/2010/2011**
 - **Resolve General License issues**
 - **CsCl alternatives**
 - **Facilitate medical isotope production and use**

Materials Users

- **Priorities for 2009/2010/2011**
 - **Prepare 2nd Energy Policy Act report**
 - **Continue focus on radioactive materials security issues**
 - **Develop enhanced security rulemakings (including Part 37)**

Materials Users

- **Priorities for 2009/2010/2011**
 - **Implement GAO Action Plan Recommendations**
 - **Deploy Web Based Licensing**
 - **Training in support of National Materials Program solutions**

Materials Users

- **Potential Policy Issues**
 - **NSTS Rule Expansion**
 - **ICRP 103**
 - **Regulatory Treatment of Tritium**
 - Exit Signs**

Low-Level Waste and Decommissioning

- **Accomplishments**
 - **Enhanced safety through monitoring activities and infrastructure development**
 - **Completed decommissioning at 8 sites in FY 2008**

Low-Level Waste and Decommissioning

- **Priorities for 2009/2010/2011**
 - **Make sound and timely UR licensing decisions**
 - **Initiate Part 61 (LLW) revisions**
 - **Participate in Joint Convention (including knowledge transfer)**

Low-Level Waste and Decommissioning

- **Potential Policy Issues**
 - **Blending/ Low-Level Waste**
 - **Military Remediation of Radium**
 - **Limited Work Authorizations**
 - **Part 61 (LLW) Revisions**
 - **West Valley EIS**

Conclusions

Acronyms

- **CsCl- Cesium Chloride**
- **DOE- U.S. Department of Energy**
- **DU- Depleted Uranium**
- **EIS- Environmental Impact Statement**
- **FFF- Fuel Fabrication Facility**
- **FSME- Office of Federal & State Materials and Environmental Management Programs**
- **FFF- Fuel Fabrication Facility**
- **FSME- Office of Federal & State Materials and Environmental Management Programs**
- **GAO- U.S. Government Accountability Office**
- **ICRP- International Commission on Radiological Protection**
- **IMC- Inspection Manual Chapter**

Acronyms (continued)

- **LLW- Low Level Waste**
- **MOX- Mixed Oxide**
- **NMSS- Office of Nuclear Material Safety & Safeguards**
- **NRC- U.S. Nuclear Regulatory Commission**
- **NSTS- National Source Tracking System**
- **PPS- Package Performance Study**
- **SRS- Savannah River Site**
- **TAD- Transportation, Aging, and Disposal Cask**
- **UR- Uranium Recovery**
- **US- United States**
- **WIR- Waste Incidental to Reprocessing**