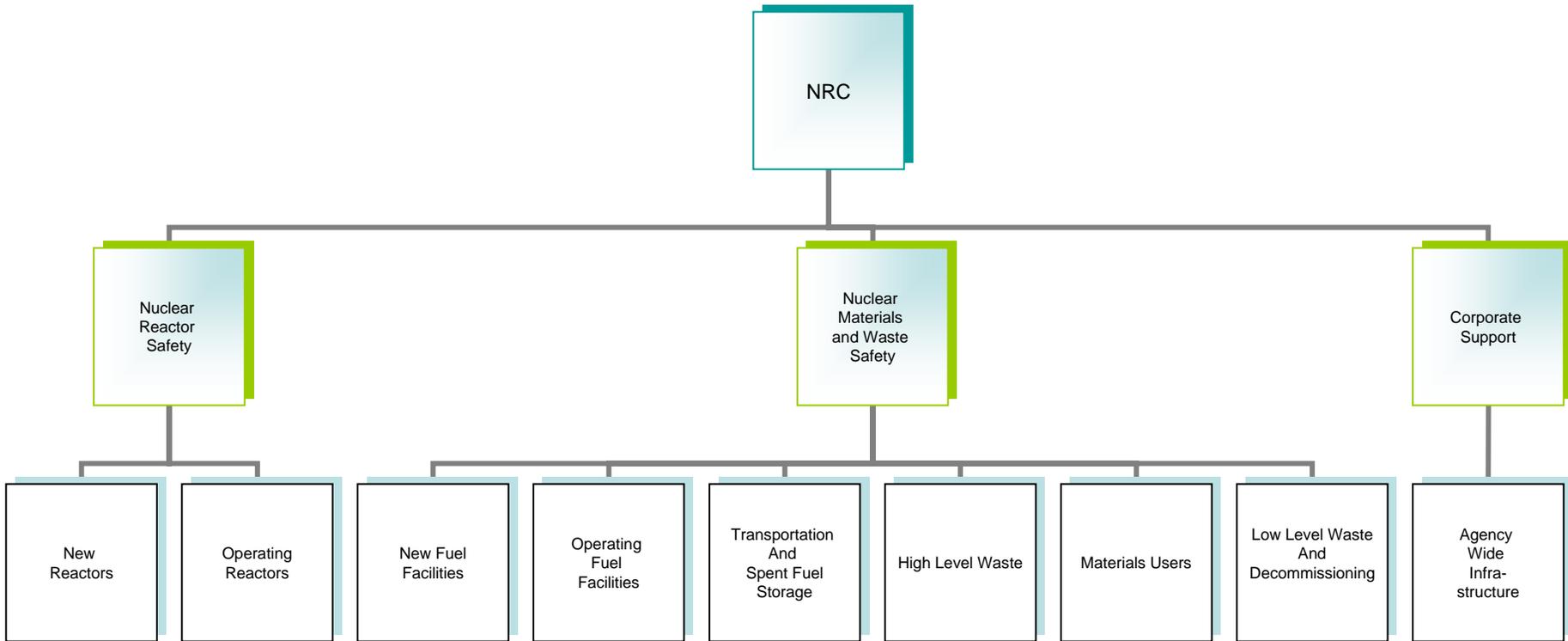




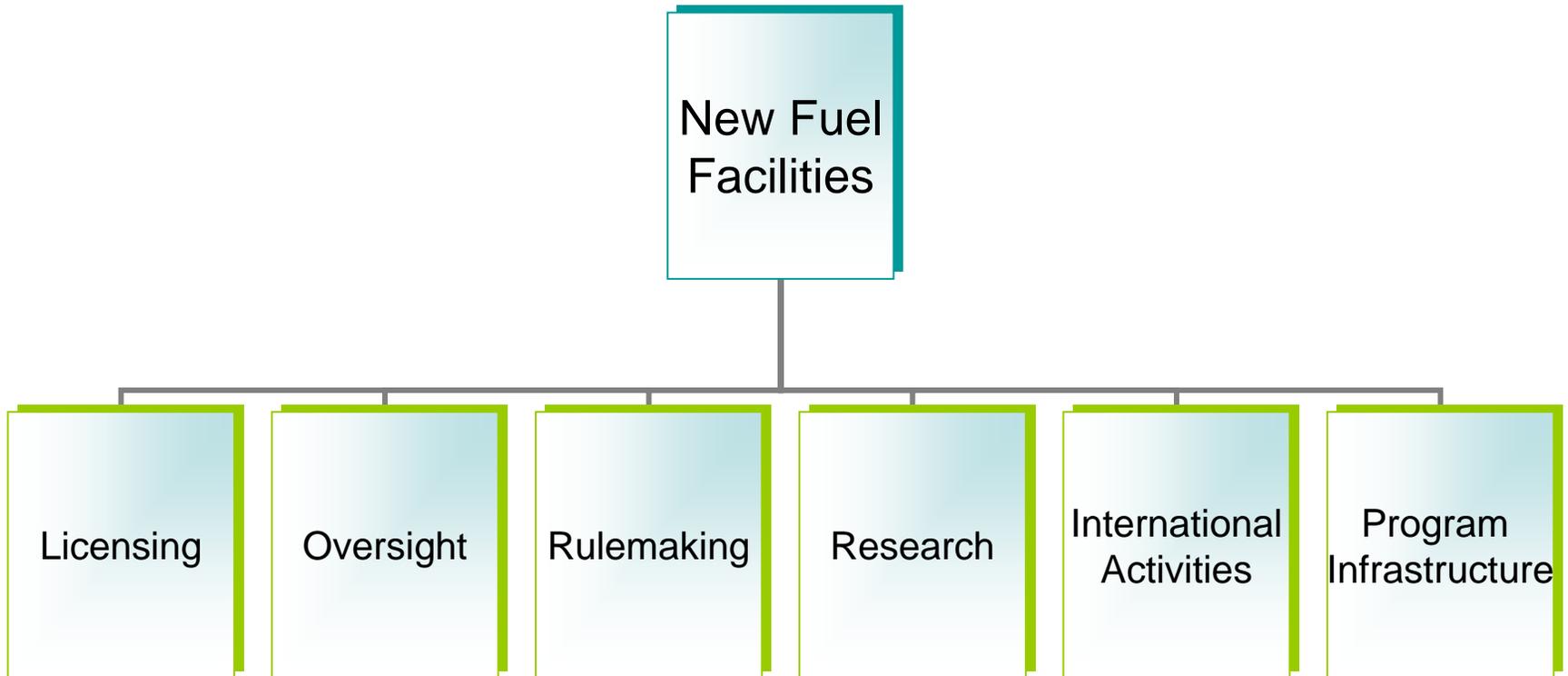
STATE OF THE NUCLEAR MATERIALS AND WASTE SAFETY PROGRAMS

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

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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

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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
 - CsCI 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