NRC Perspectives on the National Materials Program

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National Materials Program

- 38 separate regulatory programs
  - More than 20,000 specific material licenses
  - Broad range of uses

Many regulators still face significant budget or resource challenges.
Agenda

• Update on Management Changes
• EDO Focus Areas
• A Look Back at Common NRC/OAS Priorities
  – 2013
  – 2016
• Current NRC Priorities
• Event Trends
• Looking Forward: Transformation & other matters
Update on Management Changes

- EDO — Margie Doane
- General Counsel — Marian Zobler
- Acting DEDM — Dan Dorman
- Region I Regional Administrator — Dave Lew
- Region I Deputy RA — Ray Lorson
EDO Focus Areas

- Retain Commitment to Mission
- Modernize How We Work
- Enhance Quality of Work Products
Common Priorities (2013)

Tier One Issues

- License Verification System Deployment
- Revision of Policy Statements on Agreement State Program issues
- Explore revisions to IMPEP metrics and Compatibility determinations
- Part 37 Implementation
- Rulemaking Activities for Parts 35 and 61
- NUREG-1556 Revisions
Common Priorities (2013)

Tier Two

- Safety Culture
- Import/Export of Contaminated Products
- Exploration of Part 20 Rulemaking Issues
Common Priorities (2016)

Tier 1

- Pre-licensing (GAO "Sting") and source security issues
- Further development/deployment of Web-Based Licensing (WBL)
- Financial surety for risk-significant sealed source disposal
- IMPEP (consistency, team leader training, new report style)
Current Priorities

Current Issues

- Effective execution of Safety/Security Mission
- Enhanced communication/coordination
  - Follow-up actions for OIG Audit on NMP
  - Rulemaking Working Group
  - Implementation of MD 5.6 revision
  - Follow-up on IMPEP self-assessment
- WY and VT applications
- Source Security Issues
  - Category 3 recommendations
  - GAO review
  - Task Force Report
Current Priorities

Current Issues (cont'd)

- NUREG-1556
- ISMP/WBL enhancements
- Rulemaking Activities (see poster)
- Review current Part 35 T&E requirements
- Patient Release
- Emerging medical technologies
- Planning for the future
NMED Events (FY17)

- 410 NMED events
- 5 Fuel Cycle events
- 11 AOs
- 1 Special Event Study on Y-90
- Event numbers small compared to the millions of uses

Figure 1. All NMED Events (4,938 total) from SECY 18-0048, “Annual Report to the Commission on Licensee Performance in the Nuclear Materials and Waste Safety Program Fiscal Year 2017”
Looking Forward

Å Transformation

  • Principally focused on reactor technology

• NMP: What does Transformation look like in the context of the NMP?
Challenges Ahead?

- Events — Identifying safety and security significant issues

- Issues that will affect us all
  - Source Security Issues
    - GAO audit response
  - Further development/deployment of Web-Based Licensing
  - Part 35 Implementation
  - Rulemaking Activities for Parts 61, Risk-significant sealed source financial assurance, transportation, etc.
  - NUREG-1556 Revisions
Other Challenges

Å Focus of the National Materials Program
  ï Identifying the most significant issues
  ï Prioritizing joint efforts
  ï Communicating/coordinating

Å Budget and resource constraints
  ï Training for qualification
  ï Refresher training and knowledge management
  ï Most efficient/effective use of the resources we have

Å Enhancing NRC processes and improving consistency among regions (NRC)
Focusing Efforts

- Annual list of priorities
  - Helps us focus, results are achieved
  - Is there a better way to get State input?

- Consensus of Agreement States
  - Wide diversity of views
  - Alignment is essential
  - Where are the largest gains possible for the National Materials Program?
Challenges in implementing a consistent National Materials Program will continue
- Budget and resource constraints expected
- A failure anywhere is viewed by the public, and others, as a failure everywhere
- A focused, prioritized approach is effective for solving issues
- Your suggestions and input are needed
  - Innovation and broader thinking are in every program’s best interest
The best way to predict your future is to create it. – Abraham Lincoln

Questions?