



Briefing on Potential Medical Isotope Production Licensing Actions

**Office of Nuclear Reactor Regulation
May 11, 2012**

Agenda

- **NRC Interactions with Potential Applicants**
- **Licensing and Technical Processes**
- **Summary**

NRC Interactions with Potential Applicants

- **5 Letters of Intent**
 - **B&W**
 - **Coqui**
 - **GE Hitachi/Exelon**
 - **MURR**
 - **SHINE**
- **Issuance of RIS 2011-06**
 - **Early and Frequent Communication**

NRC Interactions with Potential Applicants (con't)

- **Public Meetings**
 - **Regulatory Framework**
 - **Licensing Process**
 - **Technical Methodologies and Review Process**
- **Letters**
 - **Class of Licenses**
 - **Combined Licenses**

Licensing and Technical Processes

- **Regulatory Framework**
- **Moly-99 Working Group**
 - **Review of Regulatory Framework and Guidance**
 - **Inter-office Coordination**

Licensing and Technical Processes (con't)

- **Guidance Development**
 - **Application Format and Content**
 - **Standard Review Plan**
- **NRC Environmental Review**
 - **EA or EIS Required Under NEPA**
 - **Coordination with DOE/NNSA**

Summary

- **Pre-application Activities**
- **Actively Developing Regulatory and Licensing Infrastructure**
- **Coordinating Inter-agency Activities**
- **Ready to Review Applications**

Acronyms

- **B&W** **Babcock and Wilcox**
- **DOE** **Department of Energy**
- **EA** **Environmental Assessment**
- **EIS** **Environmental Impact Statement**
- **GE** **General Electric**
- **ISG** **Interim Staff Guidance**

Acronyms (Cont.)

- **Moly-99** **Molybdenum-99**
- **MURR** **University of Missouri
Research Reactor**
- **NEPA** **National Environmental
Policy Act**
- **NNSA** **National Nuclear
Security Administration**
- **RIS** **Regulatory Issue
Summary**