

NRC INTERNATIONAL ACTIVITIES



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OVERVIEW

- **Five major international program areas:**
 - **Conventions and Treaties**
 - **Export and Import Licensing**
 - **Bilateral Arrangements**
 - **Multilateral Work**
 - **Cooperative Research**

CONVENTIONS & TREATIES

- **June 2007: Meeting on Use of Safety Standards in the Joint Convention**
- **July 2007: Member State Meeting on the Convention On Early Notification of a Nuclear Accident**
- **September 2007: Issuing the U.S. National Report and attending the Convention On Nuclear Safety Organizational Meeting**

CHALLENGES

- **Preparing for**
 - **2008 Convention on Nuclear Safety**
 - **2009 Joint Convention**
 - **2010 Non-Proliferation Treaty**
- **Implement the Amendments to the Convention on the Physical Protection of Nuclear Material**
- **Implement the Additional Protocol For International Atomic Energy Agency (IAEA) Safeguards**

EXPORT/IMPORT LICENSING

- **Implement the Energy Policy Act and Code of Conduct**
- **Refine Criteria for Category 1 and 2 Radioactive Sources Exports**
- **Refine Procedures and Controls with Hemispheric Neighbors**

CHALLENGES

- **Streamline 10 Code of Federal Regulations Part 110**
- **Increased Complexity in Licensing for Reactors, Components and Materials**
- **Knowledge Management through New Hires and Training**

BILATERAL COOPERATION

- **43 Bilateral Arrangements with 36 Countries and Taiwan**
- **Technical Support for U.S. Government Trilateral Exchanges with Canada and Mexico**
- **Active Cooperation with Finland, France, Canada, India, China, Iraq, Commonwealth of Independent States**

CHALLENGES

- **Regulatory Infrastructure for Countries Considering Nuclear Power Programs**
- **Increased Cooperation with Countries Currently Building**
- **Maintain Safe Operation of Existing Reactors**
- **Exchange Security Information**

CHALLENGES, CONT.

- **Expand Assistance to Enhance Safety and Security of Sources**
- **Expand Regulatory Infrastructure Assistance to Commonwealth of Independent States, Africa and Middle East**
- **Coordinate Assistance with Other Providers**

MULTILATERAL COOPERATION

- **Progress in Stages 1 and 2 of the Multinational Design Evaluation Program**
- **Participation in Nuclear Energy Agency (NEA) Safety Programs**
- **Participation in IAEA Safety, Security, Safeguards Programs**
- **Participation in International Council on Radiation Protection Activities**

CHALLENGES

- **Expansion of Collaboration with Multilateral Organizations to Leverage Resources**
- **Balanced Approach to Safety and Security in Domestic and International Guidance**
- **Human Resource and Knowledge Management**

COOPERATIVE RESEARCH ACTIVITIES

- **70+ bilateral or multilateral agreements with 24 countries plus OECD**
- **NRC contributes approx. \$4M/yr to international programs in U.S. and abroad**
- **Participants contribute approx. \$1M/yr to RES**
- **NRC provides intellectual capital, expert analysis, and experience to international programs.**

RES CONSIDERATIONS FOR PROPOSED INTERNATIONAL PROJECTS

- **Assists in preparing NRC for the future;**
- **Contributes to resolving existing or emerging regulatory or safety issues affecting U.S. licensees and applicants;**
- **Reduces known phenomenological uncertainties, enhances accuracy of NRC computer codes and data, and/or develops state-of-the art safety information;**
- **Contributes to maintaining and/or developing critical skills needed to carry out NRC mission;**
- **Supports completion of existing and projected work;**
- **Produces timely results that will meet our intended regulatory use;**
- **Overall costs (FTE, travel, contribution, contractor support) commensurate with the expected safety benefit**

CONCLUSION

- **Global Industry Requires Global Approaches**
- **Implementing Legal Obligations**
- **Consultation in Export Licensing**
- **Bilateral Opportunities to Learn**
- **Leveraging Resources through Multilateral Engagement**
- **Knowledge Management**