



# **Options to Revise Radiation Protection Regulations and Guidance - Further Considerations**

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# **Background**

- **International Commission on Radiological Protection (ICRP) completed revised recommendations in late 2007**
- **Ongoing stakeholder engagement and technical basis development**

# **Future Plans**

- **Facilitated roundtable workshops**
  - **Washington, DC, October 25-27, 2010**
  - **Los Angeles, CA, November 3-4, 2010**
  - **Houston, TX, November 8-9, 2010**
- **Staff recommendations to Commission**
  - **Fall 2011**

# **What Have We Heard?**

- **Wide range of views on major topics**
- **General support for increasing alignment with international recommendations**
- **General agreement that scientific information should be updated**

# Issues

- **Effective Dose and Numerical Values**
- **Occupational Dose Limits**
- **Dose Limits for Special Populations**
- **As Low As Reasonably Achievable (ALARA) planning**

# **Effective Dose**

- **Effective Dose**
  - **Supportive of update**
  - **Questions on application of current rule**
  - **Recognition of schedule**

# **Occupational Dose Limits**

- **Certain groups of licensees continue to have individuals above 20 millisievert/year (mSv/yr) (2 rem)**
- **Many want limit to stay at 50 mSv/yr (5 rem)**
- **Suggestion to keep higher limit as legal boundary, and increase ALARA requirements with mandatory constraints**

# Limits for Special Populations

- **Occupational Limits for Embryo/Fetus**
  - **Mixed feedback**
  - **Lack of data**
- **Public Exposure**
  - **Should special provisions for doses greater than 100 mrem be discontinued for embryos/fetuses, children, pregnant females, and nursing mothers?**



# **ALARA Planning - Constraints**

- **Tool in optimization of protection**
- **Not to be limits**
- **Details critical – Impact to licensees?**
- **Alternative to changing limits?**
  - **Numerical value**
  - **Approval to go above constraint**

**Questions?**