



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?