



**Recommendations for Policy and Technical  
Direction to Revise Radiation Protection  
Regulations and Guidance  
SECY-12-0064**

Interagency Steering Committee on Radiation Standards  
May 1, 2013

*Donald A. Cool, Ph.D.  
Senior Advisor, Radiation Safety and International Liaison  
Office of Federal and State Materials and Environmental Management Programs*



## **SRM-SECY-12-0064**

- Staff Recommendations – SECY-12-0064, April 25, 2012
- The Commission issued the Staff Requirements Memorandum (SRM) to the staff on December 17, 2012.
- The Commission approved in part, and disapproved in part, the staff's recommendation from SECY-12-0064.
- Staff is moving forward to implement the Commission's direction.



## Areas of Work

- Updated Methodology and Terminology
- Part 20 (Standards for Protection Against Ionizing Radiation) Technical Issues
- Part 50, Appendix I (Numerical Guidelines for Design Objectives to meet ALARA) Technical Issues
- Conforming Changes to other portions of the Regulations



# Updated Methodology and Terminology

- Commission Direction:
  - Develop a regulatory basis for a revision to 10 CFR Part 20 to align with the most recent methodology and terminology for dose assessment.
- Key Staff Actions:
  - Develop specific deliverables to support 10 CFR Part 20, Appendix B and 10 CFR Part 50, Appendix I.
  - Coordination with EPA and other Federal Agencies with objective of coherent use across Federal Government.



# 10 CFR Part 20 Technical Issues

- Commission Direction:
  - Occupational Effective Dose Limit (5 rem (50 mSv)) – No change
  - Continue discussions with stakeholders regarding possible revisions to the dose limit (15 rem (150 mSv)) for the lens of the eye
  - Continue discussions with stakeholders regarding possible revisions to the dose limit (0.5 rem (5 mSv)) for embryo/fetus
  - Continue discussions with stakeholders on alternative approaches to deal with individual protection at or near the current effective dose limit.
  - Disapproved the elimination of traditional units from NRC regulations. Both traditional and SI units should be maintained.
  - Improve reporting of occupational exposure by NRC and Agreement State licensees, some of which do not currently submit reports.



# 10 CFR Part 20 Technical Issues

- Key Staff Actions:
  - Engage Federal Agencies, States, licensees, and with public stakeholders on each of the topics.
    - Conference of Radiation Control Program Directors Annual Meeting
    - International Dosimetry Conference
    - Health Physics Society Annual Meeting
    - Master Material License Counterpart Annual Meeting
    - Nuclear Energy Institute Radiation Protection Forum
    - American Association of Physicists in Medicine
    - Organization of Agreement States Annual Meeting
  - Develop Federal Register Notice with specific proposed options and questions.
    - Plan to publish for inputs early summer
    - All comments to be docketed



## 10 CFR Part 20: Proposed Project Schedule

TASKS	DATES
Initial Planning Activities	
1 <sup>st</sup> Round of Stakeholder Outreach Activities	Summer 2013
Summarize and Address Comments	Fall 2013
2 <sup>nd</sup> Round of Stakeholder Outreach Activities	Spring – Summer 2014
Summarize and Address Comments	Fall 2014
Prepare Regulatory Basis	2015

# Questions?

