

Options to Revise Radiation Protection Regulations

SECY-08-0197

*National State Liaison Officer Conference
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Context

- **Radiation Protection regulations and guidance cover everything from Nuclear Power Plants to industrial and medical uses.**
- **Activities may be covered by NRC regulations, or be those of an Agreement State.**
- **Other Federal Agencies, including the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA) also have roles.**



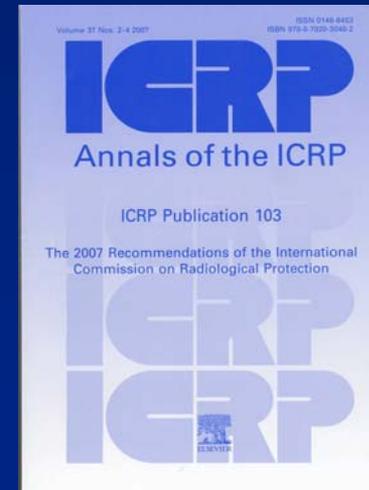
Background

- Most recent rulemaking to incorporate the recommendations of the ICRP into 10 CFR 20 was completed in 1991, and was based primarily on ICRP Publications 26 (1977)
- Regulations that contained explicit dose criteria, rather than cross-references to Part 20, were not updated in 1991, and remain based primarily on ICRP Publications 1 (1958) and 2 (1959)



Background

- NRC staff recommended in 2001 that the Commission wait for next set of ICRP recommendations, and begin Technical Basis development
- Commission agreed in April, 2002, but did not approve Technical Basis efforts
- ICRP Recommendations published in December, 2007 as Publication 103, following considerable public consultation



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- Policy Issue Notation Vote paper provided to Commission on December 18, 2008
- Provided Options for next steps regarding NRC radiation protection standards
- Provided Background on technical issues in 10 CFR Part 20 and 10 CFR Part 50
- Recommended Commission approval for staff to undertake stakeholder dialogue and technical basis development

	POLICY ISSUE (Notation Vote)	
<u>December 18, 2008</u>		<u>SECY-08-0197</u>
<u>FOR:</u>	The Commissioners	
<u>FROM:</u>	R. W. Borchardt Executive Director for Operations	
<u>SUBJECT:</u>	OPTIONS TO REVISE RADIATION PROTECTION REGULATIONS AND GUIDANCE WITH RESPECT TO THE 2007 RECOMMENDATIONS OF THE INTERNATIONAL COMMISSION ON RADIOLOGICAL PROTECTION	

SRM-SECY-08-0197

- Commission approved staff recommendation April 2, 2009
- Objective is to explore implications, as appropriate and where scientifically justified, of greater alignment with ICRP Publication 103.
- Given adequate protection, discussion is to focus on discerning the benefits and burdens associated with revising the radiation protection regulatory framework

April 2, 2009

MEMORANDUM TO: R. W. Borchardt
Executive Director for Operations

FROM: Annette L. Vietti-Cook, Secretary /RA/

SUBJECT: STAFF REQUIREMENTS – SECY-08-0197 – OPTIONS TO REVISE RADIATION PROTECTION REGULATIONS AND GUIDANCE WITH RESPECT TO THE 2007 RECOMMENDATIONS OF THE INTERNATIONAL COMMISSION ON RADIOLOGICAL PROTECTION

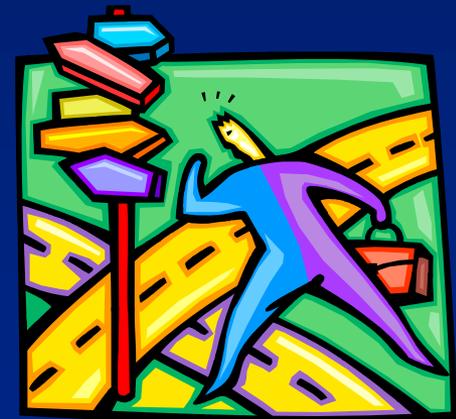
Issues

- **Effective Dose**
- **Numerical Values**
- **Occupational Dose Limits**
- **Dose Limits for Embryo/Fetus**
- **Use of Constraints for ALARA planning**
- **Revision of Part 50 Appendix I for Effluent ALARA**



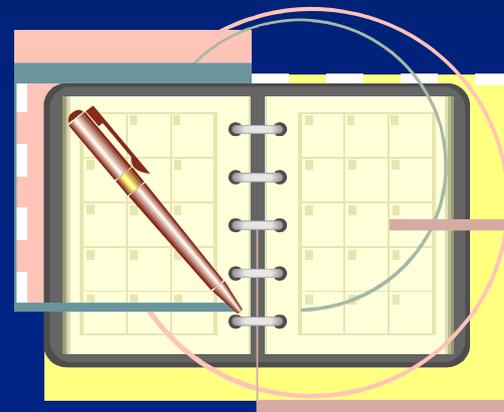
Moving Forward

- **NRC staff is looking to engage stakeholders on the technical issues and options for resolution**
 - **What are YOUR thoughts on the technical issues?**
 - **What are the impacts of different options?**
 - **Are there other options that should be considered?**
 - **What other issues need to be put on the table?**
 - **What information is needed to make decisions?**
 - **What information can you bring to the table to aid in the discussions?**



Schedule

- **Spring – Summer 2009: Initial discussions and awareness presentations**
- **Fall 2009: Initiate detailed discussions, including possible workshops, on options and impacts**
- **2010: Continued development and refinement of information, options, and impacts**
- **Ongoing: Technical basis development, interactions with Federal Agencies through ISCORS**



Questions ?

- Web pages

<http://www.nrc.gov/about-nrc/regulatory/rulemaking/opt-revise.html>

- Email Address: regs4rp@nrc.gov

