

Radiation Protection Regulatory Guide Revision - Updates and Focus Areas

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March 13, 2018



How We Regulate

- Regulations
- Regulatory guidance provides one acceptable method of implementing regulations
- Reactor Oversight Process
 - Inspections
 - Significance Determination Process

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NRC Principles of Good Regulation

- **Independence** decisions are based on objective, unbiased information
- **Openness** seek facts and opinions before making independent decisions
- **Efficiency** regulatory activities are consistent with risk reduction, and reasonable assurance of adequate protection
- **Clarity** coherent, logical and practical regulations and guidance
- **Reliability** regulations are based on best available knowledge, are reliable, and provide regulatory stability

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Regulatory Guide Revision Process

- Identify regulatory guides (RGs) in need of improvement
- Draft improved RGs
- Seek public comments
- Address public comments & issue final RGs

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Regulatory Guides Recently Issued

- Final RG 4.25, Rev. 0
 - Assessment of Abnormal Radionuclide Discharges in Ground Water to the Unrestricted Area
- Final RG 8.7, Rev. 3
 - Recording & Reporting Occupational Radiation Dose Data

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Regulatory Guides Under Revision

- RG 8.7 Instructions for Recording and Reporting Occupational Radiation Dose Data
- RG 8.34 Monitoring Criteria and Methods to Calculate Occupational Radiation Doses
- RG 4.13 Environmental Dosimetry – Performance Specifications, Testing, and Data Analyses
- RG 1.8 Qualification and Training of Personnel for Nuclear Power Plants




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RG 8.7 Instructions for Recording and Reporting Occupational Radiation Dose Data, Rev 4

- Reason for Revision:
 - Updating Rev. 3 to reinstate the NRC position on prospective evaluations without prior dose consideration
- Draft Rev. 4 (issued for public comment in October 2017)
- Final Rev. 4:
 - Ensuring consistency on monitoring with RG 8.34
 - Addressing public comments


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RG 8.34 Monitoring Criteria and Methods to Calculate Occupational Radiation Doses, Rev. 1

- Reason for revision:
 - Clarifying scope of prospective evaluations
- Proposed revision will consider:
 - Clarify:
 - required vs voluntary monitoring
 - likely and unlikely exposures

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RG 4.13 Environmental Dosimetry – Performance Specifications, Testing, and Data Analyses, Rev. 2

- Reason for revision:
 - Endorsing American National Standards Institute (ANSI)/ Health Physics Society (HPS) N13.17
- Proposed revision will consider:
 - Providing improved performance specifications
 - Providing data analysis method to determine facility-related dose

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RG 1.8, Rev. 4, Qualification and Training of Personnel for Nuclear Power Plants

- Reason for revision:
 - Updating to ANSI/ANS 3.1-2014
 - Specify Radiation Protection Manager (RPM) position qualifications and experience
- Proposed revision will consider:
 - Endorsing ANSI/ANS 3.1-2014 (with exceptions)
 - Exceptions include specifying experience and qualifications needed for new RPMs

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Focus Areas

- Consistency/Clarity
- Prioritization/Effectiveness
- Timeliness/Efficiency
- Stakeholder Engagement

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