NUREG-1757, Volume 2, Revision 2
Consolidated Decommissioning Guidance:
Characterization, Survey, and Determination of Radiological Criteria

U.S. Nuclear Regulatory Commission
Public Meeting / March 15, 2021
WELCOME

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Introduction

- NUREG-1757, Volume 2, Revision 2 draft for comment is now available at ADAMS accession no. ML20273A010 or at https://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1757/v2/index.html
- Rev. 2 guidance is currently available for use by licensees and the Agreement States
- The guidance document provides technical information on acceptable methods to meet license termination rule criteria found in 10 CFR Part 20 Subpart E
- The purpose of today’s meeting is to receive your comments on the draft report to help us finalize the report
Working Group Members

Regional Staff
• Laurie Kauffman, Region I, Health Physicist
• Michael LaFranzo, Region III, Senior Health Physicist

NRC Headquarters Staff
• Cynthia Barr, Senior Risk Analyst
• Greg Chapman, Health Physicist
• Sheldon Clark, Attorney
• Tony Huffert, Senior Health Physicist
• Leah Parks, Risk Analyst
• Adam Schwartzman, Risk Analyst
Draft for Public Comment

- The draft for public comment was completed on November 30, 2020 ML20273A010
- A Federal Register Notice announcing the availability of the draft report for public comment was issued December 8, 2020 for a 60-day public comment period 85 FRN 79044
- A Federal Register Notice extending the public comment period was issued on January 22, 2021 (extended for a total of 120-day public comment period; ending on April 8, 2021) 86 FRN 6683; NRC staff also announced this public meeting
Major Changes to NUREG-1757, Vol. 2

- Dose modeling (updated guidance in Chapter 5, Appendix I, Appendix J, and new Appendix Q)
- Radiological surveys (updated guidance in Appendix G)
- Surface water and groundwater characterization (new guidance in Appendix F)
- “As Low As Is Reasonably Achievable (ALARA)” analysis (updated guidance in Appendix N)
- Composite sampling (new guidance in Appendix O)
- Engineered barrier analysis (updated guidance in Section 3.5 and Appendix P)
Dose Modeling

- Conceptualization (Appendix I)
  - Model abstraction
- Source Term (Appendix I)
  - Heterogenous distributions
  - Consideration of elevated areas
- Scenarios (Appendix J)
  - Intrusion analyses for buried radioactivity
- Uncertainty analysis (Appendix Q)
  - Representativeness of data
  - Risk dilution
Radiological Surveys

- Updated guidance (Appendix G)
  - Scenario B
  - Reuse of soils
  - Surveys of excavations
  - Dose modeling and radiological survey integration
  - Use of geographic information system and geostatistical tools
Next Steps

- Finish soliciting public comments on draft document
- Summarize and address comments
- Publish final NUREG (expected to be published sometime next year)
The purpose of today's meeting is to collect public comments on the draft guidance document.

Formal methods to get your comments to NRC include:

✓ Federal Rulemaking Website: Go to https://www.regulations.gov and search for Docket ID NRC-2020-0192

✓ Mail comments to: Office of Administration, Mail Stop: TWFN-7-A60M, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, ATTN: Program Management, Announcements and Editing Staff
Summary and Conclusions

• NRC has issued NUREG-1757, Volume 2 for public comment. The document is available in ADAMS or on NRC’s web site
  ✓ ML20273A010

• The purpose of today's meeting is to collect public comments

• Formal methods are available to submit comments through
  ✓ The https://www.regulations.gov web site using docket number NRC-2020-0192
  ✓ Mail Comments to Office of Administration, Mail Stop T-7-A60M, US NRC, Washington, DC 20555