

NUREG-1757, Volume 2, Revision 2

Consolidated Decommissioning Guidance:

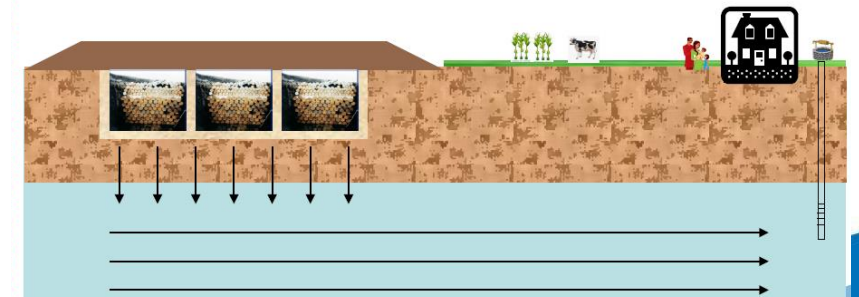
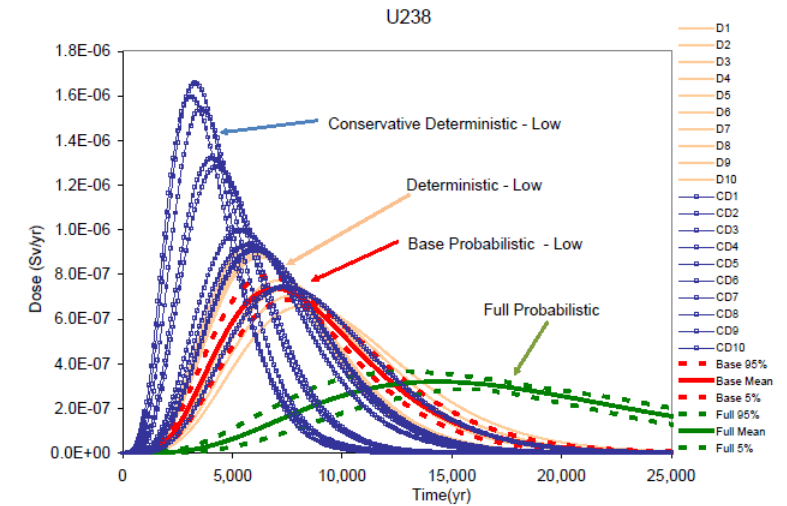
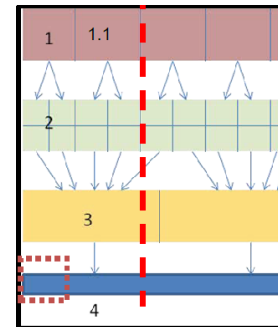
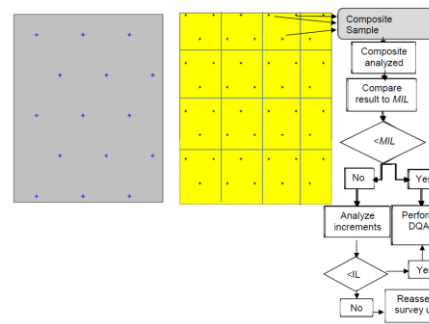
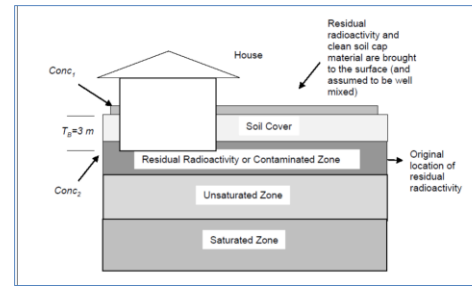
Characterization, Survey, and Determination of Radiological Criteria

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



WELCOME

Dr. Patricia Holahan, PhD, Director
Division of Decommissioning,
Uranium Recovery and Waste
Programs



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

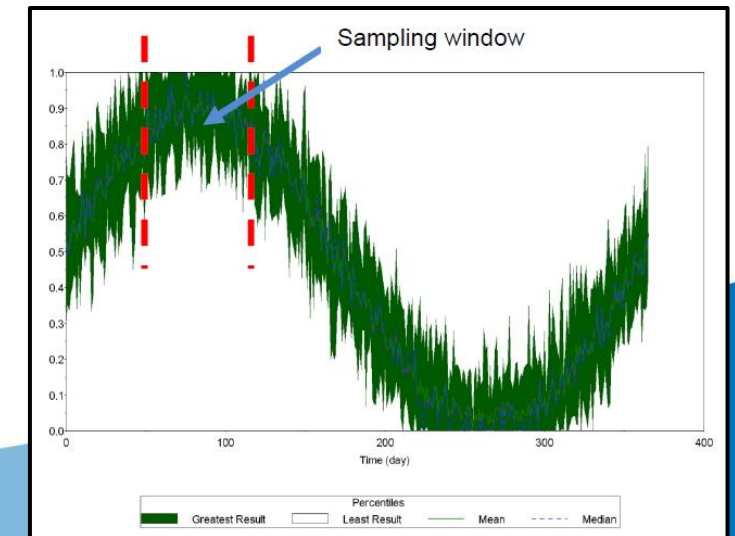
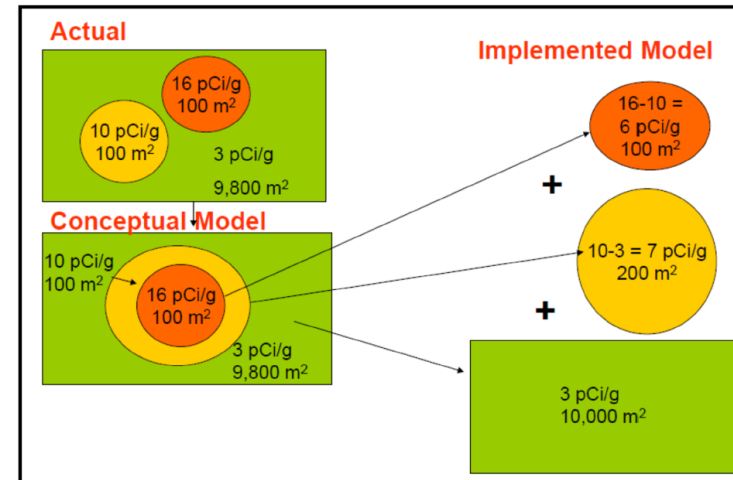
Major Changes to NUREG-1757, Vol. 2



- 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)

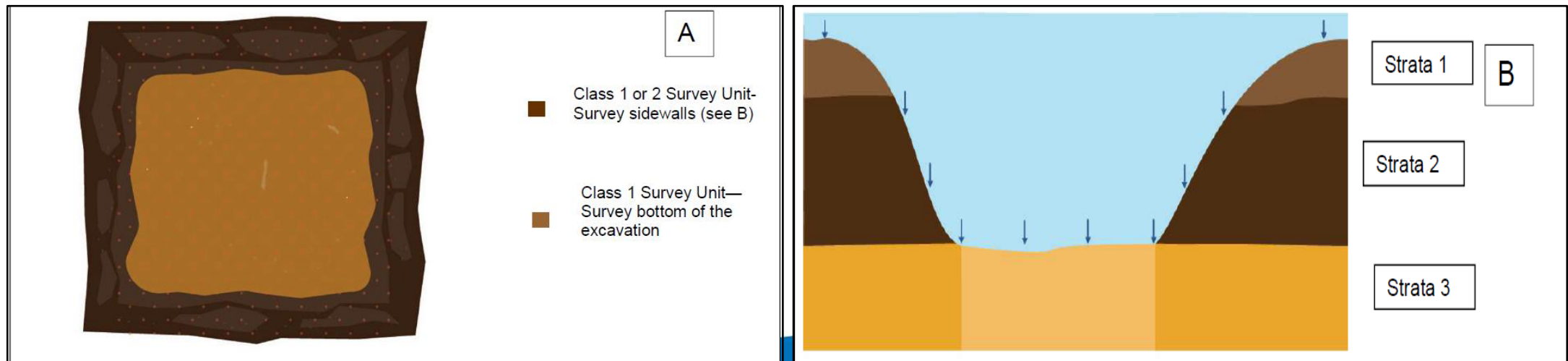
Dose Modeling

- 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

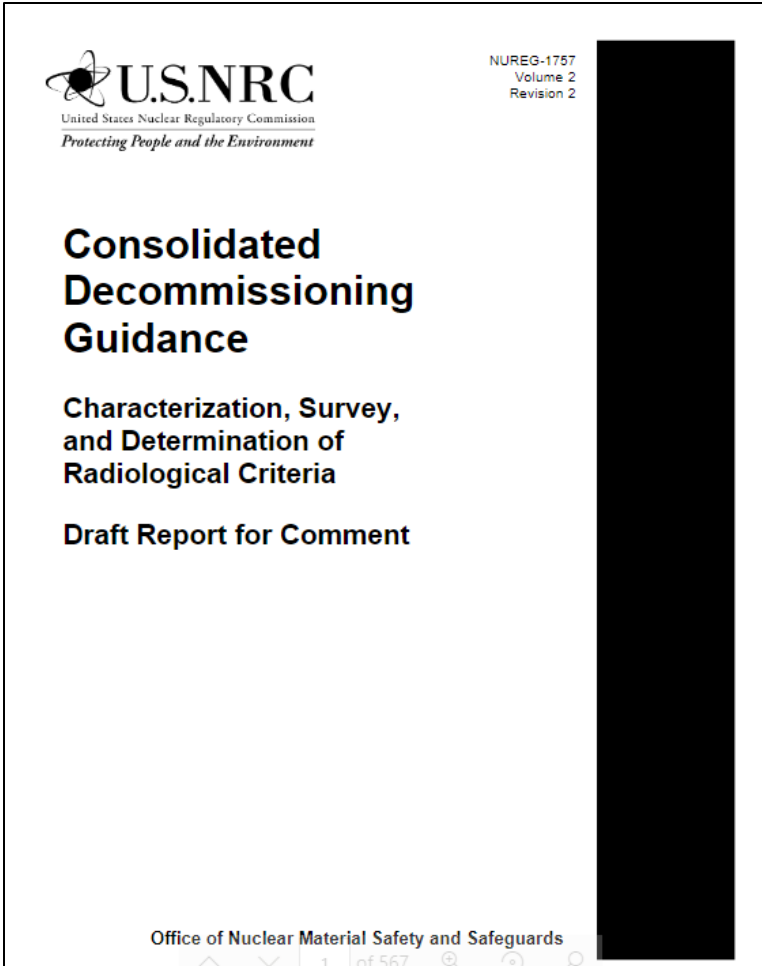


Radiological Surveys

- 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



The image shows the cover of a document titled "Consolidated Decommissioning Guidance". The cover includes the U.S. NRC logo and the text "United States Nuclear Regulatory Commission" and "Protecting People and the Environment". The title "Consolidated Decommissioning Guidance" is prominently displayed. Below the title, it reads "Characterization, Survey, and Determination of Radiological Criteria" and "Draft Report for Comment". The document number "NUREG-1757 Volume 2 Revision 2" is in the top right corner. At the bottom, it says "Office of Nuclear Material Safety and Safeguards". A large black vertical bar is on the right side of the cover.

U.S.NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment

NUREG-1757
Volume 2
Revision 2

**Consolidated
Decommissioning
Guidance**

Characterization, Survey,
and Determination of
Radiological Criteria

Draft Report for Comment

Office of Nuclear Material Safety and Safeguards

- Finish soliciting public comments on draft document
- Summarize and address comments
- Publish final NUREG (expected to be published sometime next year)

Comments

- 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
 - ✓ <https://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1757/v2/index.html>
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 - ✓ Mail Comments to Office of Administration, Mail Stop T-7-A60M, US NRC, Washington, DC 20555