

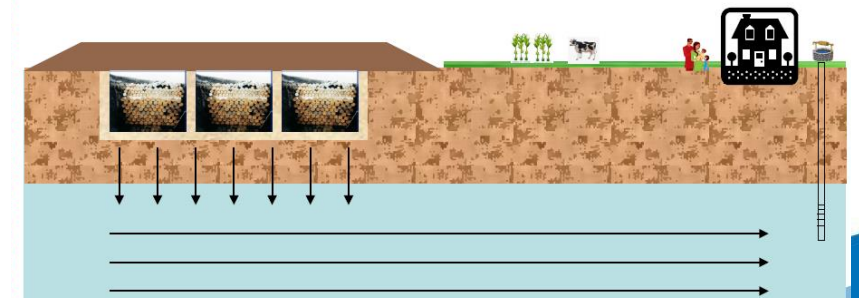
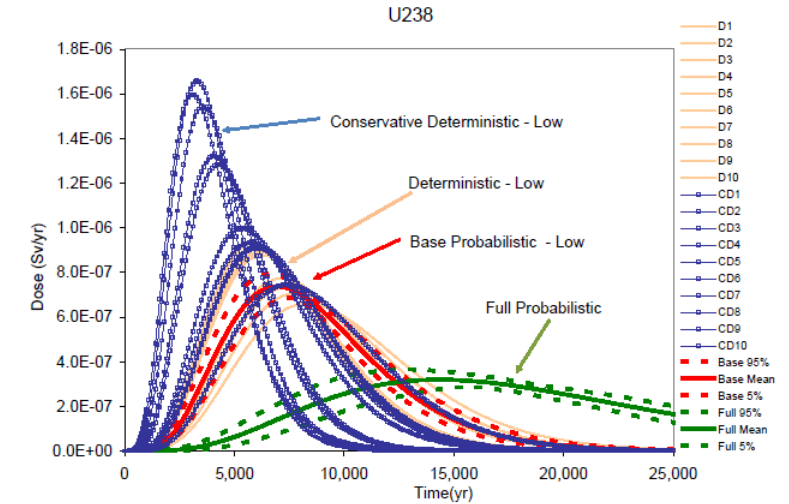
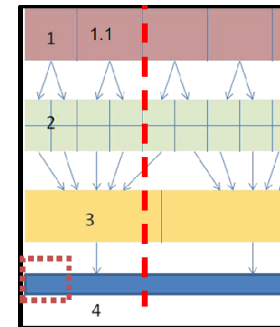
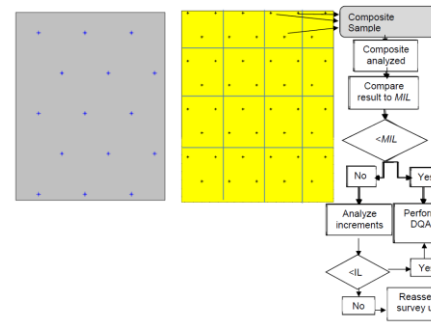
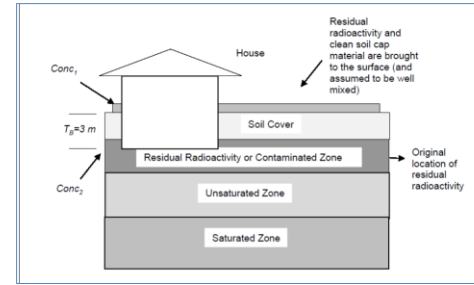
NUREG-1757, Volume 2, Revision 2

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

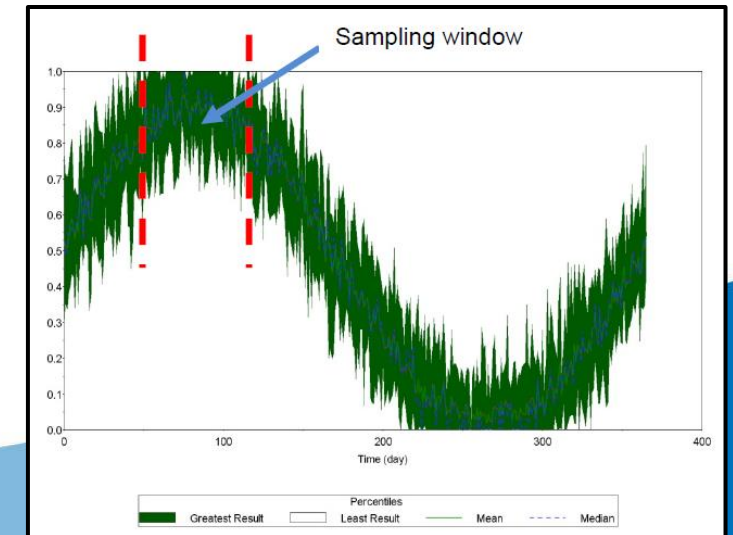
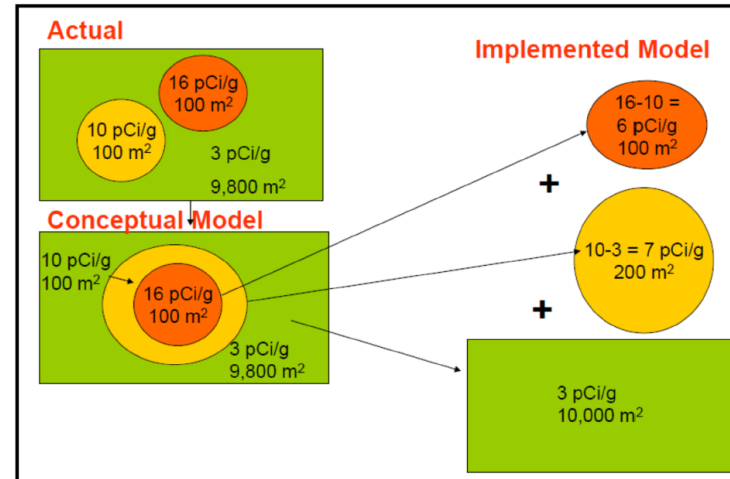
Major Changes to NUREG-1757, Vol. 2



- 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)

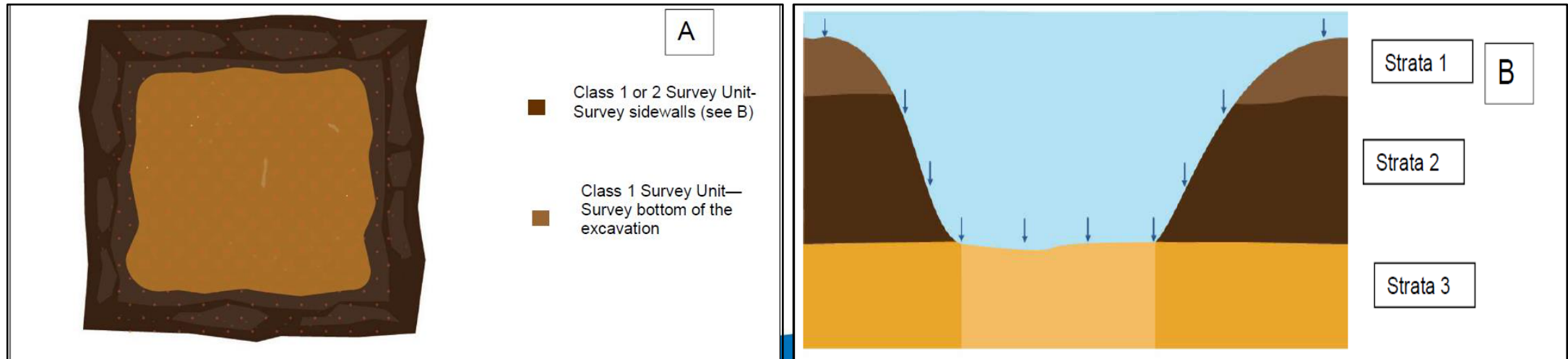
Dose Modeling

- 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

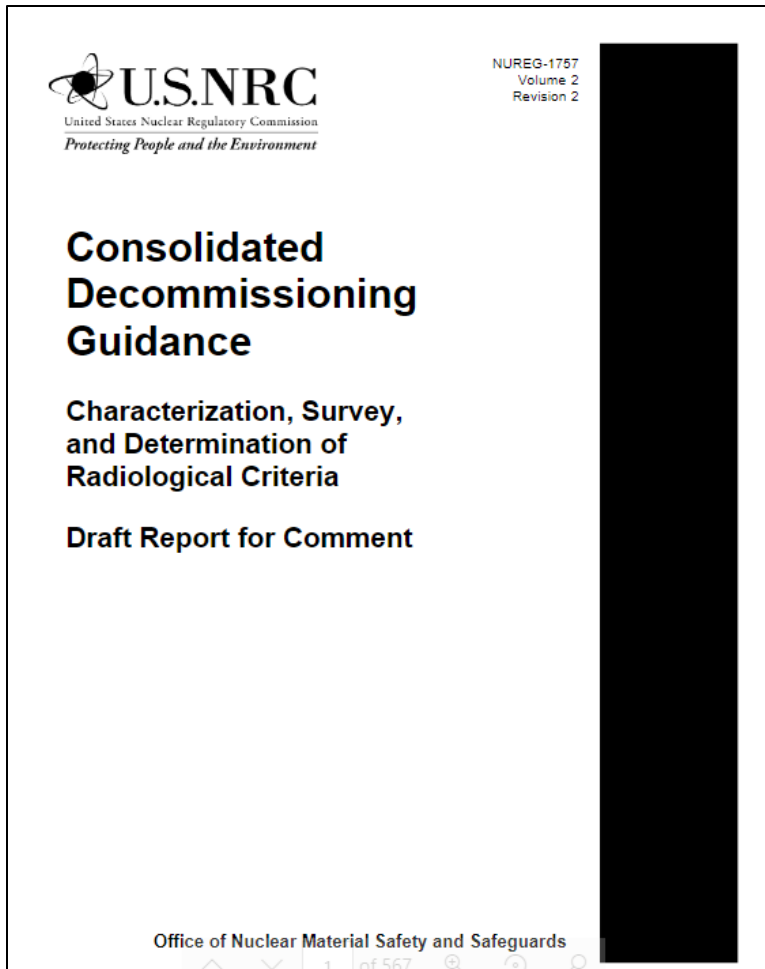


Radiological Surveys

- 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



- 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>
- 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