NRC's Key Topics in Low-Level Waste: 10 CFR Part 61

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WM2017 Symposia: Panel 061
Major Changes Made in the
Final Rule
Phoenix, Arizona

Gregory Suber, LLW Branch Chief
Division of Decommissioning, Uranium Recovery and
Waste Programs (DUWP)
Office of Nuclear Material Safety and Safeguards
(NMSS)



Overview

- Status of rulemaking
- Discuss major changes in the final 10 CFR Part 61 rule
 - Changes to the analyses timeframe
 - Requirements for demonstrating defense-in-depth
 - Inadvertent intruder scenarios
 - Compatibility
- Next steps



Where are we now?

Commission
Approved
Proposed
Rule and
Draft
Guidance

Proposed Rule and Draft Guidance Issued

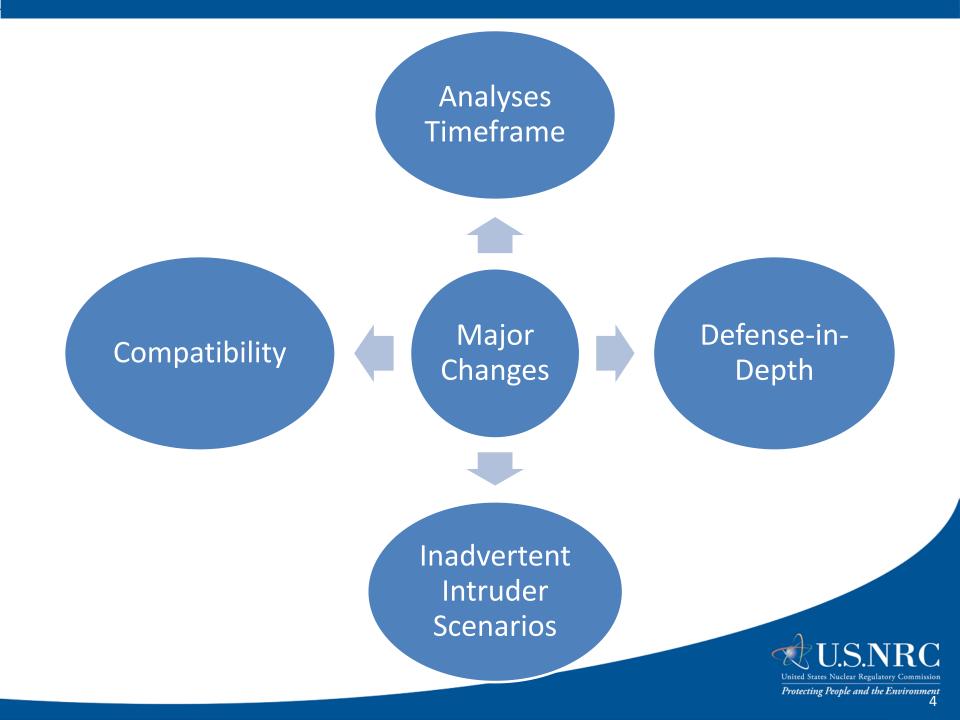
Final Rule to Commission

SECY-16-0106: ML16188A290

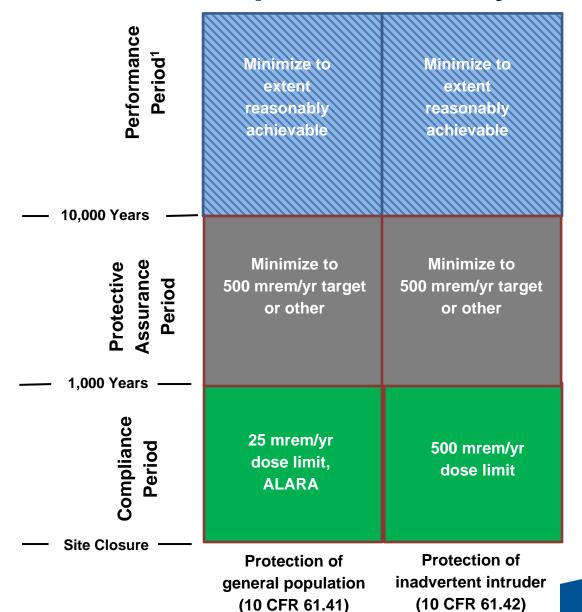
2/12/14

3/26/15

9/15/16



What were the previous analyses timeframes?



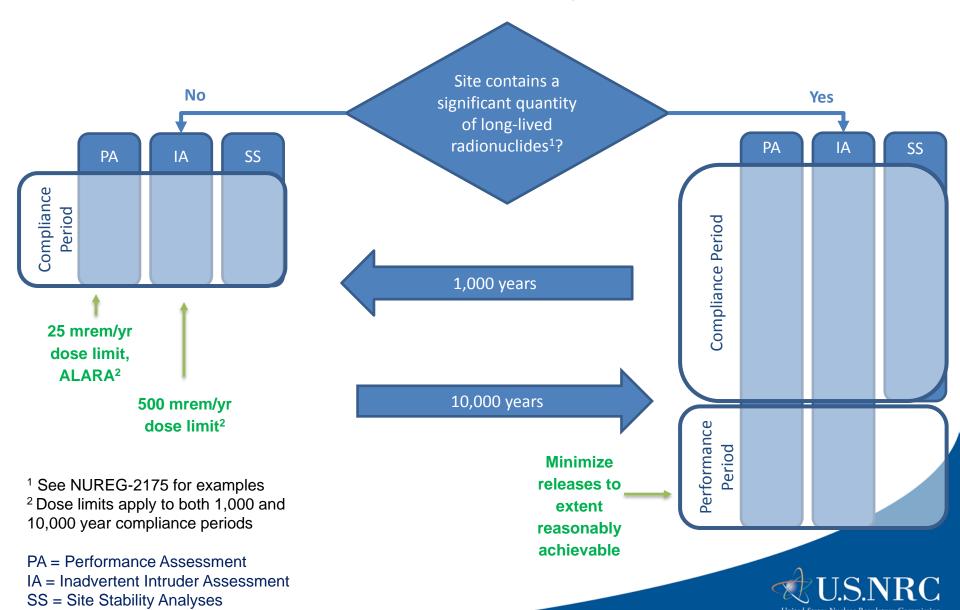
SRM-SECY-13-0075 3-tier approach

Increasing uncertainty, flexibility to licensees and decision makers

¹ Only applicable if concentrations on a facility-averaged basis are above 10 CFR 61.13(e) Table A



What are the proposed analyses timeframes?



Protecting People and the Environment

Major Changes in the Final Rule

Defense-in-Depth

§ 61.13 Technical Analyses needed to demonstrate that the performance objectives of subpart C of 10 CFR Part 61 have been met



§ 61.12 Specific Technical Information required which supports the safety case

§ 61.13(f) Analyses that demonstrate the proposed disposal facility includes defense-in-depth protections



§ 61.12 (o) Identification of defense-in-depth protections, including a description of the capability of each defense-in-depth protection relied upon to maintain safety and a basis for the capability of each defense-in-depth protection

Major Changes in the Final Rule

Inadvertent Intruder Scenarios

§ 61.13 (b)(3)(i)

...reasonably foreseeable pursuits that are consistent with activities in and around the site at the time of closure...

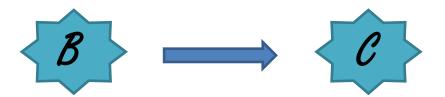


§ 61.13 (b)(1)

...reasonably foreseeable pursuits that are consistent with the activities and pursuits occurring in and around the site at the time of development of the inadvertent intruder assessment...

Major Changes in the Final Rule

Compatibility



§ 61.2 Definitions

Compliance period

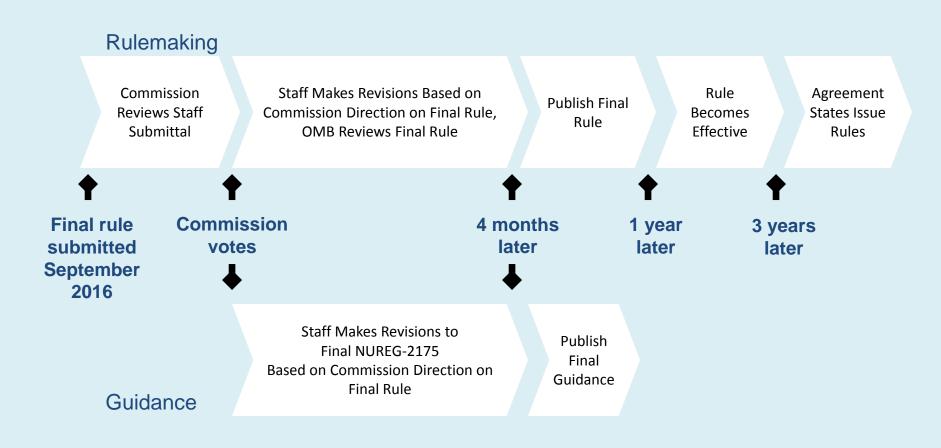
- means the time from the completion of site closure to 1,000 years after site closure for disposal sites that do not contain significant quantities of longlived radionuclides.
- For disposal sites that contain or plan to accept significant quantities of long-lived radionuclides, the compliance period ends at 10,000 years after closure of the disposal site

§ 61.58 Waste Acceptance





What is the Schedule?



Note: Timelines are approximate

Questions?

