

Decommissioning Generic Environmental Impact Statement

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Decom GEIS - What is it?

- ▶ NUREG-0586, Supplement 1 – *Generic Environmental Impact Statement on Decommissioning of Nuclear Facilities* (Decom GEIS), published in 2002
- ▶ Addresses the impacts on the environment from decommissioning nuclear power plants
 - ▶ Considers three options for decommissioning
 - ▶ SAFSTOR – place the facility in long term storage
 - ▶ DECON – immediately decontaminate and dismantle
 - ▶ ENTOMB – encased within a structurally long-lived material
 - ▶ Evaluates unrestricted use only
 - ▶ Does not include impacts related to changes between operation and decommissioning or during site restoration
 - ▶ Does not include spent fuel storage

Decom GEIS - Resources Evaluated

▶ Generically Resolved Issues

- ▶ Land Use
- ▶ Water Use and Quality
- ▶ Air Quality
- ▶ Ecology (aquatic and terrestrial)
- ▶ Radiological
- ▶ Accidents
- ▶ Occupational Issues
- ▶ Socioeconomics
- ▶ Cultural and Historic Resources
- ▶ Aesthetics and Noise
- ▶ Transportation
- ▶ Impacts are all SMALL

▶ Conditionally Site-Specific Issues

- ▶ Beyond the operational area
 - ▶ Land Use
 - ▶ Aquatic Ecology
 - ▶ Terrestrial Ecology
 - ▶ Cultural and Historic Resources
- ▶ Operational Area = Portion of the site where most activities occurred (protected area, intake/discharge structures, paved/landscaped areas)

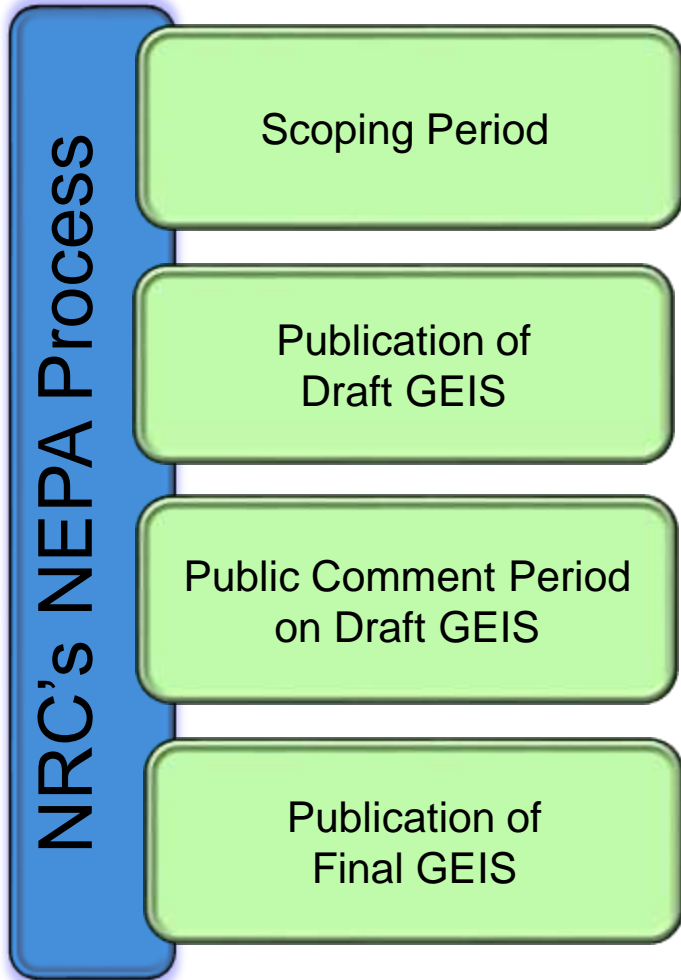
▶ Site-Specific Issues

- ▶ Environmental Justice
- ▶ Threatened and Endangered Species

Decom GEIS - How is it used?

- ▶ By the NRC
 - ▶ Referenced in environmental (NEPA) reviews for new reactor licensing and reactor license renewals
 - ▶ Used for license termination plan reviews
- ▶ By the licensees
 - ▶ To show impacts are bounded in Post Shutdown Decommissioning Activities Report (PSDAR)
 - ▶ To demonstrate compliance with 10 CFR 50.82(a)(6)(ii)
- ▶ By the public
 - ▶ To understand the decommissioning process, the activities performed during decommissioning, and the potential environmental impacts of those activities

Decom GEIS - Process for Update



► Scoping

- Notice will be issued in the *Federal Register* to initiate comment period
- Public meetings
- Accept comments during comment period
- Issue Scoping Summary Report

► Publish Draft GEIS

- Public meetings
- Accept comments during comment period

► Issue Final GEIS

- Will be issued after the rulemaking is finalized