



NRIC

National Reactor
Innovation Center

National Environmental Policy Act (NEPA) Approach

Part 1 – Projects in DOME test bed

Part 2 – Other Projects

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Understanding NEPA Requirements

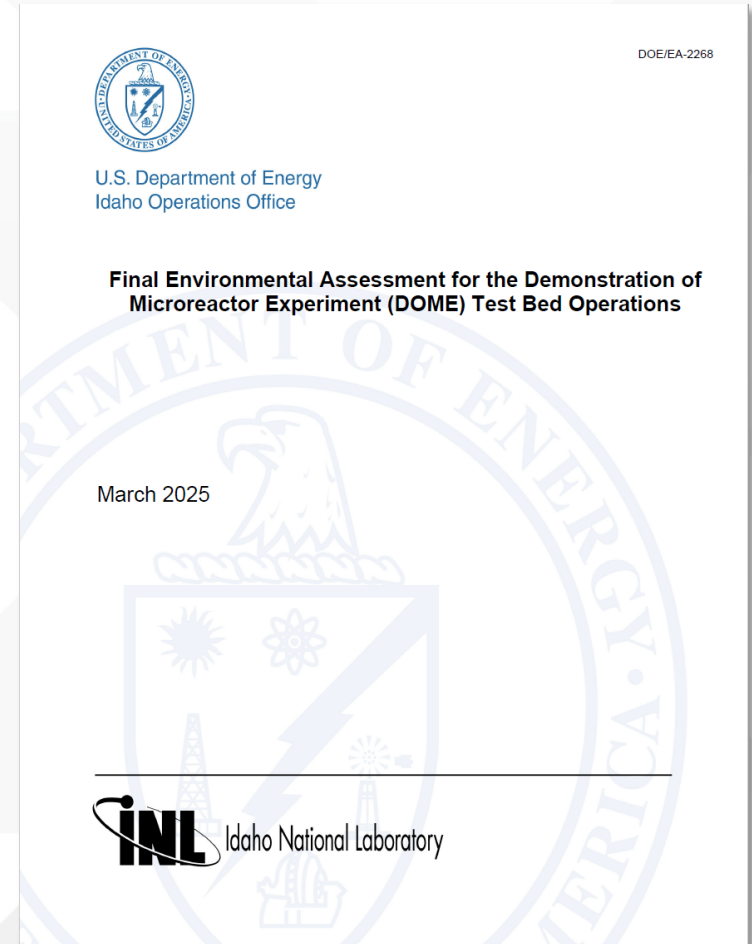
Background

- National Environmental Policy Act (NEPA) of 1969
- Purpose: Ensure federal agencies consider the environmental impact of their actions
 - Promote informed decision-making and transparency
- Types of NEPA Processes
 - Categorical Exclusions (CXs)
 - Environmental Assessments (EAs)
 - Environmental Impact Statements (EISs)

Introduction to DOME NEPA Process

Utilizing DOE/EA-2268 (Pending)

- Plant Parameter Envelope (PPE) (Can be shared in current form)
- Key Items:
 - TRISO fuel form
 - <20% fuel enrichment (HALEU and below)
 - Cat B Reactor



Developers Pursuing DOE/EA-2268 Coverage Process

Initial ERP
Workflow

- Project Information, Contacts, and Scope Submitted
- Basic Screening Questionnaire

INL SME Reviews

- Technical Subject Matter Experts Review Information
- INL NEPA Evaluation (Criteria Meets Parameters of FONSI)

DOE NEPA Review
/ Approval

- DOE NEPA Compliance Officer Review
- DOE Approval (Edits may be required)

ERP Workflow
Complete

- Work Can Begin



Process for Non-DOE/EA-2268 Projects (In or Outside of DOME)

- Projects proposed for DOME that are not bounded by DOE/EA-2268 may require a supplement analysis or a separate EA or EIS
- Projects outside of DOME would require separate NEPA review in either an EA or EIS
 - Planning and scoping
 - Data gathering and modeling
 - Draft NEPA Document reviews
 - Public review and comment
 - Final EA or EIS and Finding of No Significant Impact or Decision Notice



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