

#### **DOE-Idaho Requirements**

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#### Z Overview

- Roles of DOE-ID and NRIC
- Safety and Design Requirements
  - 10 CFR 830b
  - DOE-1189
  - DOE-1104
  - DOE Order 413.3b
- Siting
- This is based on current requirements. Per recent EOs, DOE is examining what can be streamlined or reduced
- Please be patient, work with NRIC



# **Z** Roles

- INL/BEA/NRIC
  - Design Authority
  - Document Format
  - Process Guide
- DOE-Idaho
  - Approval Authority
  - Issues Real Estate Agreements and Leases





#### Z Safety and Design Requirements

- The following may/may not apply:
  - 10 CFR 830 subpart b
  - DOE 1104
  - DOE 1189
  - DOE Order 413.3b
- NRIC will help guide you through the requirements



- 10 CFR 830b "Safety Basis Requirements"
  - Applies to Hazard Category 1, 2, and 3 Facilities (defined here)
  - Outlines developing the Safety Basis
    - Documented Safety Analyses (DSAs)
    - Technical Safety Requirements (TSRs)
    - Appendix A
      - Table 1 Requirements
      - Table 2 Definitions
      - Table 3 DOE Expectations
    - Hazard Controls (HCs)
    - Unreviewed Safety Questions (USQ)



- DOE STD 1104 "Review and Approval of Nuclear Facility Safety Basis and Safety Basis Design Documents"
  - Approval criteria
    - Safety Design Strategy (SDS)
    - Conceptual Safety Design Report (CSDR)
    - Preliminary Documented Safety Analysis (PDSA)
  - Safety Evaluation Reports (SERs)
  - Safety Review Letters



- DOE STD 1189 "Integration of Safety into the Design Process"
  - Safety-in-Design Process
  - Format and Content for:
    - Safety Design Strategy (SDS)
    - Conceptual Safety Design Report (CSDR)
    - Preliminary Documented Safety Analysis (PDSA)
  - "Major Modification"
    - Section 5.2.1
    - Repurposing



- DOE Order 413.3b "Program and Project Management for Acquisition of Capital Assets"
  - Change 7 (June 2023)
  - Materials ordering
  - Defines Project Management Principals
  - Critical Decision Requirements (CD 0-4)
  - Baseline Management



- DOE Standards and Orders
- "Shall", "Would", and "May"
  - Shall MUST
  - Would Best Practice (requires justification if not followed)
  - May Nice to have
- NRIC / DOE Roles
- Work with NRIC during design process



# Siting

- Process starts with industry partner coordination with NRIC
- Presently:
  - DOE cannot grant water rights industry partner must acquire own water rights and well
  - Per Idaho State Law, industry partner cannot sell electricity directly to INL/DOE
  - Work with BLM to help you procure transmission rights-of-way across the site
- Industry partner will work with NRIC and INL Land Use Program to identify site(s) and make recommendation to DOE-ID
- DOE-ID may provisionally accept site(s) for further suitability investigation and site surveys to support NEPA determinations



#### Siting (cont.)

- Mostly applicable to siting at INL with DOE Authorization
- •Other locations, operation and licensing strategies are NEW processes; work with us
- Patience is key



#### Z Review

- Roles
- Applicable Orders / DOE Standards
  - Safety
  - Design
  - Siting
- Language
- NRIC
- New environment / patience reminder





## Questions?

