U.S. ARMY

POWERING THE MISSION: NUCLEAR ENERGY AND REGULATORY PATHWAY

OASA (IE&E)

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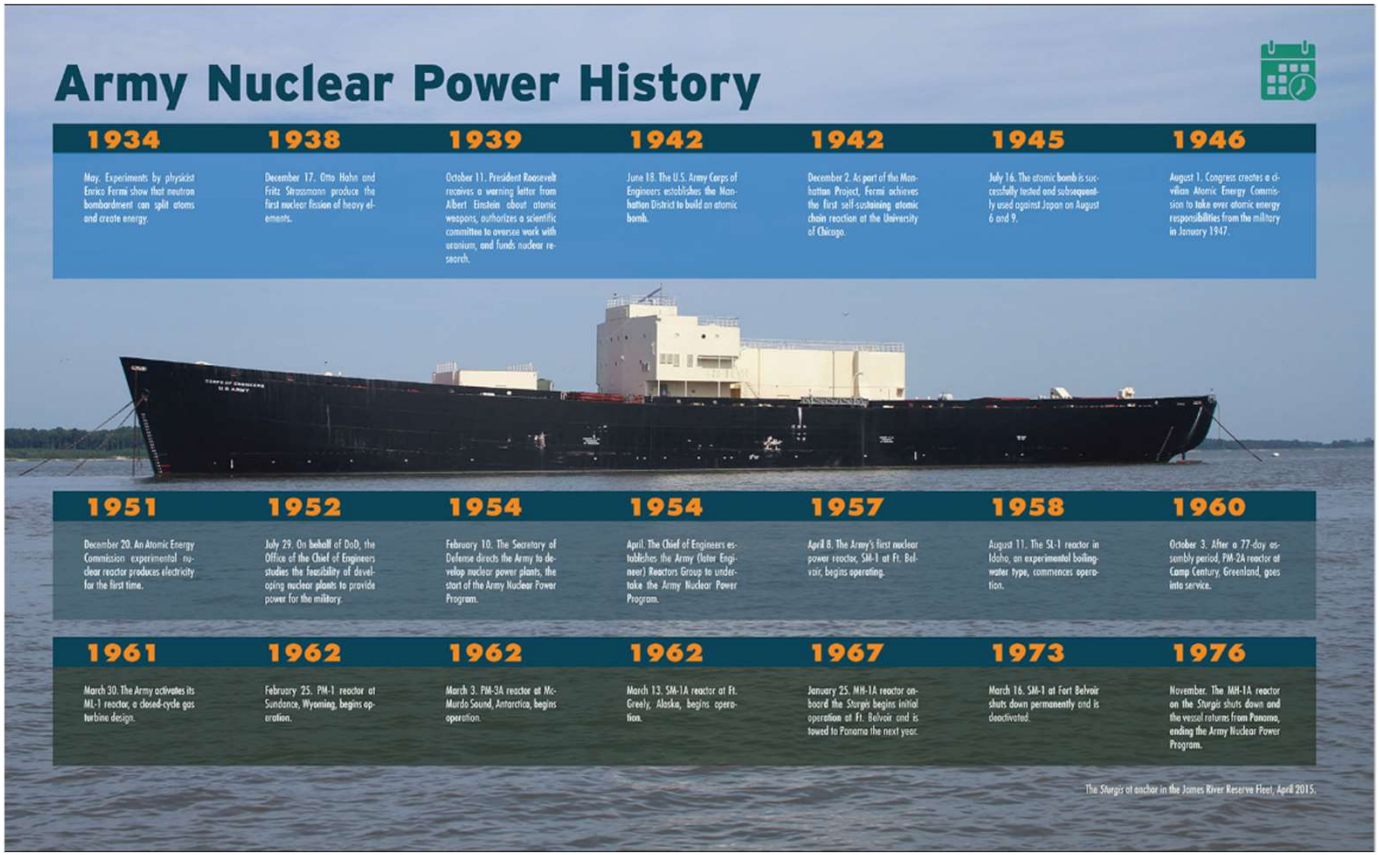
AGENDA

- Our History: Army Reactor Regulatory Office
- Federal Partnerships
- Army Regulatory Network and Our Approach
- Army Regulatory Activities in Support of Janus Program

OUR HISTORY

- We will use the Atomic Energy Act of 1954, Section 91b and Public Law 85-804 for indemnification
- Under these authorities we managed Government Owned and Operated Reactors (1954-1977)
  - Currently we are decommissioning the last 2 power plants
- (1977-Now), Permitting of a test reactor and providing regulatory oversight, and decommissioning permits
- Now- into the future; Permitting Installation microreactors, Contractor Owned and Contractor Operated (COCO), behind the meter power plants



JANUS PROGRAM: INSTALLATION NUCLEAR ENERGY

- Executive Order 14299 *Deploying Advanced Nuclear Reactor Technologies for National Security,* states that it is the policy of the United States to:
  - Ensure the rapid development, deployment, and use of advanced nuclear technologies to support national security objectives
  - Enable private sector investment, innovation, development, and use of advanced nuclear technologies in the United States
  - Coordinate regulatory efforts across the Department of Defense and the Department of Energy
- The Janus Program was created to meet the goals in EO 14299 by:
  - Building microreactor power plants (MPP), up to 20 MWe each, to operate critical installation missions, off the commercial gird, throughout their useful lives
  - Accelerating technology commercialization by sending clear demand signals to the nuclear industry and supply chain
- Army is targeting groundbreakings in FY28, and full operations in FY31.

FEDERAL PARTNERSHIPS

- DOE and National Labs
- NEO is a new office within the DASA(E&S) and is organized to implement the Janus Program and perform the duties of the Executive Agent to implement EO 14299.
- Army Reactor Regulatory Office (ARRO) is an existing office, now within the DASA (ESOH)
- ASA(IE&E) is closely coordinating with DOE to address nuclear fuel supply chain
- Coordinating with DOE and NRC on opportunities for regulatory harmonization

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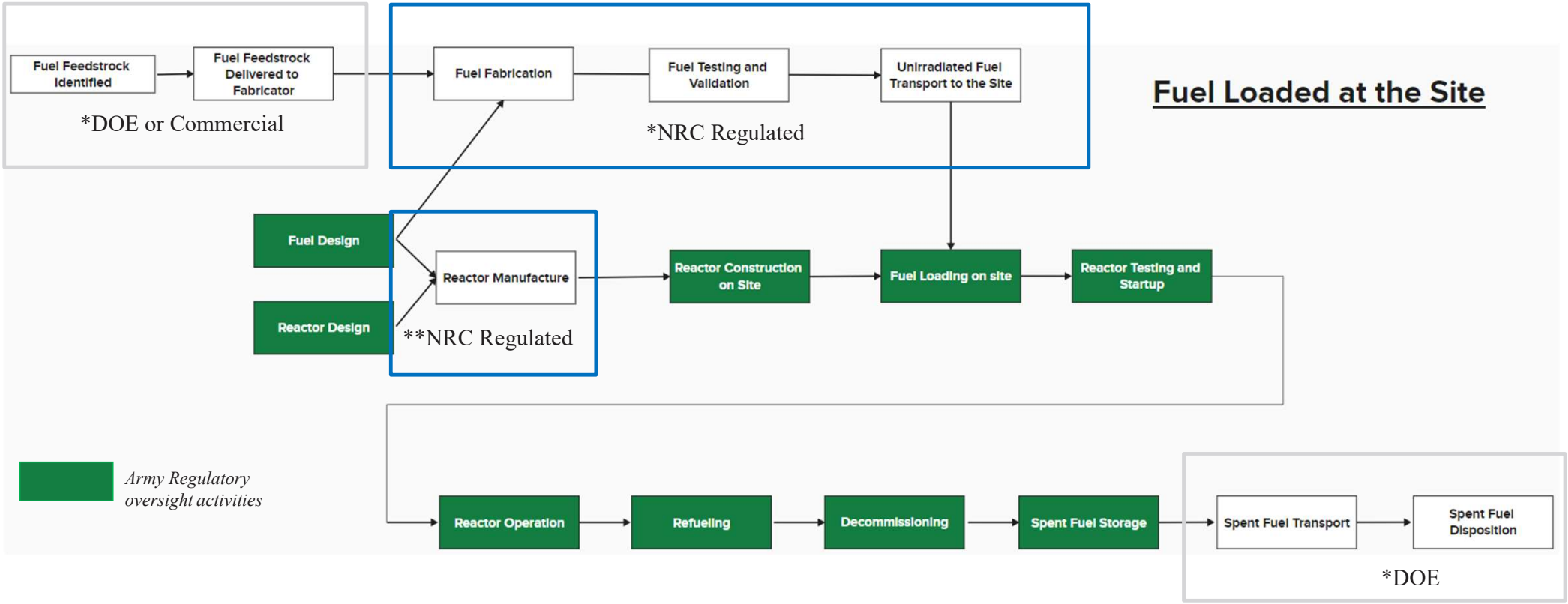
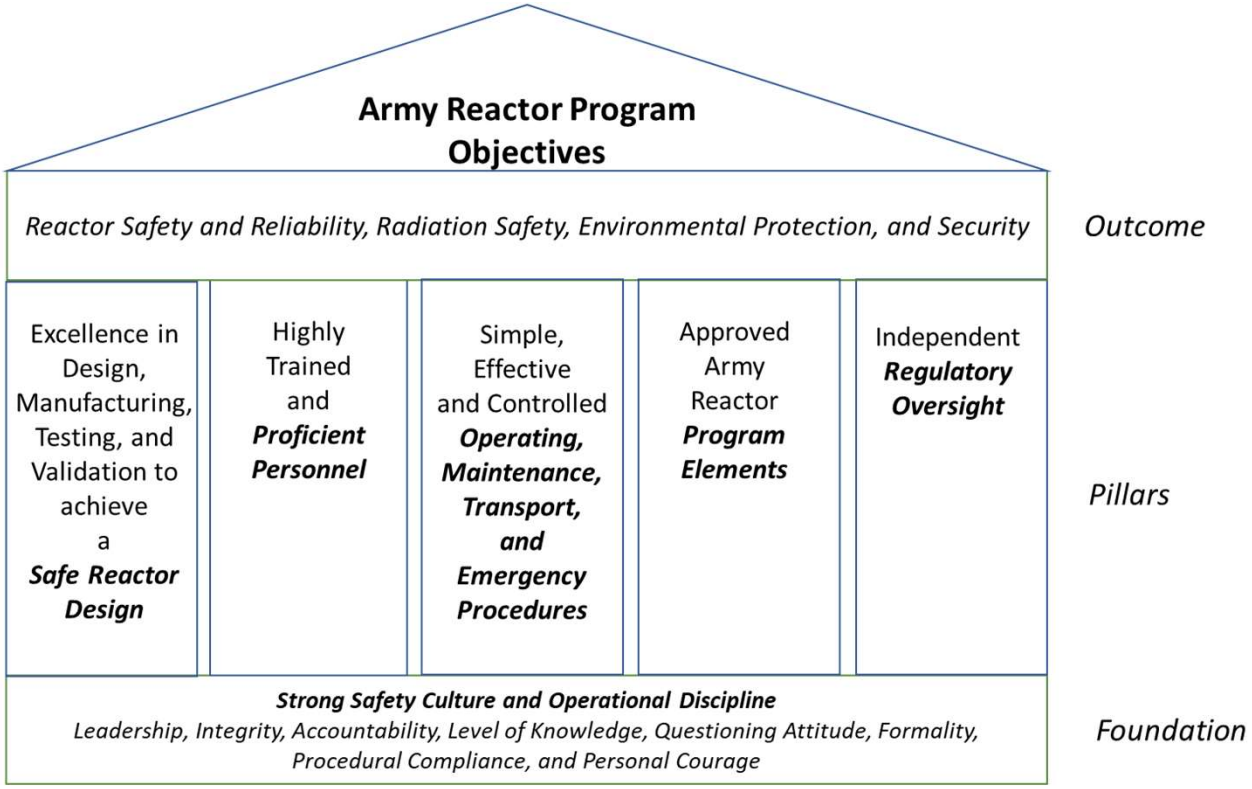
ARMY REGULATORY NETWORK – ALL-OF-GOVT



*Notional Responsibilities. Formal Roles and Responsibilities will be the subject of one or more MOUs between Federal Agencies.

**Army regulatory framework includes a Manufacturing Permit, but an Army Manufacturing Permit is not required if fuel is loaded at the base. The vendor may choose to obtain an NRC license for the Manufacturing Facility.

ARMY REGULATORY FRAMEWORK

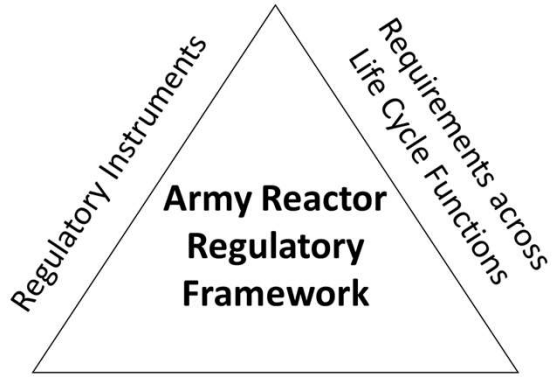


Authorities

Section 91b of the Atomic Energy Act (42 U.S.C. § 2121(b)), as implemented pursuant to the Presidential Directive of 23 September 1961.

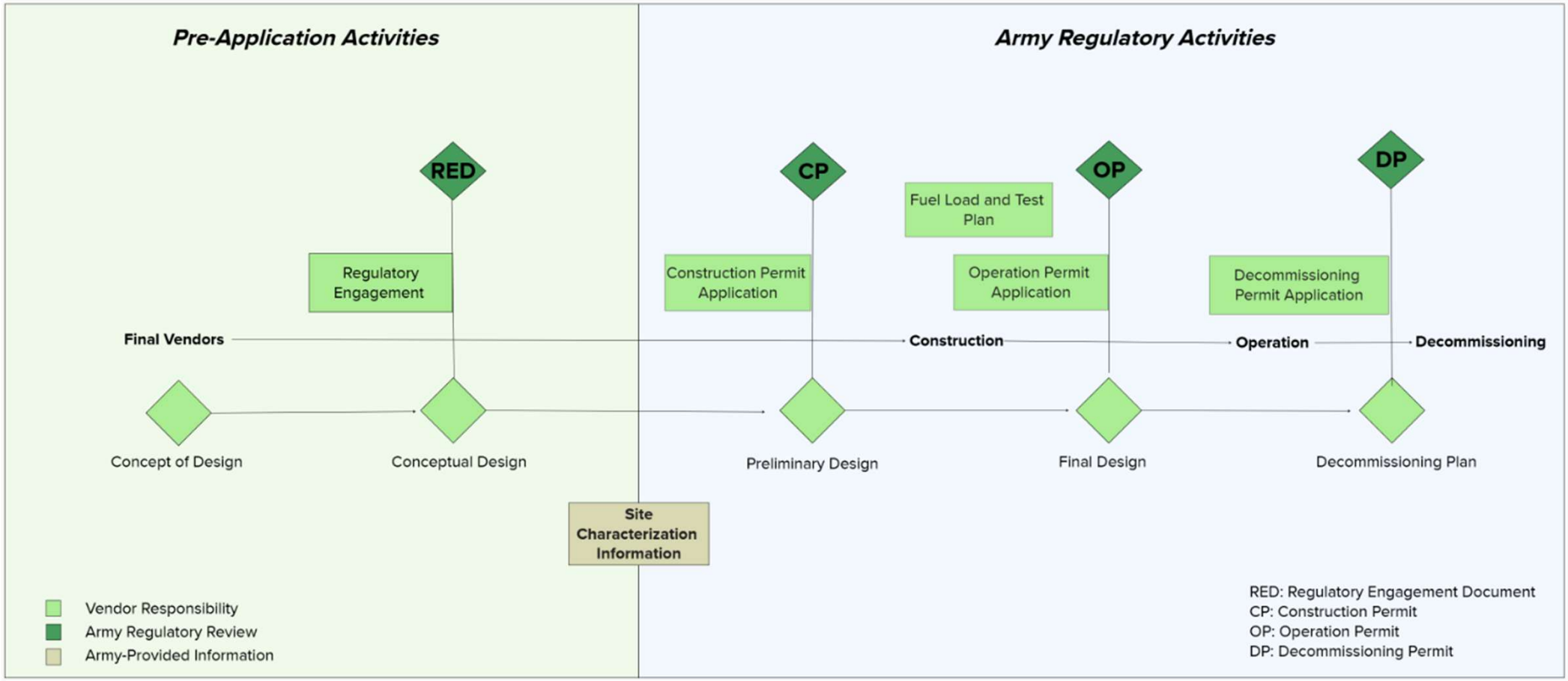
Policy

It is Army policy, when appropriate, to be consistent with federal guidelines, international safety and security standards, the National Council on Radiation Protection and Measurements guidance and recommendations, and consensus codes and standards.



Army Reactor Program Objectives

Army Regulatory Activities in support of Janus Program



QUESTIONS