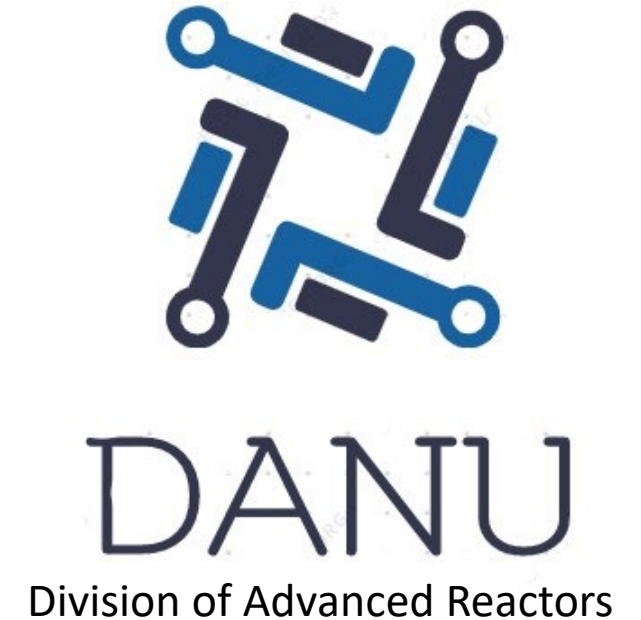




NRC Licensing Process Overview

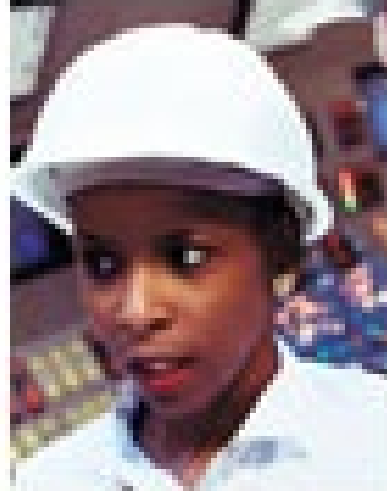
October 13, 2022



Protecting People and the Environment

Mission

The NRC licenses and regulates the Nation's civilian use of radioactive materials to provide reasonable assurance of adequate protection of public health and safety and to promote the common defense and security and to protect the environment.



Principle Legislation, Regulations, and Outcome

Environmental Review

- National Environmental Policy Act - NEPA (1969)
- 10 CFR Part 51
- Impacts **ON** the environment **FROM** licensed activities
- Impact-focused
- Disclosure document (CatEx, EA/FONSI, EIS/ROD)

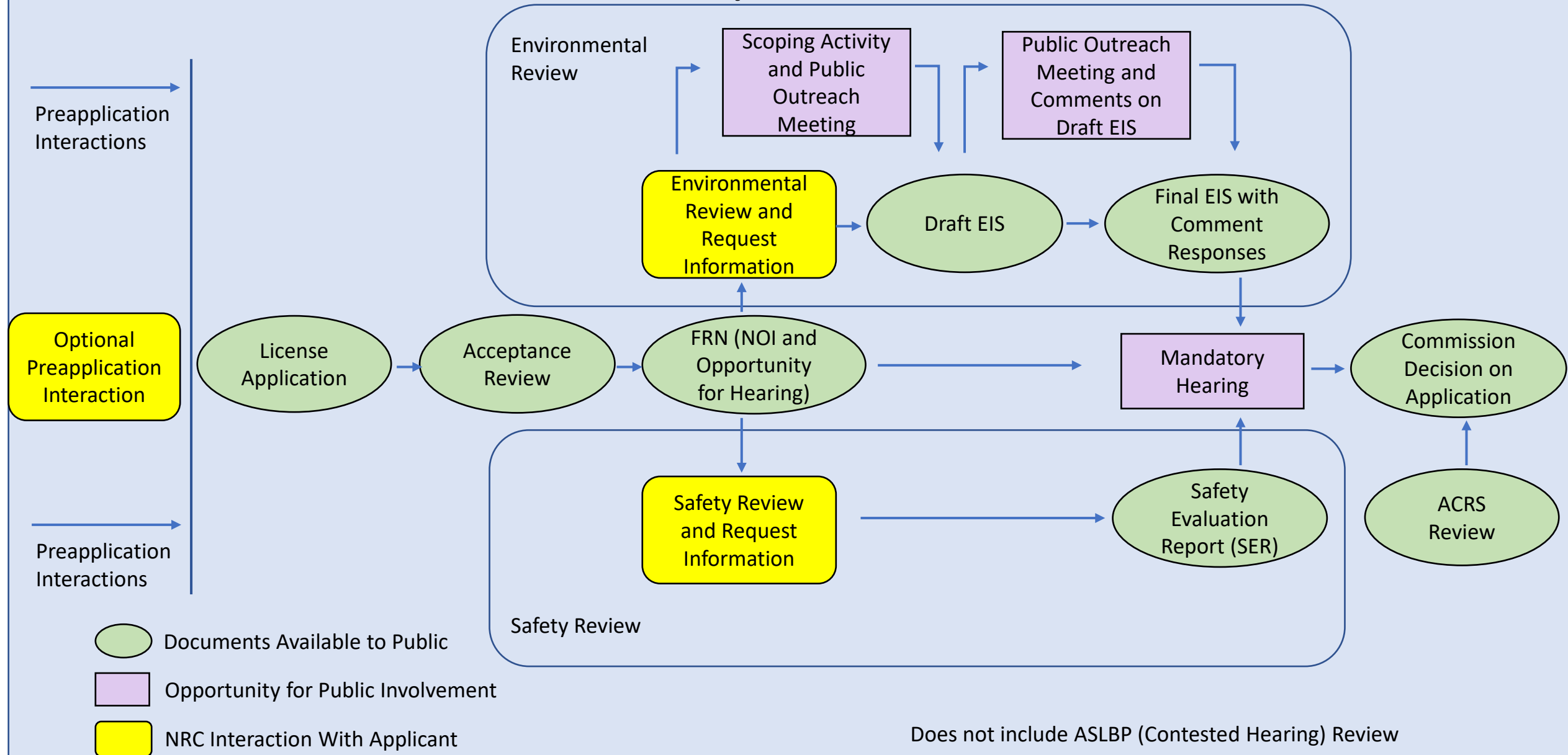
Safety Review

- Atomic Energy Act - AEA (1954)
- Energy Reorganization Act (1974)
- 10 CFR Parts 20, 40, 50, 52, 70
- Impacts **ON** the facility **FROM** the environment
- Risk Informed
- Reasonable assurance of adequate protection (SER)

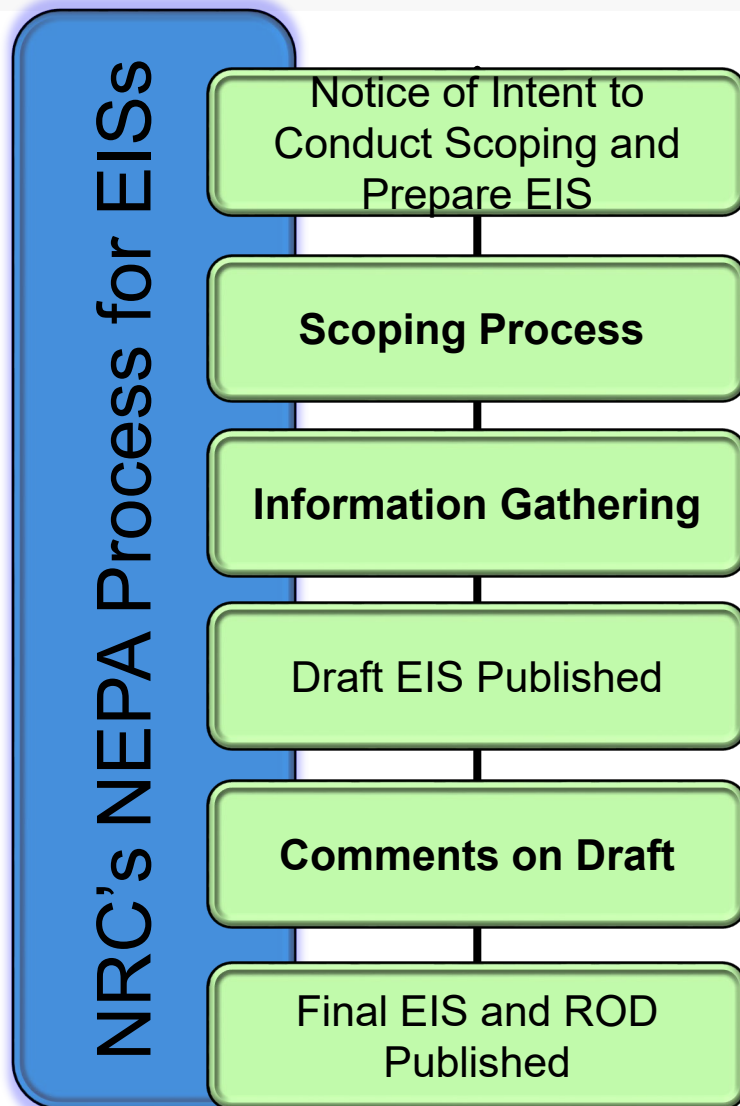
Other Important Statutes

- National Waste Policy Act of 1982
- Energy Policy Act of 2005
- Nuclear Energy Innovation and Modernization Act (2019)
- Title 41 of Fixing America's Surface Transportation Act (FAST-41)

Two Parallel Reviews – Safety & Environmental

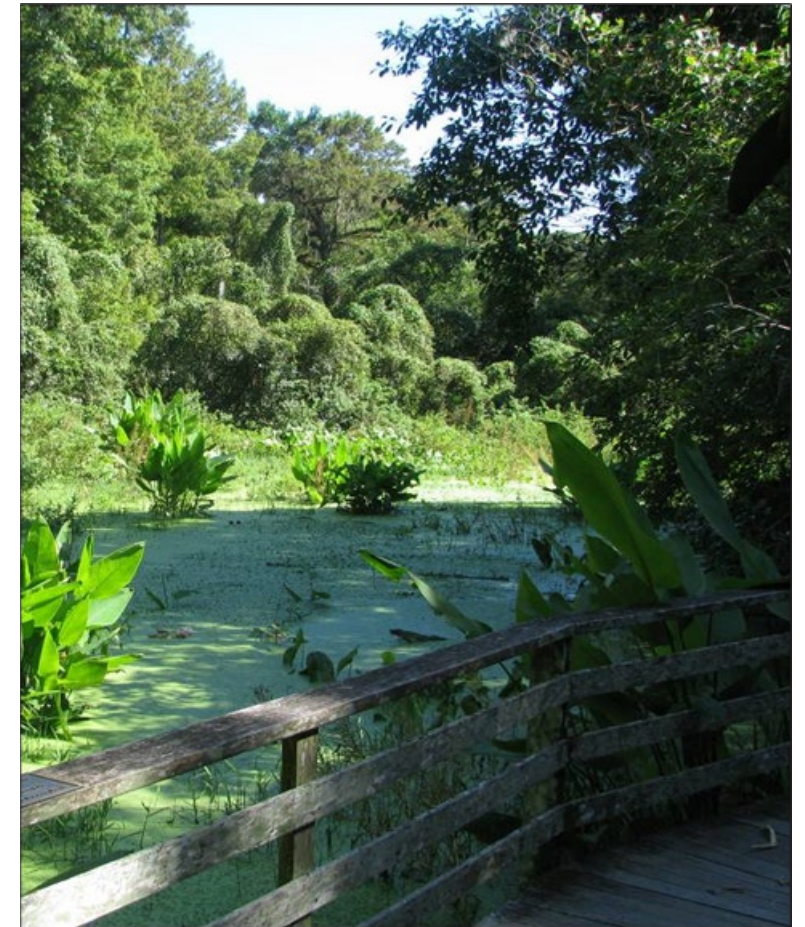
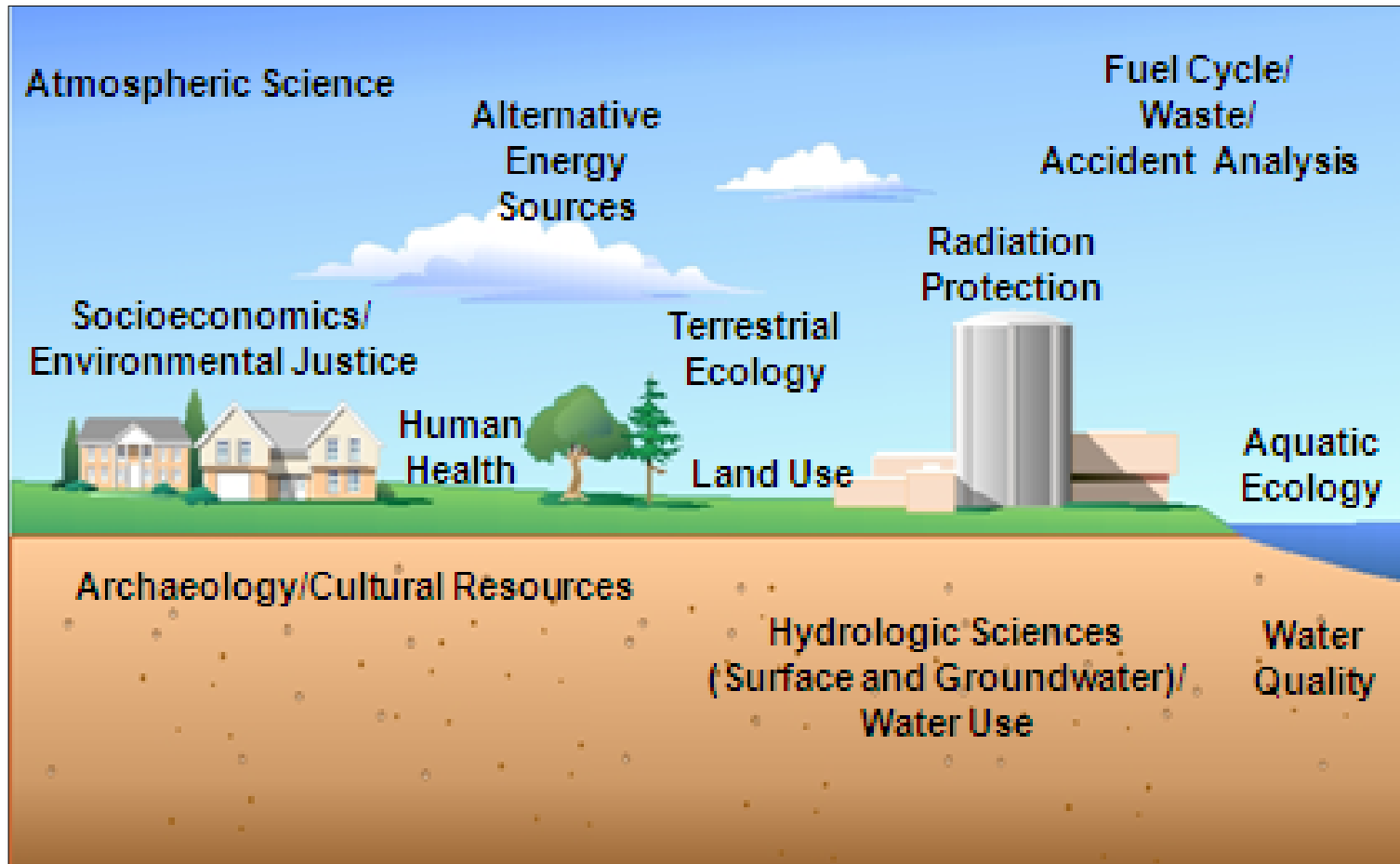


EIS Review Process



- Publish Federal Register notice
- **Public scoping period with advertised and facilitated meetings held in plant vicinity**
- **Staff performs review**
- Publish Federal Register notice
- **Public comment period on Draft EIS for 45 to 75 days with advertised and facilitated public meetings held in plant vicinity**
- Staff responds to comments and publishes Federal Register notice

Resource Areas Addressed in NRC's NEPA Reviews



Analyst will describe the “affected environment” (baseline conditions) for each resource area and then describe the consequences of the action (impact level) and compare those to the reasonable alternatives.

Analyst will also describe “cumulative impacts” from any known past, present, or reasonably foreseeable future actions.

Coordination with Federal, State, local, and Tribal Government Agencies



NATHPO
National Association
of Tribal Historic
Preservation Officers





Contact Information

- www.nrc.gov
- [New Reactors](#)
- Ben Beasley, Senior Project Manager, Advanced Reactor Licensing Branch 1
Email: benjamin.beasley@nrc.gov
- Ken Erwin, Branch Chief, Environmental Review New Reactors Branch
Email: kenneth.erwin@nrc.gov

Acronym Key

- Categorical Exclusion (CatEx)
- Environmental Assessment (EA)
- Finding of No Significant Impact (FONSI)
- Environmental Impact Statement (EIS)
- Record of Decision (ROD)
- Safety Evaluation Report (SER)
- Atomic Safety and Licensing Board Panel (ASLBP)
- Advisory Committee on Reactor Safeguards (ACRS)