

Reactor Licensing Processes and Requirements



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New Reactor Section

Office of Nuclear Reactor Regulation

Strategic Goal: Openness

- Provide accurate and timely information to the public about the uses and risks associated with radioactive materials
- Fair and timely process to allow public involvement in NRC decision-making
- Early public involvement on issues likely to generate substantial interest

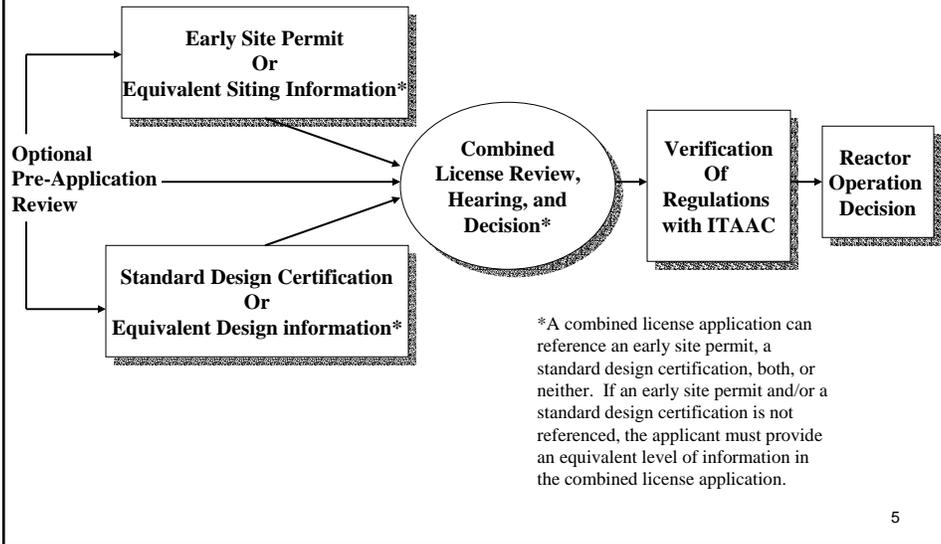
Licensing Processes

- 10 CFR 50
 - Used to license current generation of power plants
 - Can be applied to future licenses if desired
- 10 CFR 52
 - Reflects lessons learned from experience licensing current plants

10 CFR Part 50 Licensing Process

- **Construction Permit**
 - Preliminary Design
 - Site Characteristics
 - Environmental
- **Operating License**
 - Final Design
 - Operational Programs
 - Emergency Preparedness

10 CFR 52 Licensing Process



Technical Requirements

- Regulations
- Regulatory guidance
- Alternatives can be proposed by applicant

Inspections

- Construction inspection verifies the facility is built as described and reviewed
- Resident inspectors monitor operation

Other Topics

- Fees - full cost recovery of staff review and inspection, and contract support
- 10 CFR 50.57 – agency required to determine that the applicant is technically and financially qualified
- Planning information