

**U.S. NRC**

UNITED STATES NUCLEAR REGULATORY COMMISSION

*Protecting People and the Environment*

Public Outreach Meeting  
Comanche Peak Nuclear Power  
Plant, Units 3 and 4  
Combined License Application

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Division of New Reactor Licensing



## Purpose of this meeting

- Discuss the potential combined license application for two new nuclear plants at the Comanche Peak Nuclear Power Plant
- Explain what the NRC does during the review of a combined license application
- Describe how you can participate in the NRC review process

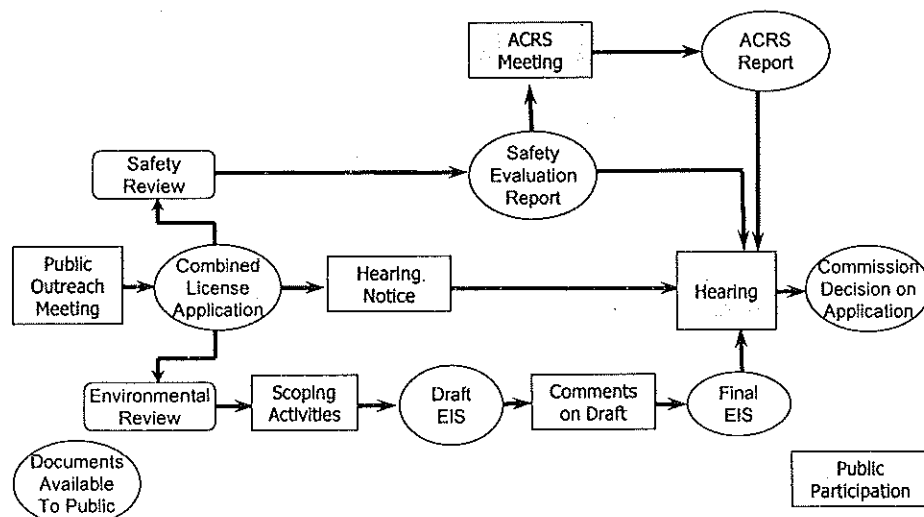


# Nuclear Regulatory Commission

- Mission: Protect the public health and safety, promote the common defense and security, and protect the environment
- Independent Agency
- Over 30 years experience regulating operating reactors and other civilian uses of nuclear materials



## Combined License Application Review Process





## Combined License Application Review and Construction Inspection

- Stephen Monarque, Project Manager
  - Overall Combined License Application Review
- Michael Willingham, Project Manager
  - Environmental Review
- Michael Webb, Reactor Operations Engineer
  - Construction Inspection

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## Safety Review

- Ensure facility will be constructed and operated safely by reviewing:
  - Design of facility
  - Quality Assurance
  - Security Plan
  - Emergency Preparedness (with the Federal Emergency Management Agency)
  - Operator Training
  - Applicant's process to verify that the nuclear plants will be built as designed and operated in accordance with NRC regulations
- Clearly document our safety findings
- Maintain an open and transparent process

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## Comanche Peak Combined License Application

- Comanche Peak Combined License Application will reference the Mitsubishi Heavy Industries design - the U.S. Advanced Pressurized Water Reactor (US-APWR)
  - NRC staff is currently reviewing the US-APWR
- NRC will not issue Combined License before the US-APWR design is certified



## Opportunities for Public Participation

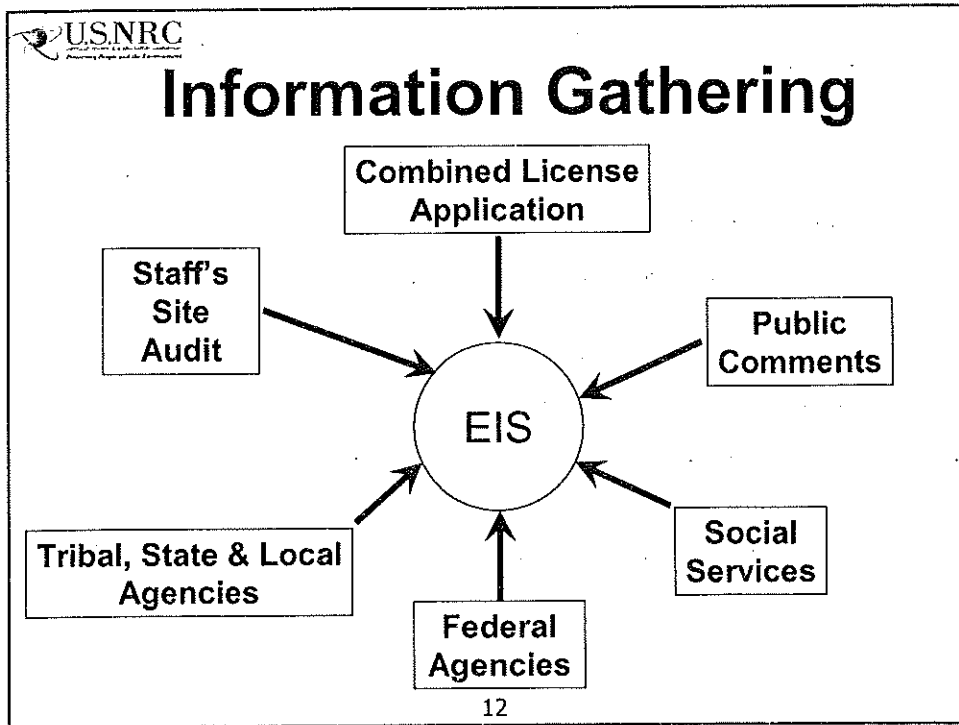
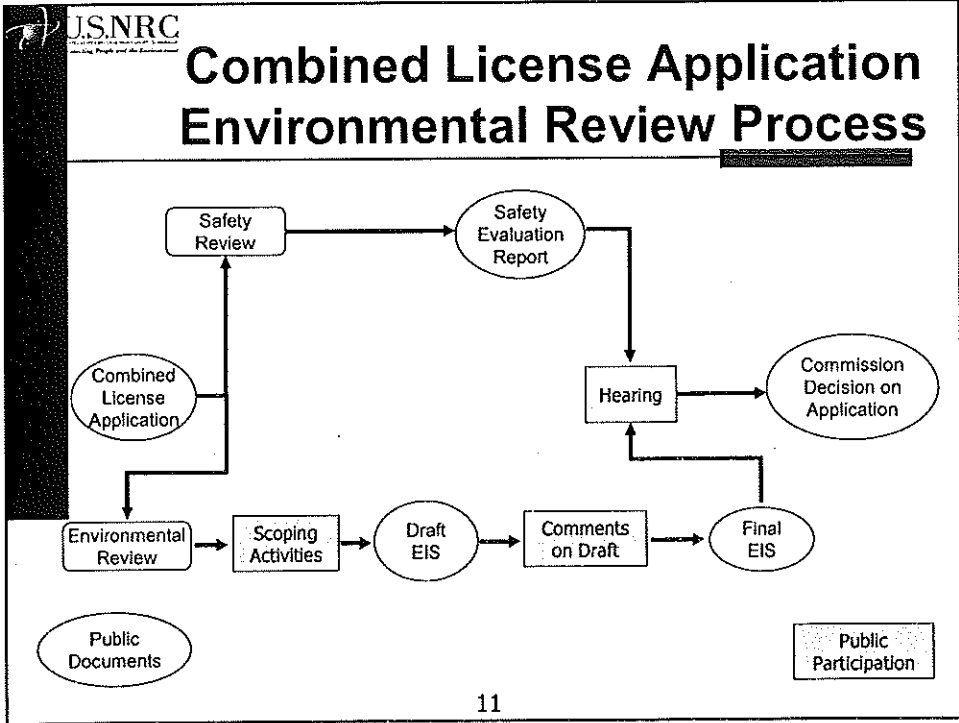
- NRC processes and how to participate
- Information available to the public at [www.nrc.gov](http://www.nrc.gov)
- Meetings between the NRC and the applicant
- Comment on environmental review
- Participate in Advisory Committee on Reactor Safeguards meetings
- Participate in the hearing process

## The Hearing Process

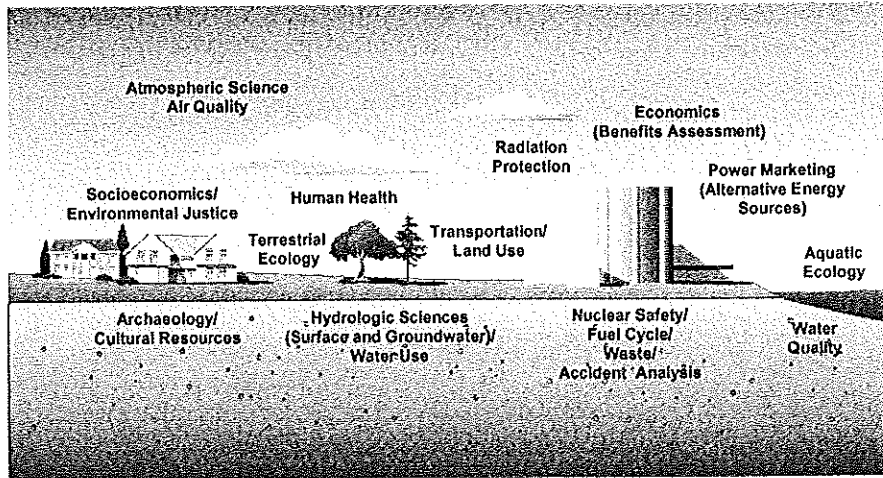
- NRC issues a Notice of Hearing in the *Federal Register*, which offers an opportunity for the public to participate in the hearing as a party (called "intervention")
- *Federal Register* notice describes how to file petition using e-filing system ([www.nrc.gov/site-help/e-submittals.html](http://www.nrc.gov/site-help/e-submittals.html))
- A request (petition) to intervene must:
  - be filed within 60 days of the date of the Notice
  - must state petitioner's interest that may be affected - at least one acceptable dispute with the application
- Three judges (Atomic Safety and Licensing Board (ASLB)) decide whether to grant intervention and conduct hearing
- A person who did not seek to intervene or was not granted intervention may make a statement to the Board, although this statement is not evidence in the hearing
- Regulations governing intervention are in 10 C.F.R. 2.309

## National Environmental Policy Act (NEPA)

- NEPA requires Federal agencies to use a systematic approach to consider environmental impacts
- An Environmental Impact Statement (EIS) is required for major Federal actions that may significantly affect the quality of the human environment
- Granting a combined license is considered a major Federal action

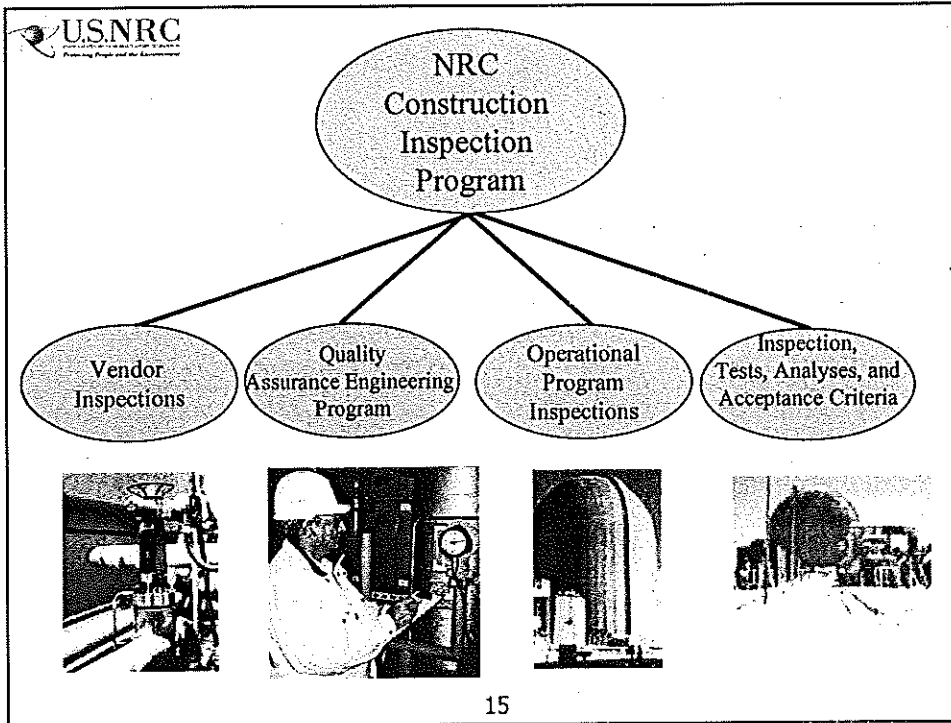


## Environmental Review Areas



## If the License is issued....

- The NRC will authorize the licensee to start construction of a nuclear power plant, to load fuel, and (eventually) to operate the completed plant, if specified conditions are met.
- NRC staff will inspect nuclear safety-related construction activities.
- NRC will verify that, prior to operation, the plant is built as designed.



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## ITAAC

- ITAAC: Inspections, Tests, Analyses, and Acceptance Criteria.
- ITAAC are the means by which the licensee demonstrates, and the NRC confirms, that the plant was built properly.
- Prior to plant operation all acceptance criteria must be met.
- Provides an opportunity for separate hearing based on whether acceptance criteria are met.

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## NRC CONTACTS

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