



License Renewal Process Public Information Session D.C. Cook Nuclear Plant

Nuclear Regulatory Commission
November 20, 2003



Purpose of Today's Meeting

- Describe the NRC's license renewal process
- Describe the safety review process
- Explain the public participation process
- Describe how to get additional information



NRC Regulations

- Atomic Energy Act of 1954
- Title 10 of the Code of Federal Regulations Part 54



D.C. Cook Nuclear Plant Units 1 and 2 License Renewal

- Application dated October 31, 2003
- Current operating licenses expire
 - Unit 1 – October 25, 2014
 - Unit 2 – December 23, 2017
- Application requests authorization to operate units for an additional 20 years

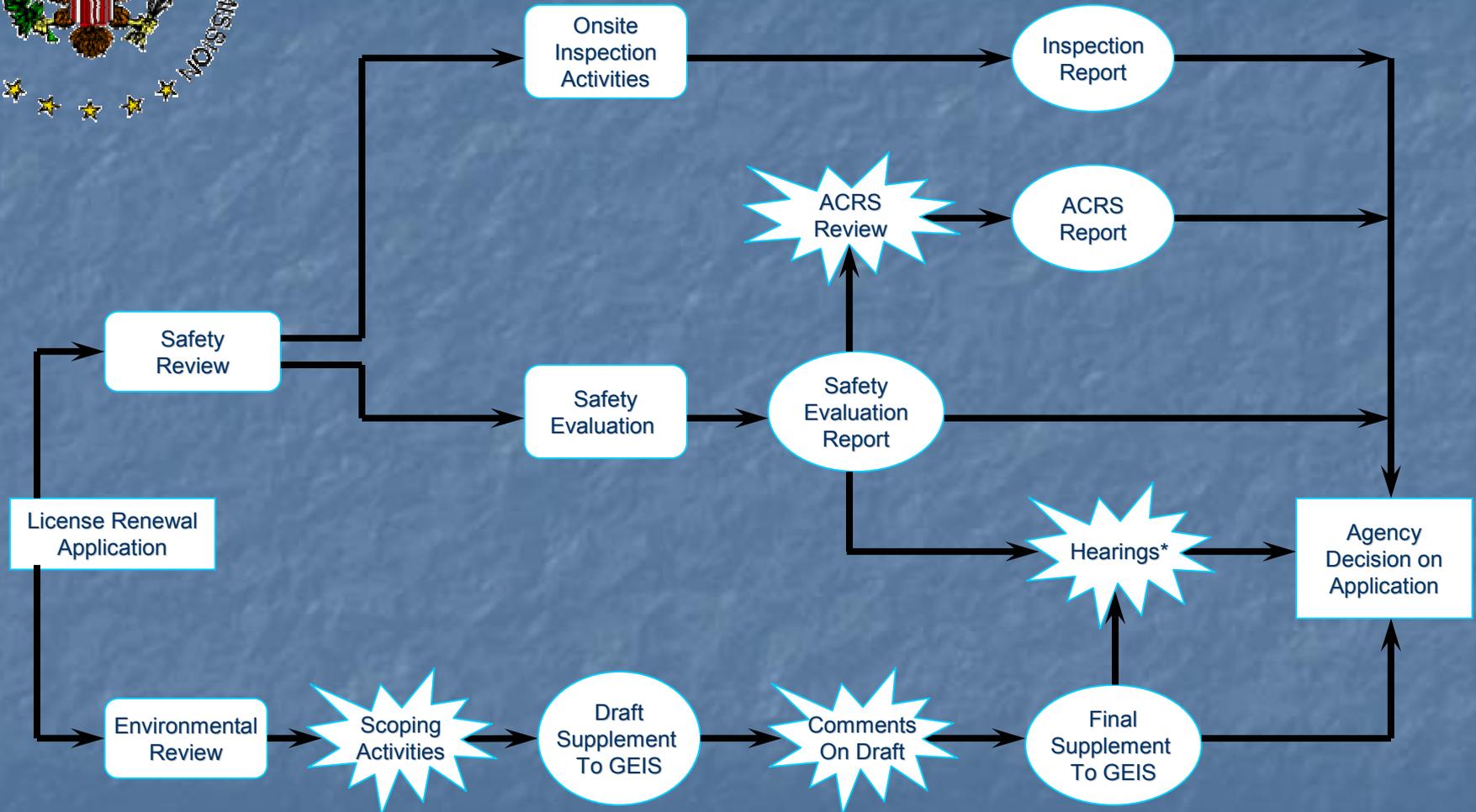


NRC's License Renewal Review

- Safety Review
- Environmental Review
- Plant Inspections
- Advisory Committee on Reactor Safeguards (ACRS)



License Renewal Process



 Formal Public Participation

*If a request for hearing is granted



Principles of License Renewal

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- Regulatory process is adequate for ensuring safety of operating plants
 - Current licensing basis is adequate and carries forward into period of extended operation



Generic Aging Lessons Learned (GALL)

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- Generic Aging Lessons Learned (NUREG-1801)
 - Report developed from a systematic compilation of plant aging management information
 - Information gathered from NRC studies and industry experience



Ten GALL Attributes

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- SCOPE
 - PREVENTIVE ACTION
 - PARAMETERS MONITORED/
INSPECTED
 - AGING EFFECT
 - MONITORING AND
TRENDING
 - ACCEPTANCE
CRITERIA
 - CORRECTIVE ACTIONS
 - CONFIRMATION
PROCESS
 - ADMIN CONTROLS
 - OPERATING
EXPERIENCE



Safety Review Process

- Detailed Technical Evaluation
 - Aging Management Review
 - Audit Programs
- On-Site Plant Inspections
 - Scoping and Screening Inspection
 - Aging Management Program Inspection



Detailed Technical Evaluation

- Focuses on Passive, Long-Lived Systems, Structures, and Components
- Evaluates effectiveness of aging management programs
- Analyzes Time-Limited Aging Effects



Scope of License Renewal Rule

- Safety related systems, structures, and components relied upon to:
 - Maintain integrity of the reactor coolant pressure boundary
 - Ensure capability to shut down and maintain a safe shutdown condition
 - Prevent or mitigate offsite exposures



Scope of License Renewal Rule (Cont'd)

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- Non-safety related systems, structures, and components whose failure could prevent satisfactory accomplishment of safety related functions, as outlined above.
 - Systems, structures, and components relied upon for compliance with the following regulations: Fire protection, Environmental qualification, Pressurized thermal shock, Anticipated transients without scram, and Station Blackout



Safety Evaluation Report

- Documents the basis and conclusions of the staff's Safety Review
- ACRS provides independent review of the Safety Evaluation Report



Opportunities for Public Participation

- 30-Day Opportunity for Hearing
- Environmental Scoping Public Meeting
- Draft Environmental Impact Statement Public Meeting
- ACRS Meetings
- Public Meetings on Safety Review



Point of Contact

- Agency point of contact:
Johnny Eads
1-800-397-4209
- Documents are located at the Bridgman Public Library in Bridgman, Michigan and in the Palenske Memorial Library in St. Joseph, Michigan
- Documents can also be viewed at the NRC's Web site (www.nrc.gov)



