



License Renewal Process Public Information Session

Brunswick Steam Electric Plant (BSEP)

Nuclear Regulatory Commission

November 4, 2004



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



Brunswick (BSEP) Units 1 and 2 License Renewal

- Current operating licenses expire
 - Unit 1 – September 8, 2016
 - Unit 2 – December 27, 2014
- Application dated October 18, 2004
- Application requests authorization to operate units for an additional 20 years

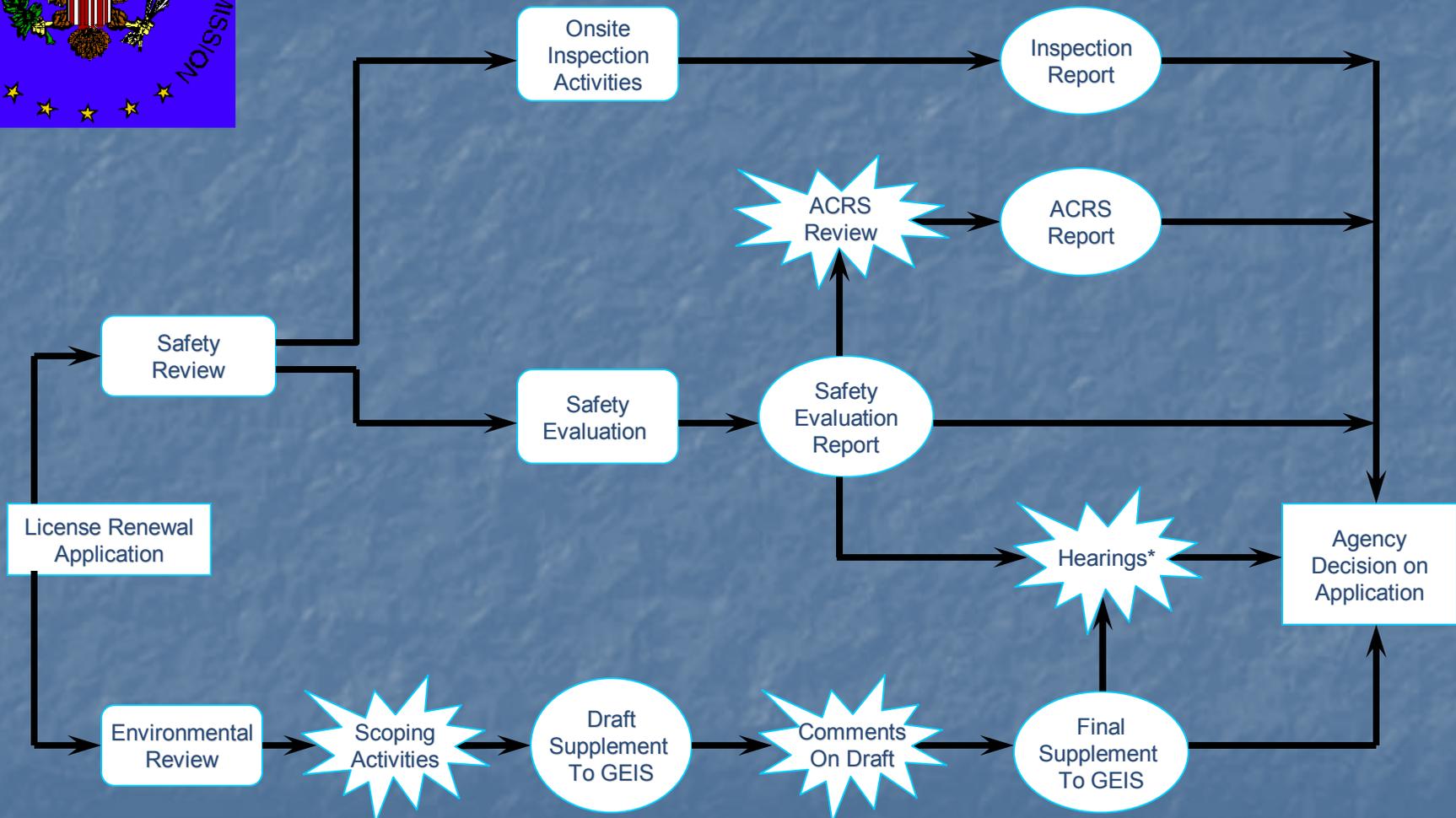


NRC's License Renewal Review

- 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



Safety Review Process

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



Technical Evaluation

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



Scope of License Renewal Rule

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- 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



Guidance Documents

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- Standard Review Plan for Review of License Renewal Applications for Nuclear Power Plants (NUREG-1800)
 - Generic Aging Lessons Learned Report, GALL (NUREG-1801)
 - Regulatory Guide 1.188, Standard Format and Content for Applications to Renew Nuclear Power Plant Operating Licenses



Ten Attributes for Acceptable Aging Management Programs

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



Opportunities for Public Participation

- 60-day opportunity to request a hearing
- Environmental Scoping Public Meeting
- Draft Environmental Impact Statement Public Meeting
- ACRS Meetings
- Public Meetings on Safety Review



Typical Review Schedule

- Receive License Renewal Application Month 0
- Conduct Public Information Session Month 1
- Publish Notice of Opportunity for Hearing Month 2
- Conduct Environmental Scoping Meeting Month 4
- Conduct Draft SEIS Public Meeting Month 12.5
- Complete ACRS Review Month 20.5
- Make Decision on Application (with Hearing) Month 30



Point of Contact

- Agency point of contact:
Sikhindra Mitra
1-800-397-4209
- Documents are located in the William Randall Library, UNC at Wilmington, 601 South College Road, North Carolina
- Documents can also be viewed at the NRC's Web site (www.nrc.gov)

