



Seabrook License Renewal Process Overview

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Division of License Renewal



NRC Regulatory Oversight

- NRC's Primary Governing Statutes
 - Atomic Energy Act
 - Energy Reorganization Act
 - National Environmental Policy Act (NEPA)
- NRC's Mission
 - Protect public health and safety
 - Promote the common defense and security
 - Protect the environment



Seabrook Station License Renewal

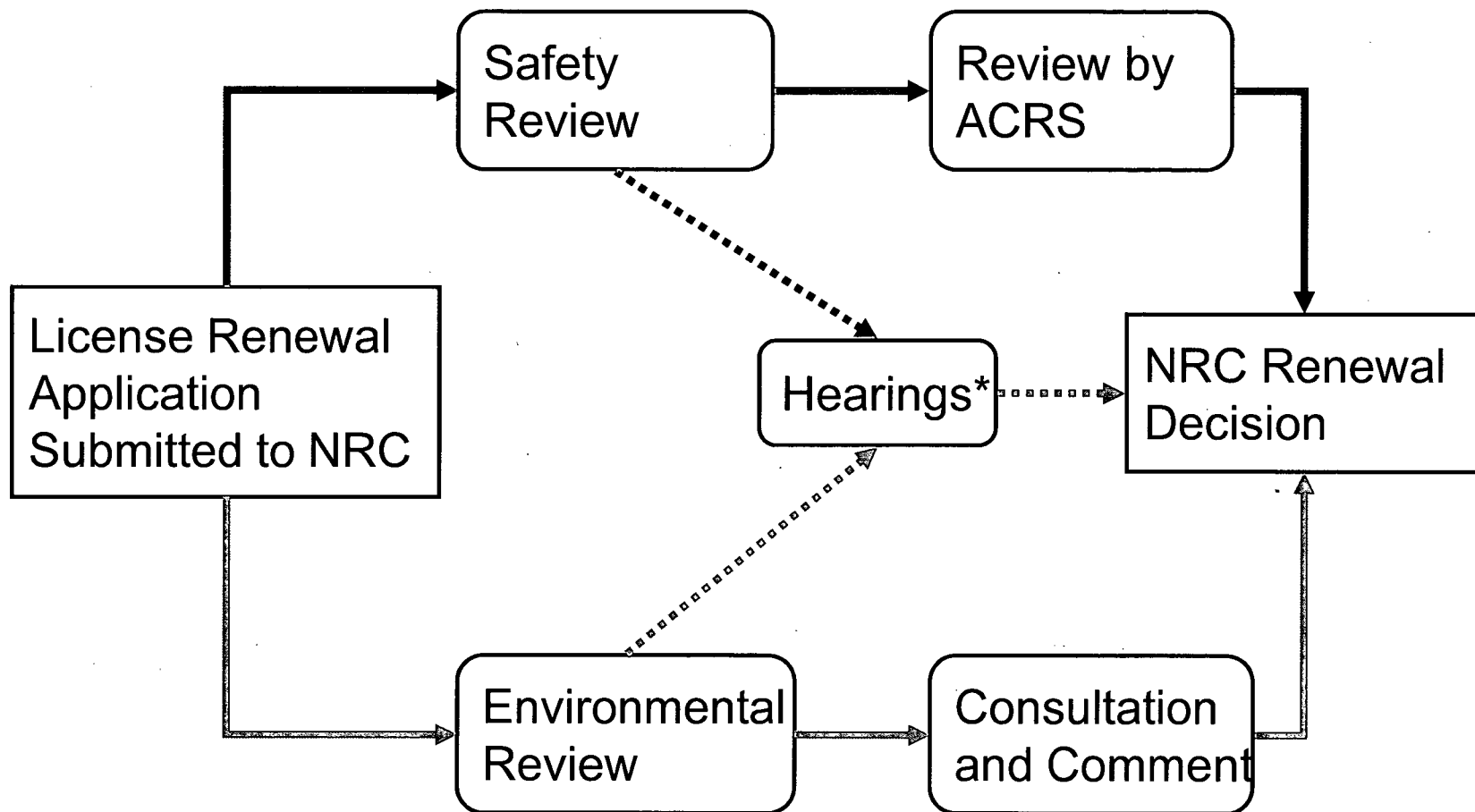
- Current operating license expires on 3/15/2030 (40 years of operation)
- Seabrook plans to submit its renewal application 5/28/2010
- If the NRC decides to renew the license, it would expire in 2050



Application Contents

- General information about the plant owner or operator
- Technical information about plant structures and components and how the applicant proposes to manage aging
- Changes to plant technical specifications
- Environmental report documenting the effects of extending the license by 20 years

License Renewal Process



* If a Request for Hearing is Granted



Safety Review

(10 CFR Part 54)

- Focus is on the effects of component aging and structures important to plant safety
- Staff review is to determine that aging effects will be effectively managed
 - Review application and supporting documentation
 - On-site audits
- On-site inspections by NRC Region I
- Issue Safety Evaluation Report
- Independent review by the Advisory Committee on Reactor Safeguards (ACRS)



Environmental Review (10 CFR Part 51)

- Focus is on environmental impacts of continued plant operation for an additional 20 years
- Staff review is to determine if the environmental impacts of license renewal are so great that license renewal would be unreasonable
- Staff prepares an Environmental Impact Statement
- **Public input drives consideration of environmental issues**



Environmental Impact Statement

- Staff evaluates impacts to resources
 - Fish and Wildlife
 - Water and Air Resources
 - Historical and Cultural Resources
 - Socioeconomic (taxes, community development, environmental justice)
 - Human Health
 - Land Use
- Significant coordination with State agencies, Federal agencies, and the public





License Renewal Safety Principles

- The ongoing regulatory process is adequate to ensure the safety of all currently operating plants
- The same plant operating rules apply during the renewal term
 - NRC applies additional conditions for aging management



Ongoing Regulatory Oversight

- Emergency Planning
 - 10 CFR 50.47
- Security
 - 10 CFR Part 73
- Current Safety Performance
 - Reactor Oversight Process



Critical Milestones

- Acceptance Review
- Public Meeting – Scoping & Process Overview
- Safety & Environmental Site Audits
- Draft Environmental Impact Statement (EIS)
- Public Meeting – Comments on Draft EIS
- Independent review by ACRS
- Final EIS
- Safety Evaluation Report
- NRC Renewal Decision



Opportunities for Public Involvement

- Opportunity for hearing*
- Environmental scoping input*
 - Public meeting
- Draft EIS input*
 - Public meeting
- Independent review by ACRS*
- Other meetings (as required) to support the NRC staff's application review

**Federal Register Notice and Press Release*



Final Agency Decision

- Commission considers:
 - Results of the safety review
 - Environmental impact statement
 - NRC inspection findings and conclusions
 - Recommendations from the Advisory Committee for Reactor Safeguards
 - Outcome of the hearing process
- Typical License Renewal Review
 - 22 months without a hearing
 - 30 months if a hearing is conducted



Document Locations

- Seabrook, NH Public Library
- Amesbury, MA Public Library
- <http://www.nrc.gov/reactors/operating/licensing/renewal/applications.html>



Points of Contact

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