



USNRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Shearon Harris Nuclear Power Plant License Renewal Process and Environmental Scoping Meeting

April 18, 2007



Purpose of Today's Meeting

- Provide an overview of NRC and the license renewal process
- Provide an overview of the **Safety** and **Environmental** reviews
- Provide review schedule
- Receive public input on environmental review
 - Describe how to submit comments
 - Accept comments today



NRC Regulatory Oversight

➤ NRC's Governing Statutes

- Atomic Energy Act
- National Environmental Policy Act (NEPA)

➤ NRC's Mission

- Protect Public Health and Safety
- Promote Common Defense and Security
- Protect Environment



Shearon Harris Nuclear Power Plant

- Current operating license expires on October 24, 2026
- License Renewal Application submitted on November 14, 2006
 - Application requests authorization to operate the plant for an additional 20 years
- License Renewal Application located at:
 - Eva H. Perry Library, 2100 Shepherd's Vineyard Drive, Apex, NC 27502
 - West Regional Library, 4000 Louis Stephens Rd, Cary, NC 27519



License Renewal Principles

➤ Two Guiding Principles

- The regulatory process is adequate to ensure the safety of all currently operating plants.
- Plant-specific licensing basis must be maintained during the renewal term in the same manner and to the same extent as during the original licensing term.

➤ License Renewal Safety Review

- The effects of aging during extended period are given special attention.

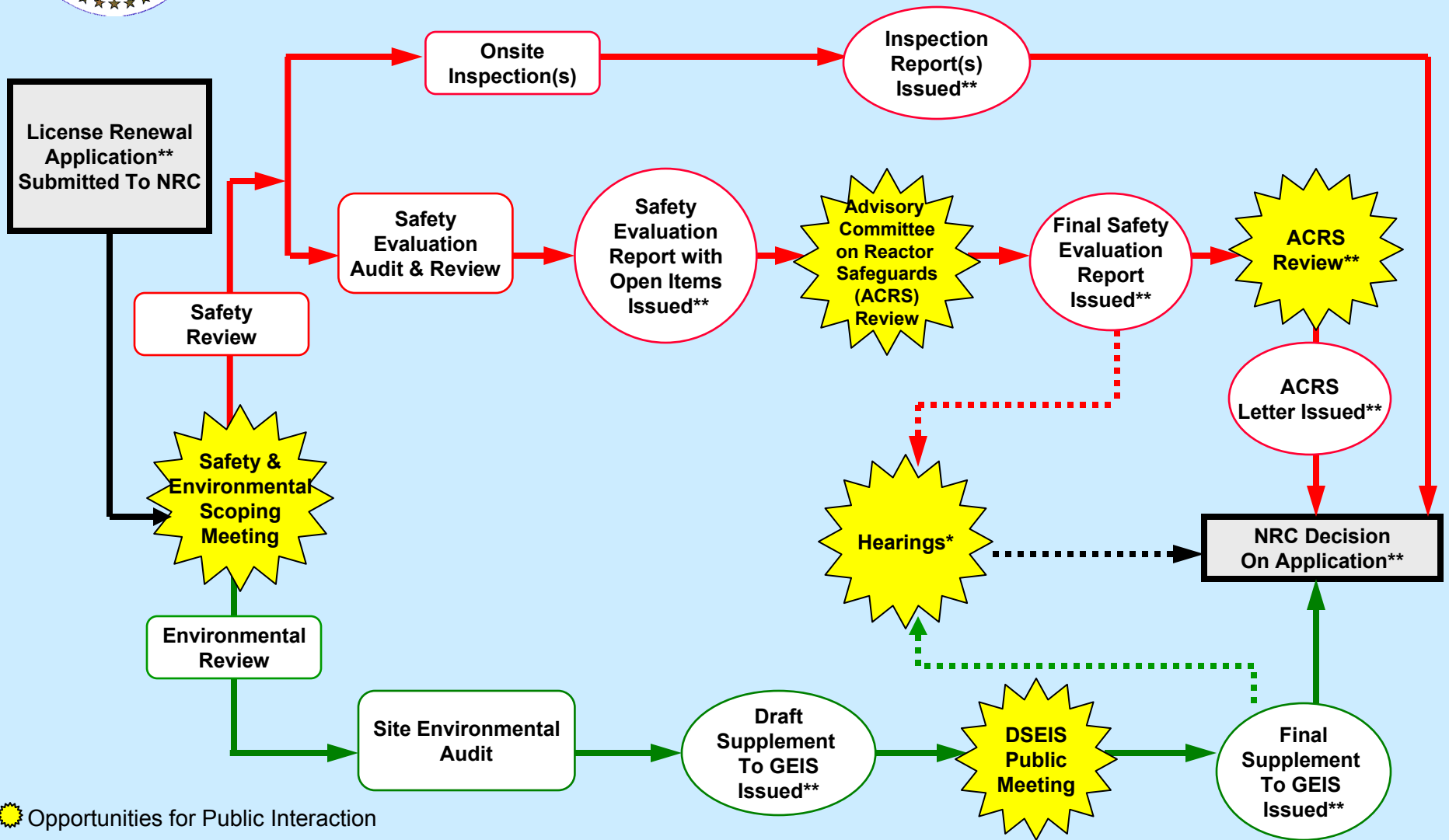


Content of Application

- General Information
- Technical Information
 - Integrated plant safety assessment
 - Time-limited aging analyses
 - Final safety analysis report supplement
- Technical Specification Changes
- Environmental Report



License Renewal Process



- ☀ Opportunities for Public Interaction
- * If a Request for Hearing is Granted
- ** Available at www.nrc.gov



Safety Review (10 CFR Part 54)

➤ Safety Review

- Review of application and supporting documentation
- On-site audits
- Issuance of Safety Evaluation Report (SER)

➤ On-site regional inspections

➤ Independent review by the Advisory Committee on Reactor Safeguards



Ongoing Regulatory Oversight

➤ Emergency Planning

- 10 CFR 50.47

➤ Security

- 10 CFR Part 73

➤ Current Safety Performance

- http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/HAR1/har1_chart.html



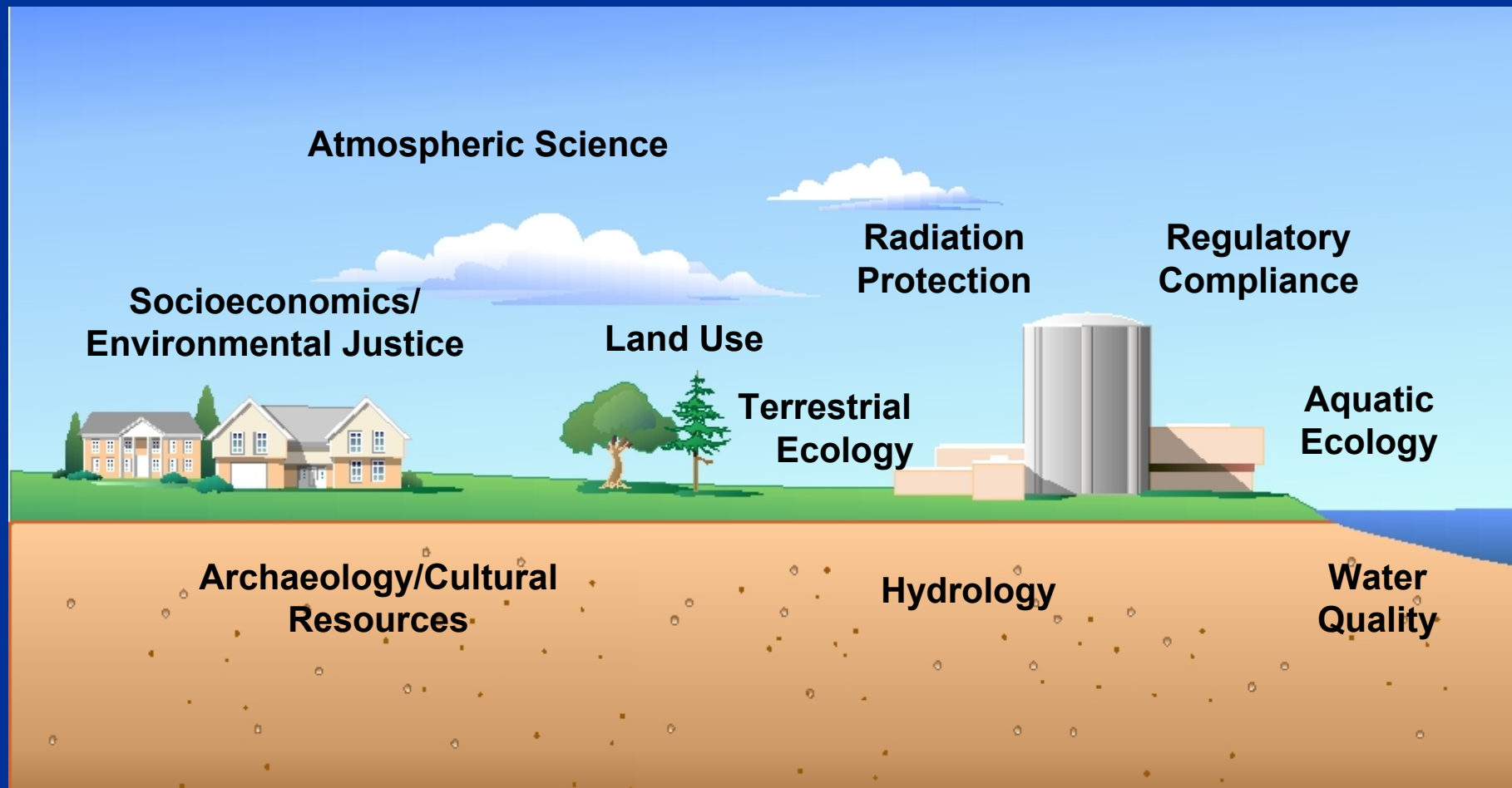
Environmental Review (10 CFR Part 51)

- NRC prepares an Environmental Impact Statement (EIS) for all proposed license renewals

- Scope
 - Generic Environmental Impact Statement (GEIS)
 - Site-specific Supplemental Environmental Impact Statement (SEIS)
 - Focused on assessment of site-specific issues
 - The staff also looks for new and significant information on generic conclusions reached in the GEIS

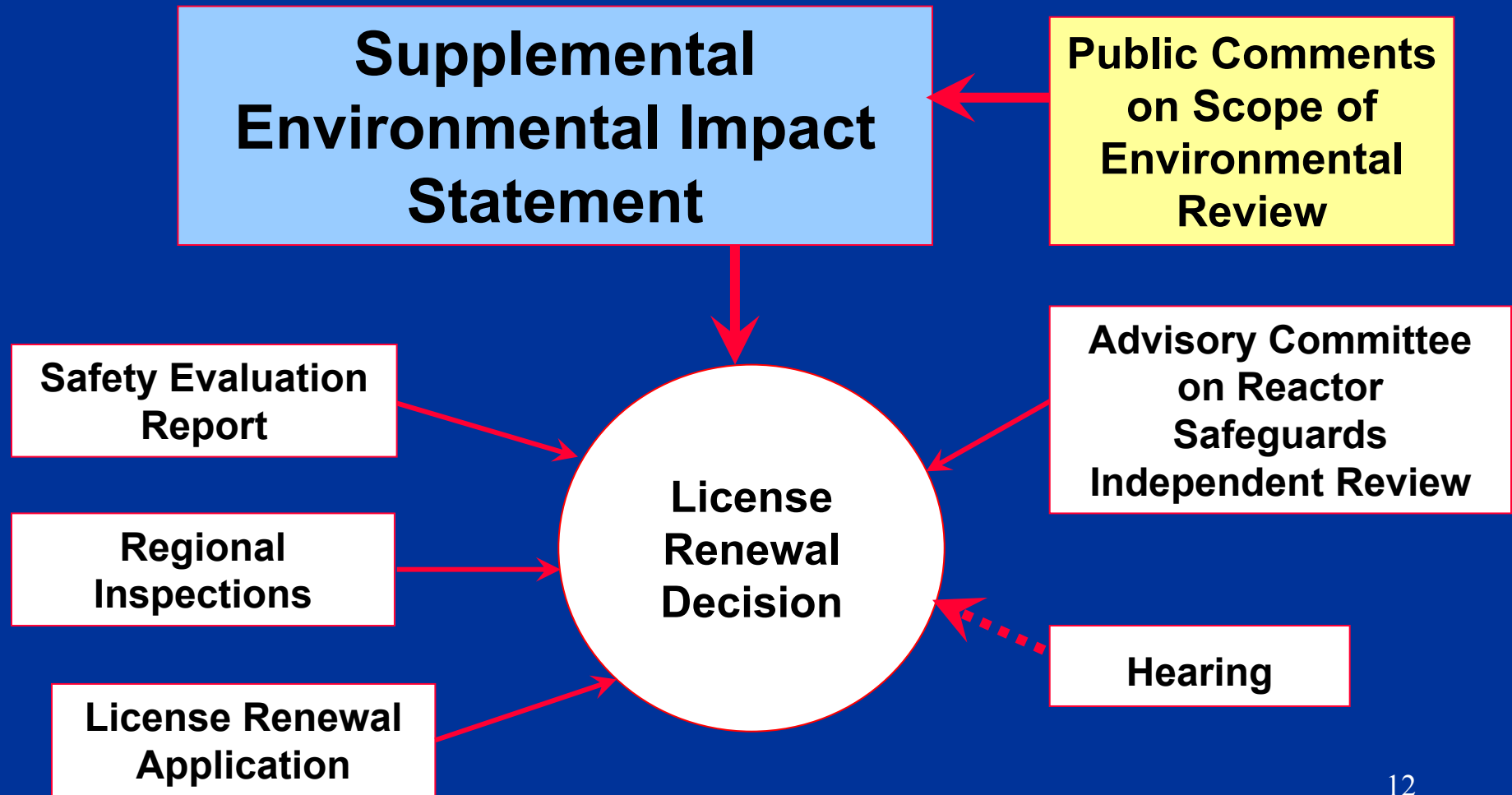


Components of the Environmental Review





Role of Public Comments



..... If a Request for Hearing is Granted



Submitting Comments for the Environmental Review

Provide written comments:

- By mail: Chief, Rules and Directives Branch
Division of Administrative Services
U.S. Nuclear Regulatory Commission
Mail Stop T-6D59
Washington, DC 20555
- E-mail: ShearonHarrisEIS@nrc.gov
- In person: 11545 Rockville Pike
Rockville, Maryland

Comments should be submitted by May 19, 2007



Review Schedule

Application Submitted	November 14, 2006
Notice of Acceptance	January 12, 2007
Notice of Opportunity to request a Hearing *	March 20, 2007
Notice of Intent to Prepare EIS & Scoping *	March 20, 2007
Safety and Environmental Scoping Meeting *	April 18, 2007
Environmental Scoping Period Closes *	May 19, 2007
Opportunity to request a Hearing Closes *	May 19, 2007
Draft SEIS Issued for Public Comment *	December 2007
Draft SEIS Public Meeting *	January 23, 2008
Draft SEIS Comments Period Closes *	March 5, 2008
SER with Open Items Issued	March 18, 2008
Regional Inspection Review Complete	TBD
Final SEIS Issued	August 2008
SER Issued	August 2008
ACRS Review complete *	October 2008
License Renewal Decision (with Hearing)	August 2009

* Opportunities for public involvement in the review.



Additional Information

➤ Agency Phone Number: (800) 368-5642

Safety Contact:

Maurice Heath, ext. 3137

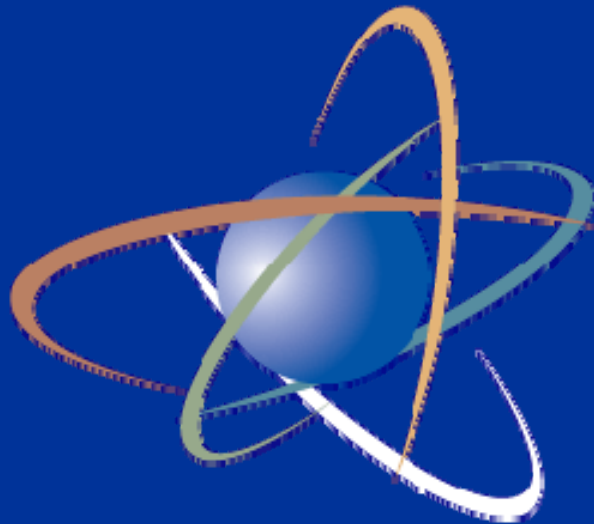
Environmental Contact:

Sam Hernandez, ext. 4049

➤ Documents located at:

- Eva H. Perry Library, 2100 Shepherd's Vineyard Drive, Apex, NC 27502
- West Regional Library, 4000 Louis Stephens Rd, Cary, NC 27519

➤ Documents can also be viewed at the NRC's Web site
www.nrc.gov/reactors/operating/licensing/renewal/applications.html



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Protecting People and the Environment