



**Grand Gulf Nuclear Station
License Renewal Process
and
Environmental Scoping Meeting**

January 31, 2012

Purpose of Today's Meeting

- Provide overview of license renewal review process
 - Safety review
 - Environmental review
- Receive public input on environmental review

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

Ongoing Regulatory Oversight

- Current Safety Performance
<http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/index.html>
- Emergency Planning
- Security

NRC Response to Fukushima

- The NRC's response to Fukushima is as a current operating issue
- Increased inspections at operating facilities
- NRC Near-Term Task Force issued its report on July 12
 - Continued operations and continued licensing activities do not pose an imminent risk to public health and safety
- The staff has prioritized the recommendations
- The NRC plans to issue initial Orders and Demands for Information (50.54(f) letters) by March 11th
- More information:
 - <http://www.nrc.gov/japan/japan-info.html>

Grand Gulf License Renewal Review

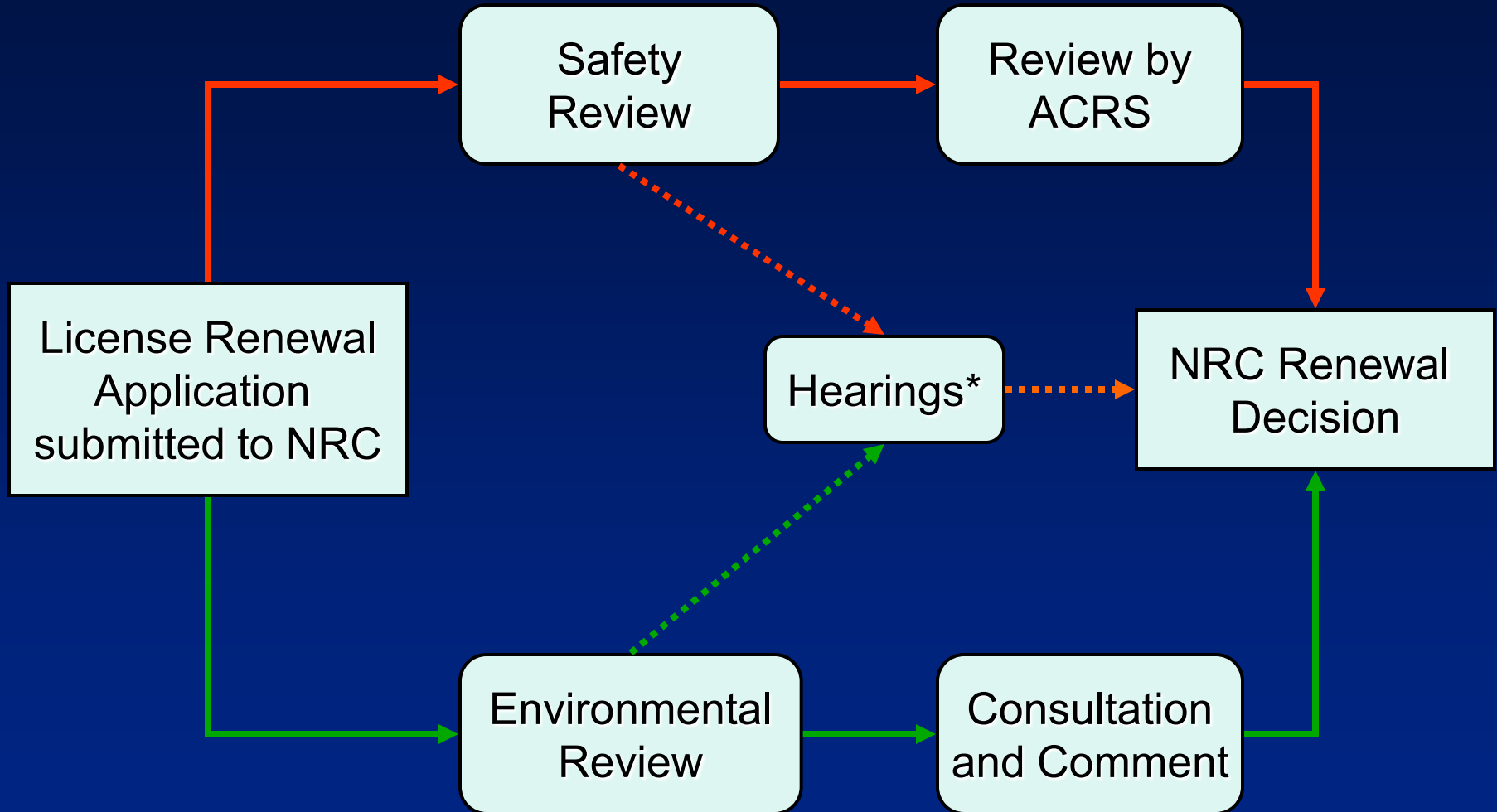
- License renewal application received on November 1, 2011

Unit 1 - license expires November 1, 2024

Docketing and Sufficiency of Application

- Acceptance/Sufficiency review
- Review contents of application
 - Technical information
 - Technical Specifications
 - Environmental Report
- Docket

License Renewal Process



* If a Request for Hearing is Granted

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

Safety Review Focus

- Safety review focus is on the effects of aging on:
 - Safety-related systems, structures, and components (SSCs)
 - Nonsafety-related SSCs which, if they failed, could affect safety-related SSC functions
 - SSCs relied upon for compliance with regulations for:
 - Fire protection
 - Environmental qualification
 - Pressurized thermal shock
 - Anticipated transients without scram
 - Station blackout
- Safety review is to determine if aging effects will be effectively managed

Safety Review Process

- Technical review by NRC staff
 - Review application and supporting documentation
 - On-site audits
 - Issue Safety Evaluation Report
- On-site inspections by NRC staff
- Independent review by the Advisory Committee on Reactor Safeguards

Safety Review Milestones (tentative)

Application Received	November 1, 2011
Notice of Opportunity for Hearing	December 27, 2011
Notice of Intent for Scoping	December 29, 2011
Environmental Scoping Meeting	January 31, 2012
Hearing Opportunity Closes	February 27, 2012
Scoping Comments Due	February 27, 2012
SER with Open Items	October 2012
ACRS Subcommittee Meeting	December 2012
Final SER Issued	April 2013
ACRS Full Committee Meeting	June 2013
Commission Decision (without hearing)	September 2013

Environmental Review (10 CFR Part 51)

- National Environmental Policy Act (NEPA)
 - Informs Federal decision making
 - Public disclosure of environmental impacts and other considerations
- NRC's Environmental Regulations
10 CFR Part 51
- Staff prepares an Environmental Impact Statement

Environmental Impact Statement

Staff Evaluates Impacts to Resources

- Fish and Wildlife
- Water and Air Resources
- Historical or Cultural Resources
- Taxes, Community Development, Environmental Justice
- Human Health
- Land Use



Environmental Review (10 CFR Part 51)

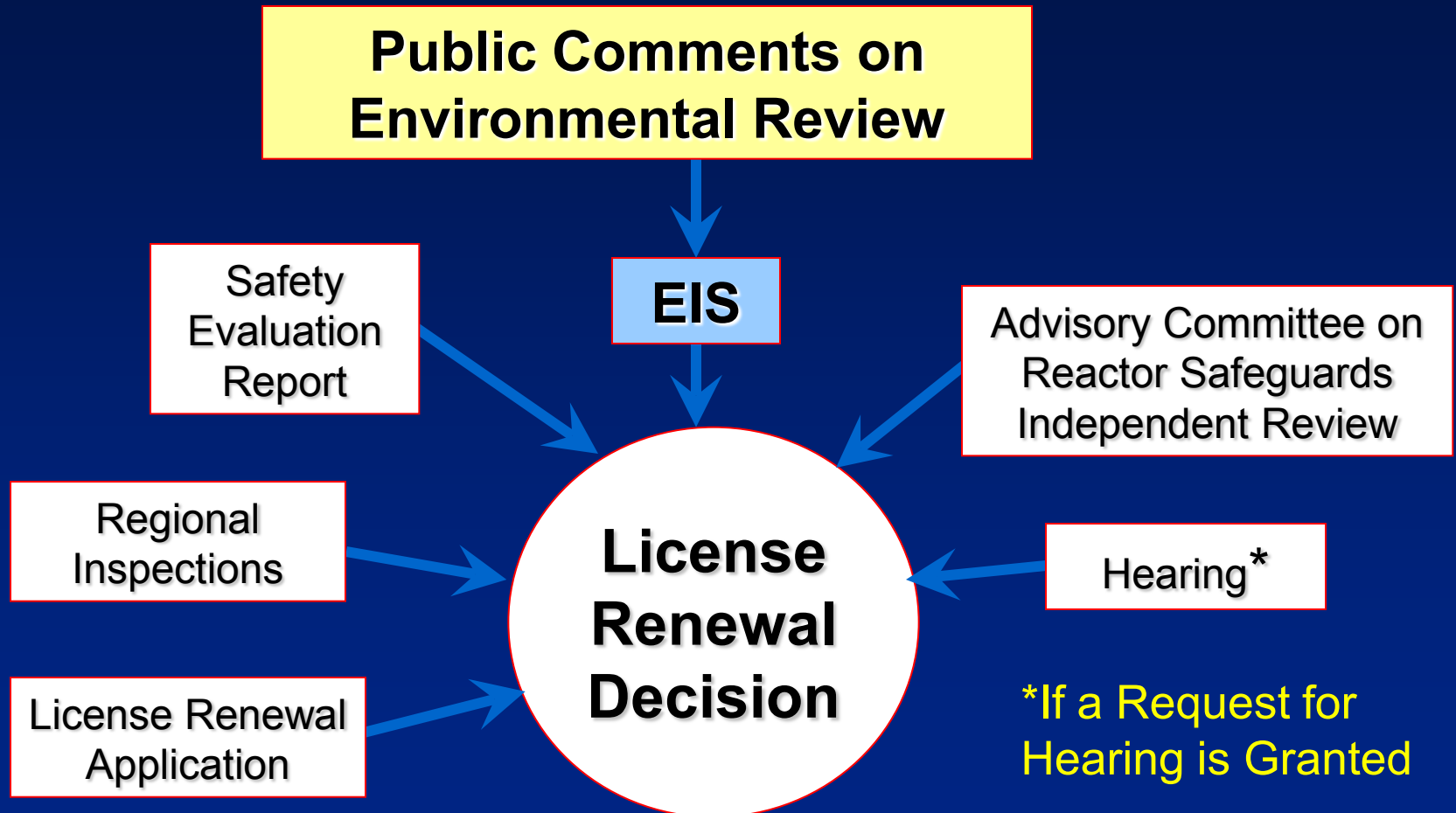
Scoping Process

- Generic Environmental Impact Statement
<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1437/>
- Site-specific Supplemental Environmental Impact Statement
- New and significant information on generic conclusions reached in the GEIS

Scoping and Public Involvement

- What is unique about your community?
- What local environmental issues should the NRC examine?
- What reasonable alternatives are appropriate for the area?

Role of Public Comments Environmental Review



How to Submit Comments on the Environmental Review

✓ **Online** at <http://www.regulations.gov>

Enter Keyword :

NRC-2011-0262

✓ **By fax** (reference Grand Gulf license renewal):
RADB at 301-492-3446

Comments will not be edited to remove identifying information

Comments must be submitted by February 27

How to Submit Comments on the Environmental Review

- ✓ **By mail** (please reference Grand Gulf license renewal):

Ms. Cindy Bladey

Chief, Rules, Announcements, and Directives Branch

Office of Administration, Mail stop: TWB-05-B01M

US Nuclear Regulatory Commission

Washington, DC 20555-0001

- ✓ **In person** at NRC Headquarters

Comments must be submitted by February 27

Environmental Review Milestones

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Draft SEIS Issued	December 2012
Draft SEIS Public Meeting	February 2013
Draft SEIS Comments Due	March 2013
Final SEIS Issued	July 2013

Project Manager Information

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Where to view documents

Documents located at:

- Harriette Person Memorial Library
606 Main Street
Port Gibson, Mississippi 39150

Documents can be viewed on the NRC's Web site:

www.nrc.gov/reactors/operating/licensing/renewal/applications.html



Grand Gulf Nuclear Station License Renewal

Environmental Scoping Comments