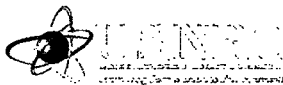




## **Fermi 2 License Renewal Process and Environmental Scoping Meeting**

1



## **NRC Regulatory Oversight**

- **NRC's Governing Statutes**
  - Atomic Energy Act of 1954
  - National Environmental Policy Act (NEPA)
- **NRC's Mission**
  - Protect Public Health and Safety
  - Promote Common Defense and Security
  - Protect the Environment

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## Ongoing Regulatory Oversight

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

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## Purpose of Today's Meeting

- Provide overview of license renewal review process
  - Safety Review
  - Environmental Review
- Receive public input on environmental review
  - Describe how to submit comments
  - Accept comments today

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## **Fermi 2 License Renewal**

- **Fermi 2 License Renewal Application Received on April 30, 2014**

The current license expires on March 20, 2025

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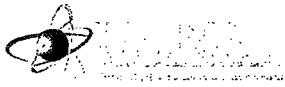


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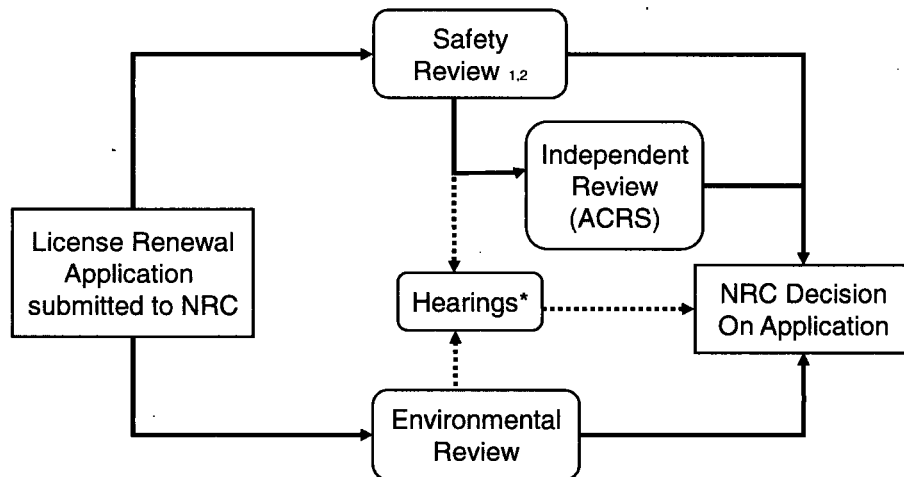
## **Contents of Application**

- **General information about the plant owner or operator**
- **Technical information about plant structures and components and how the applicant proposes to manage plant aging**
- **Environmental Report**

6



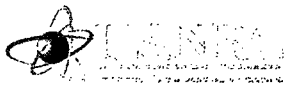
## License Renewal Process



\* If a Request for Hearing is Granted

1. In the Safety Review, the Advisory Committee on Reactor Safeguards (ACRS) conducts an independent review of the application
2. Findings from NRC region-based inspectors are used to inform the safety review

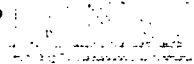
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## License Renewal Safety Principles

- *The regulatory process, continued into the extended period of operation, is adequate to ensure that the current licensing basis of all currently operating plants provides an acceptable level of safety, with the possible exception of the detrimental effects of aging on certain systems, structures, and components, and possibly a few other issues related to safety only during the period of extended operation, and*
- *Each plant's current licensing basis is required to be maintained during the renewal term.*

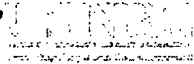
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## Safety Review Focus

- Safety review focus is on the effects of aging on:
  - Safety-related systems, structures, and components (SSCs)
  - Non-safety related SSCs which, if they failed, could affect safety-related SSC functions
  - SSCs relied upon for compliance with regulations
- Safety review is to determine if aging effects will be effectively managed

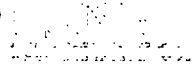
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## Safety Review Process

- 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

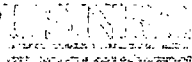
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## Safety Review Milestones

Application Received	April 30, 2014
Notice of Opportunity for Hearing	June 18, 2014
<b>Environmental Scoping Meeting</b>	<b>July 24, 2014</b>
Hearing Opportunity Closes	August 18, 2014
SER with Open Items	September 2015
ACRS Subcommittee Meeting	November 2015
Final SER Issued	February 2016
ACRS Full Committee Meeting	April 2016

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## Environmental Review

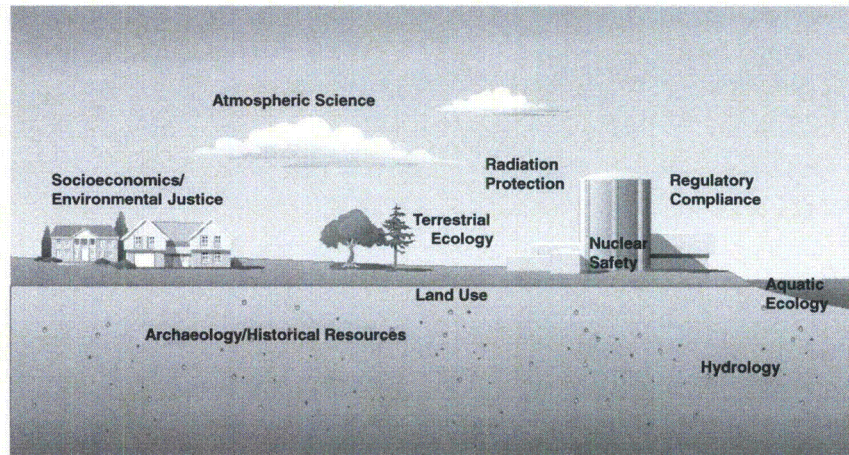
- National Environmental Policy Act (NEPA)
  - Informs Federal decision making
  - Public disclosure of environmental impacts and other considerations
- NRC's Environmental Regulations
  - 10 CFR Part 51
- Staff prepares an Environmental Impact Statement

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## Reviewing Areas



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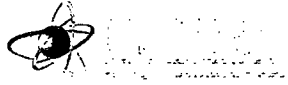
## Environmental Impact Statement

### ➤ Staff Evaluates Impacts to Resources

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



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## **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

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## **Waste Confidence**

- NRC Waste Confidence Rule (WC) addresses the environmental impacts of continued storage of spent fuel after the licensed life (including renewal).
- Consistent with Commission direction, Fermi 2 renewed license will not be issued until the issues related to waste confidence are appropriately addressed.
- Revised WC Rule and Generic Environmental Impact Statement is being developed by the WC Directorate, to be completed in Fall 2014.
  - <http://www.nrc.gov/waste/spent-fuel-storage/wcd.html>

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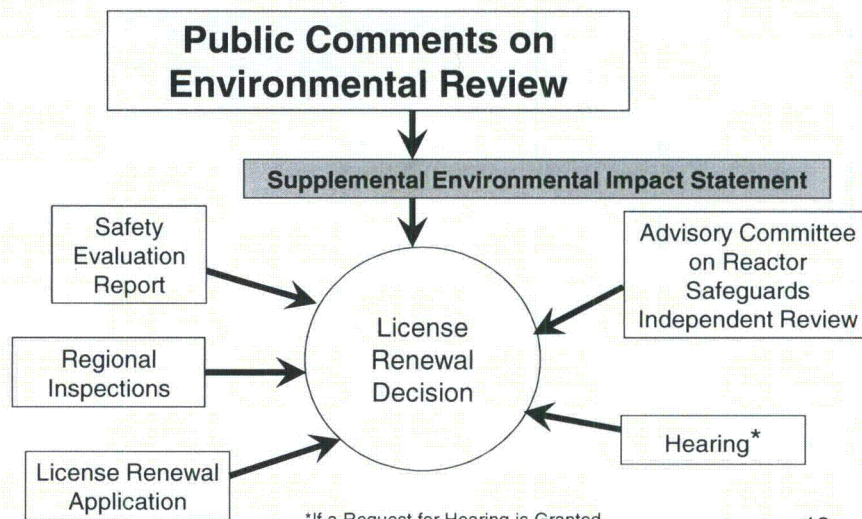
## Scoping and Public Involvement

- What about your community should the NRC focus on in the EIS?
- What local environmental issues should the NRC examine?
- What reasonable alternatives are appropriate for the area?

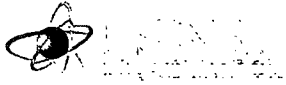
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## Role of Public Comments on Environmental Review



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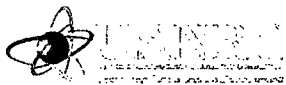


## Submitting Comments on the Scope of the Environmental Review

### ➤ Provide written comments:

- ✓ By mail: Chief, Rules, Announcements and Directives Branch  
Division of Administrative Services  
Mailstop 3WFN-06A44MP  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555
  
- ✓ Website: <http://www.regulations.gov>,  
Docket ID NRC-2014-0109
  
- ✓ In person: 11545 Rockville Pike, Rockville, Maryland

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## Environmental Review Milestones

- |                                       |                 |
|---------------------------------------|-----------------|
| ➤ Application Received                | April 30, 2014  |
| ➤ Notice of Receipt and Availability  | May 12, 2014    |
| ➤ Notice of Opportunity for Hearing   | June 18, 2014   |
| ➤ Notice of Intent for Scoping        | June 30, 2014   |
| ➤ Environmental Scoping Meeting       | July 24, 2014   |
| ➤ Petition to Request for Hearing Due | August 18, 2014 |
| ➤ Scoping Comments Due                | August 29, 2014 |
| ➤ Draft SEIS Issued                   | June 2015       |
| ➤ Draft SEIS Public Meeting           | July 2015       |
| ➤ Draft SEIS Comments Due             | August 2015     |
| ➤ Final SEIS Issued                   | February 2016   |

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## Additional Information

- Environmental Contact:
  - Leslie Perkins, (800) 368-5642, ext. 2375
- Safety Contact:
  - Daneira Meléndez-Colón, (800) 368-5642, ext. 3301
- Documents located at:
  - Ellis Library & Conference Center, 3700 South Cluster Road, Monroe, MI
- Documents can be viewed at the NRC site:  
<http://www.nrc.gov/reactors/operating/licensing/renewal/applications/fermi.html>