



License Renewal Process Overview Three Mile Island Nuclear Station Unit 1 (TMI-1)

March 4, 2008



Purpose of Today's Meeting

- Describe the NRC's license renewal process
- Explain opportunities for public participation
- Describe how to get additional information



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

3



TMI-1 License Renewal

- TMI, Unit 1
 - License expires April 19, 2014

- Application received on January 8, 2008

- TMI, Unit 2
 - TMI-2 has been defueled and decontaminated to the extent the plant is in a safe, inherently stable condition suitable for long-term management. This long-term management condition is termed post-defueling monitored storage, which was approved in 1993.

4

Content of Application

- 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

5

License Renewal Review

- **Safety Review**
 - Focus is on the effects of aging of components and structures important to plant safety
 - Staff review is to determine that aging effects will be effectively managed
- **Environmental Review**
 - Considers, analyzes, and discloses 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

6



Ongoing Regulatory Oversight

- Emergency Planning
 - 10 CFR 50.47

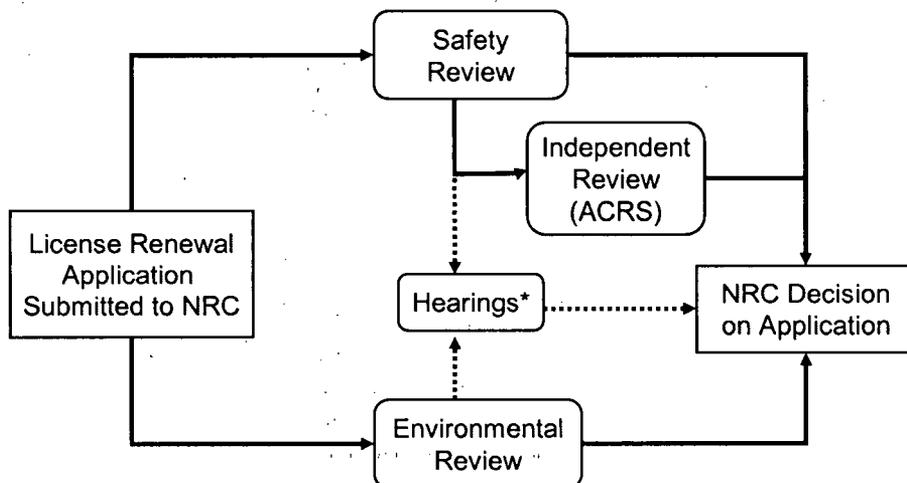
- Security
 - 10 CFR Part 73

- Current Safety Performance
 - http://www.nrc.gov/NRR/OVERSIGHT/ASSESS/TMI1/tmi1_chart.html

7



License Renewal Process



* If a Request for Hearing is Granted

8

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

9

Safety Review (10 CFR Part 54)

- Safety Review by NRC technical 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 (ACRS)

10

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 (EIS)

11

Critical Review Milestones

- Acceptance Review
- Public Scoping Meeting
- Technical Review
- Draft Environmental Impact Statement
- Public Meeting - Comments on Draft EIS
- Safety Evaluation Report with Open Items
- Independent review by ACRS
- Final Environmental Impact Statement
- Safety Evaluation Report

12



Opportunities for Public Involvement

- Opportunity for Hearing*
- Environmental Scoping Activities*
- Public Meeting - Environmental Scoping*
- Draft Environmental Impact Statement*
- Public Meeting - Comments on Draft EIS*
- Public Meeting - Regional Inspection
- Independent Review by ACRS*

*Federal Register Notice and Press Release

13



Final Agency Decision

- Commission considers
 - The results of the safety review
 - Environmental Impact Statement
 - NRC inspection findings and conclusions
 - Recommendations from the Advisory Committee for Reactor Safeguards
 - Outcome of hearing process
- Typical License Renewal Review
 - 22 months, without a hearing
 - 30 months if a hearing is conducted

14



Additional Information

- Project contacts: (800) 368-5642
 - David Wrona, Senior Project Manager, ext. 2292
 - John Daily, Project Manager, ext. 3873
 - Sarah Lopas, Environmental Project Manager, ext. 1147

- Documents located at:
 - Londonderry Township Municipal Building
783 South Geyers Church Road, Middletown, PA 17057
 - Middletown Public Library
20 North Catherine Street, Middletown, PA 17057
 - Penn State Harrisburg Library
351 Olmsted Drive, Middletown, PA 17057

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