

Environmental Scoping Meeting

Nuclear Regulatory Commission
December 6, 2000



Introduction

- ▶ Purpose
- ▶ Statutory background
- ▶ National Environmental Policy Act
- ▶ Review process
- ▶ Schedule
- ▶ Public comment



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Turkey Point Nuclear Plant License Renewal

- ▶ Units 3 and 4
- ▶ Operating licenses to expire in 2012 and 2013
- ▶ Application requests authorization to operate Units 3 and 4 for an additional 20 years
- ▶ Florida Power and Light Company's license renewal application includes their Environmental Report

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Turkey Point License Renewal Environmental Review Milestones

- ▶ Application received - 9/11/00
- ▶ Application accepted for docketing - 10/12/00
- ▶ Notice of Intent - 10/24/00
- ▶ Scoping meeting - 12/6/00
- ▶ Comment period - 10/24/00 - 12/22/00

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Purpose of Today's Meeting

- ▶ Describe the environmental review process
- ▶ Identify environmental areas that the staff typically evaluates
- ▶ Provide the review schedule
- ▶ Accept any comments you may have today
- ▶ Describe how to submit comments

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NRC Mission

- ▶ NRC governed by:
 - Atomic Energy Act
 - Energy Reorganization Act
 - National Environmental Policy Act (NEPA)
 - Other statutes

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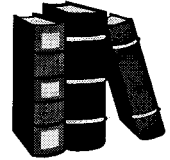
NRC Mission (continued)

- ▶ Mission statement:
 - health and safety protection
 - environmental protection
 - common defense and security

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What is License Renewal?

- ▶ Atomic Energy Act
 - Limits term of license
 - Allows for renewal
- ▶ 10 CFR Part 50



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What is License Renewal? (continued)

- ▶ License Renewal (10 CFR Part 54)
 - Operate an additional 20 years beyond current license term
 - NRC review
 - Public participation
 - Commission decision

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Purpose and Need

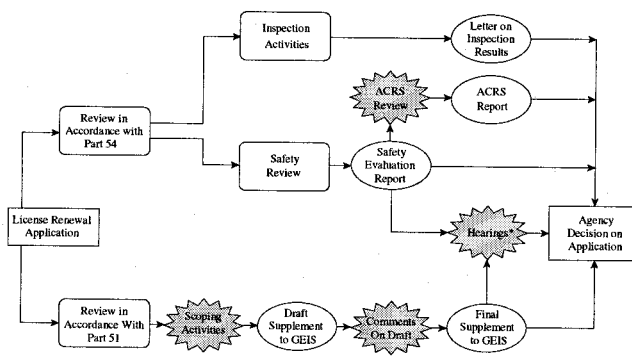
Renewal of an operating license

“... to provide an option that allows for power generation capability beyond the term of a current nuclear power plant operating license to meet future system generating needs...”

Generic Environmental Impact Statement
for License Renewal of Nuclear Plants
NUREG-1437

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License Renewal Process



Formal Public Participation
* If a request for hearing is granted.

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National Environmental Policy Act

- ▶ NEPA requires Federal agencies to use a systematic approach to consider environmental impacts
- ▶ Environmental Impact Statement (EIS) is required for major federal actions significantly affecting the quality of the human environment
- ▶ License renewal is considered a major federal action

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Staff's Objective of Environmental Review

To determine whether:

The adverse environmental impacts of license renewal for Turkey Point Nuclear Plant, Units 3 and 4 are not so great that preserving the option of license renewal for energy planning decision makers would be unreasonable.

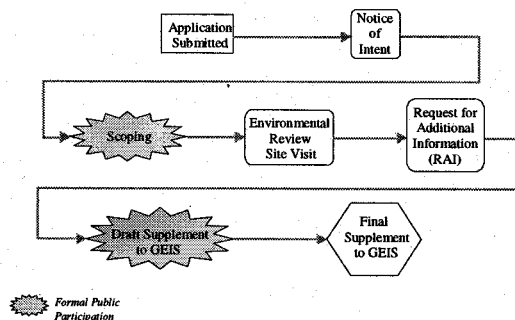
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How We Implement NEPA

- ▶ Regulations
 - 10 CFR Part 51
 - Generic Environmental Impact Statement (GEIS)
- ▶ Regulatory Guidance
 - Environmental Standard Review Plan for License Renewal

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Environmental License Renewal Process



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NEPA Process

- ▶ Notice of Intent - notifies public of NRC's plans to prepare an EIS
- ▶ Scoping Process - identifies scope of EIS and solicits public input
 - Public Meeting
 - Public Comment Period

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NEPA Process (continued)

- ▶ Review - evaluates environmental impacts, alternatives, & mitigation measures
- ▶ Issue draft EIS for public comment
 - Public Meeting
 - Public Comment Period
- ▶ Issue final EIS

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Information Gathering Process

- ▶ Review FPL's application
- ▶ Visit site and review FPL's process for identifying new information
- ▶ Evaluate input received through public scoping process
 - All comments received during the comment period will be considered

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Information Gathering Process (continued)

- ▶ Visit county, regional, and State government environmental and resource regulators
- ▶ Visit information service agencies
- ▶ Verify environmental permits and requirements for continuing operations
- ▶ Discuss consequences during renewal term with regulating agencies

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What Do We Look At?

- ▶ Generic Environmental Impact Statement for License Renewal (GEIS, NUREG-1437)
 - Identified 92 issues of potential consequence
 - 69 issues resolved generically (Category 1)
 - 23 issues looked at on plant-specific basis (Category 2 or unassigned)
- ▶ Staff also looks for any significant new information not identified in GEIS

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Areas Reviewed

- ▶ Surface water quality, hydrology, & use
- ▶ Aquatic ecology
- ▶ Ground-water use & quality
- ▶ Threatened or endangered species
- ▶ Air quality
- ▶ Land use
- ▶ Uranium fuel cycle & waste management



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Areas Reviewed (continued)

- ▶ Human health
- ▶ Socioeconomics
- ▶ Postulated accidents
- ▶ Decommissioning
- ▶ Environmental justice
- ▶ Alternatives to license renewal



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Issues Not Considered In Environmental Review

- ▶ Need for power
- ▶ Cost of power
- ▶ Spent fuel disposal
- ▶ Safety-related issues

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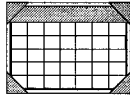
Public Comments

- ▶ Comment period ends on December 22, 2000
 - 60 day comment period
- ▶ All comments received during the comment period will be considered
- ▶ Comments not bearing on decision to renew license will be referred to appropriate NRC programs.

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- ▶ Comment period - 10/24/00 -12/22/00
- ▶ Draft EIS issued - 7/01
- ▶ Final EIS issued - 1/02



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Point of Contact

- ▶ Agency point of contact:

James H. Wilson
1 (800) 368-5642, Ext. 1108

- ▶ Application and certain documents located at the Homestead Branch Library, 700 N. Homestead Blvd., Homestead, Florida
- ▶ Related documents can be viewed at NRC's Website (www.nrc.gov)

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NRC Addresses

- ▶ Provide comments to Chief, Rules and Directives Branch:
 - by mail to: Division of Administrative Services
Mailstop T-6 D59
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001
 - in person to: Two White Flint North
11545 Rockville Pike
Rockville, Maryland 20852-2738
 - e-mail to: TurkeyPointEIS@nrc.gov

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