NRC FORM 658
(9-1999)

U.S. NUCLEAR REGULATORY COMMISSION

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Do not include proprietary materials.

DATE OF MEETING
08/07/2003

The attached document(s), which was/were handed out in this meeting, is/are to be placed in the public domain as soon as possible. The minutes of the meeting will be issued in the near future. Following are administrative details regarding this meeting:

Docket Number(s)	**50-244**
Plant/Facility Name	**R.E. Ginna Nuclear Power Plant**
TAC Number(s) (if available)	**MB5225**
Reference Meeting Notice	**July 15, 2003**
Purpose of Meeting (copy from meeting notice)	**To Discuss the Draft Supplemental Environmental Impact Statement (DSEIS) for License Renewal at R.E. Ginna Nuclear Power Plant**

NAME OF PERSON WHO ISSUED MEETING NOTICE	TITLE
Robert G. Schaaf	**Project Manager**

OFFICE
NRR

DIVISION
DRIP

BRANCH
RLEP

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DF01

AGENDA FOR PUBLIC MEETING TO COLLECT COMMENTS ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR R.E. GINNA NUCLEAR POWER PLANT, LICENSE RENEWAL

THURSDAY, AUGUST 7, 2003

Two Meeting Sessions - 1:30 p.m. to 4:30 p.m. and 7:00 p.m. to 10:00 p.m.

I. Welcome and purpose of meeting - 10 minutes (Chip Cameron, John Tappert)

II. Overview of license renewal process - 5 minutes (Russell Arrighi)

III. Overview of environmental review process - 5 minutes (Robert Schaaf)

IV. Results of the environmental review - 30 minutes (Duane Neitzel, Mark Rubin)

V. How comments can be submitted - 5 minutes (Robert Schaaf)

VI. Public comments - 2 hours

VII. Closing/availability of transcripts, etc. - 5 minutes (Chip Cameron)

Preliminary Results of Environmental Review R.E. Ginna Nuclear Plant

Nuclear Regulatory Commission
August 7, 2003

Purpose of Today's Meeting

- Discuss NRC's license renewal process
- Describe the environmental review process
- Discuss the results of our review
- Provide the review schedule
- Accept any comments you may have today
- Describe how to submit comments

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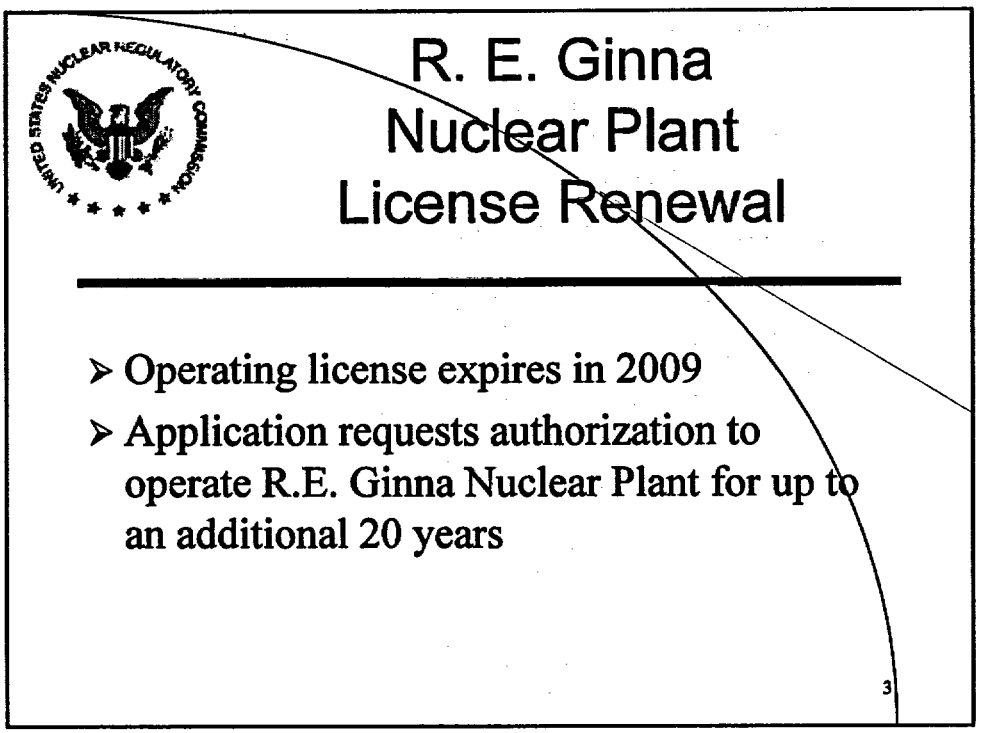
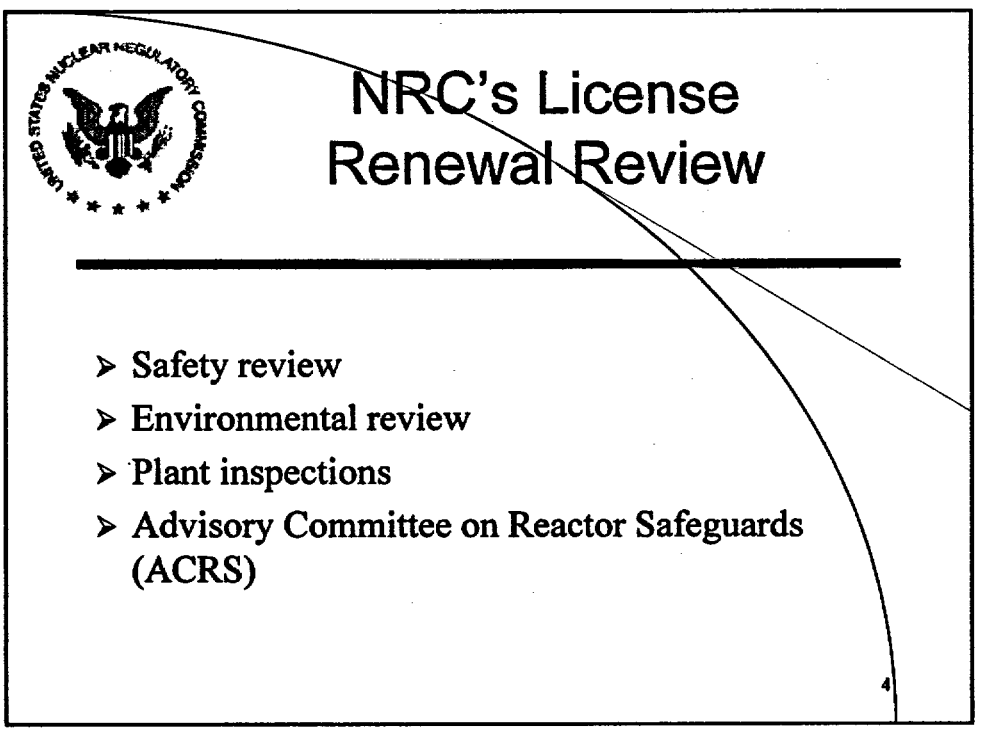
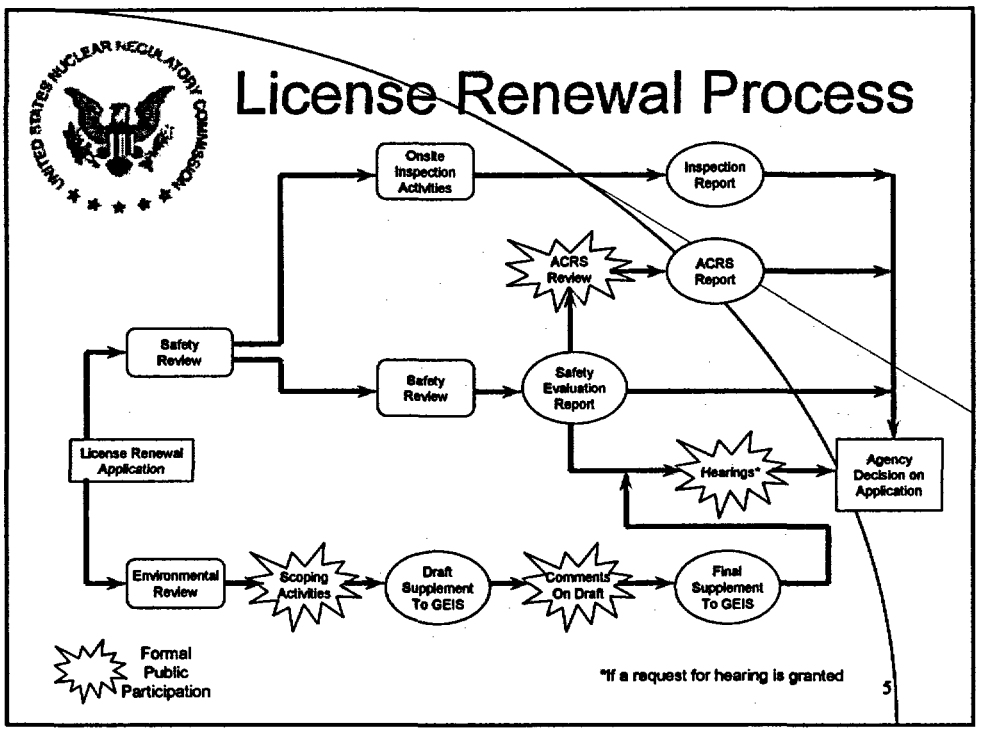
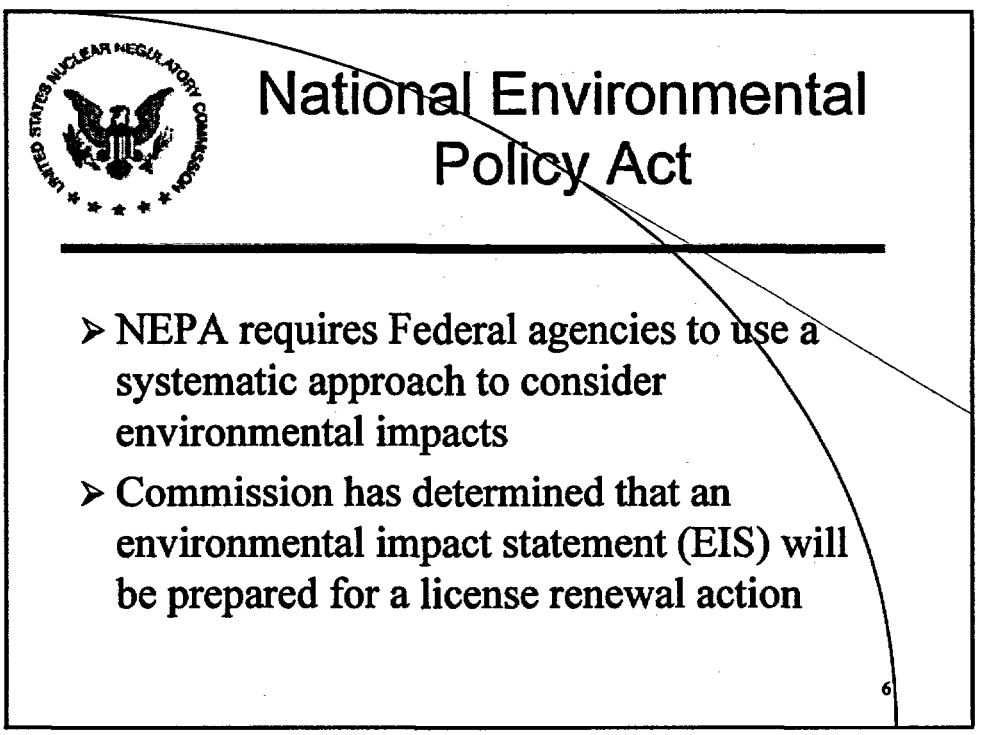

R. E. Ginna
Nuclear Plant
License Renewal
Operating license expires in 2009
Application requests authorization to operate R.E. Ginna Nuclear Plant for up to an additional 20 years
3


NRC's License
Renewal Review
Safety review
Environmental review
Plant inspections
Advisory Committee on Reactor Safeguards (ACRS)
4


License Renewal Process
Onsite Inspection Activities
Inspection Report
ACRS Review
ACRS Report
Safety Review
Safety Review
Safety Evaluation Report
License Renewal Application
Hearings*
Agency Decision on Application
Environmental Review
Scoping Activities
Draft Supplement To GEIS
Comments On Draft
Final Supplement To GEIS
Formal Public Participation
*If a request for hearing is granted
5


National Environmental Policy Act
NEPA requires Federal agencies to use a systematic approach to consider environmental impacts
Commission has determined that an environmental impact statement (EIS) will be prepared for a license renewal action
6

Decision Standard for Environmental Review

To determine whether or not the adverse environmental impacts of license renewal for Ginna are so great that preserving the option of license renewal for energy planning decisionmakers would be unreasonable.

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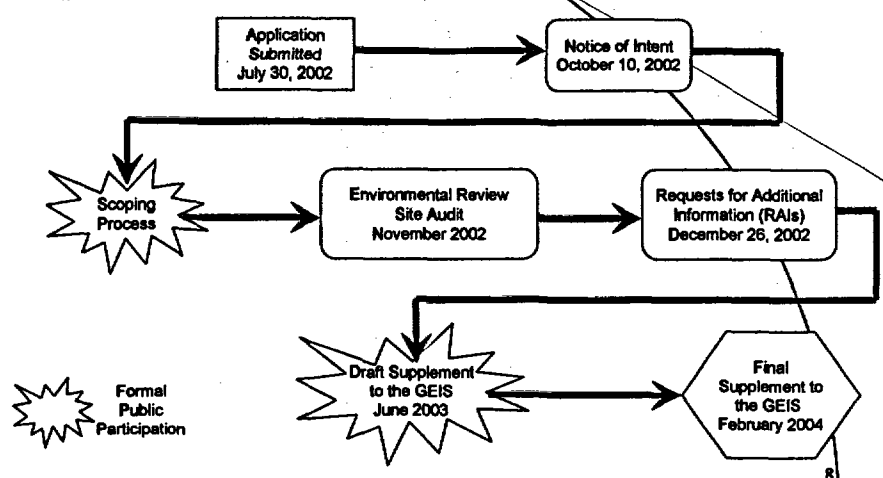
Environmental License Renewal Process



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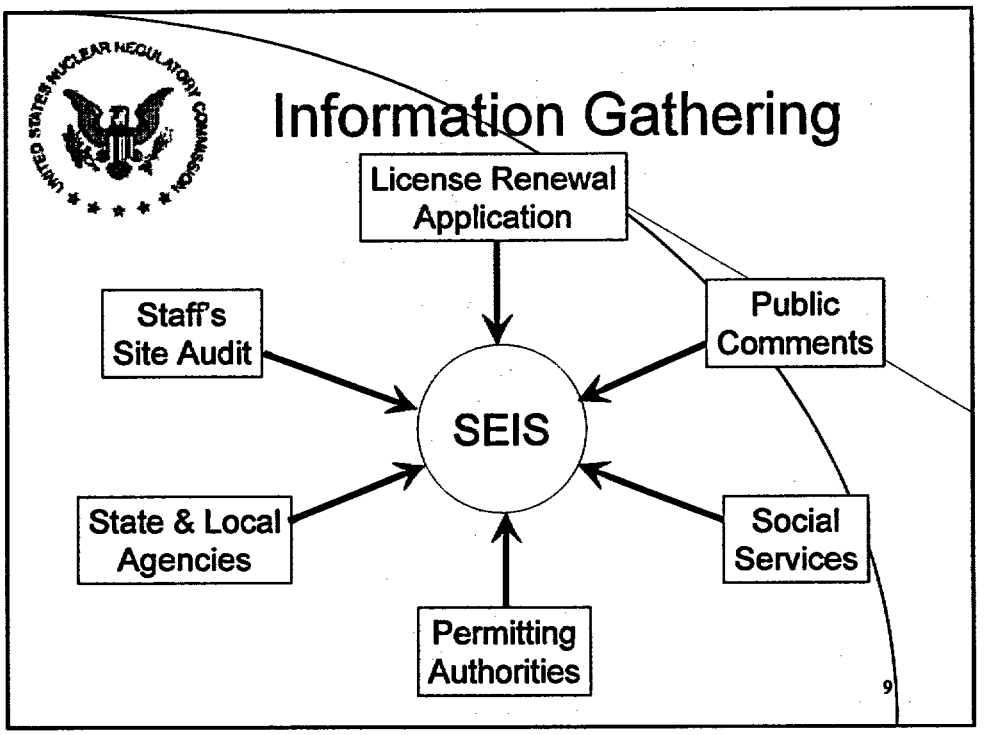
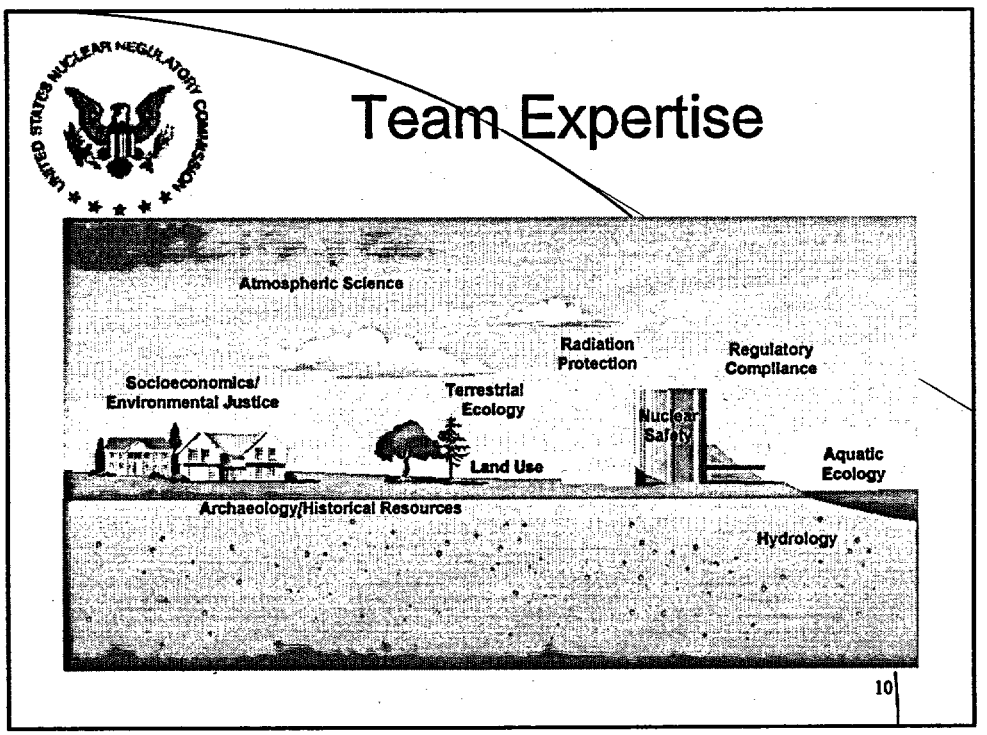
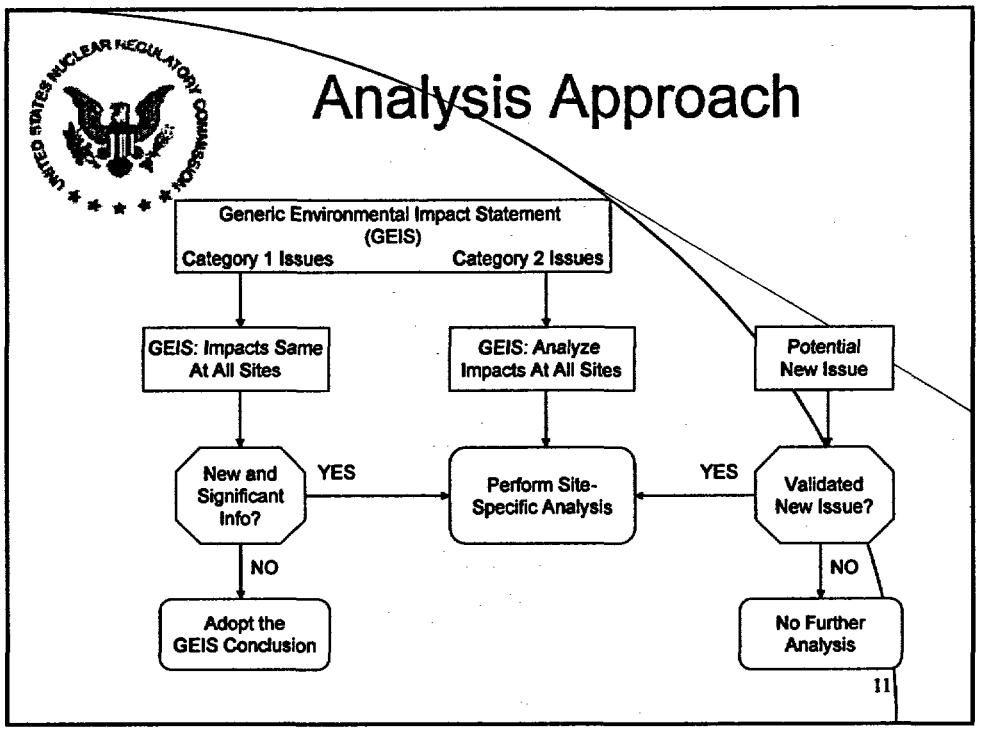
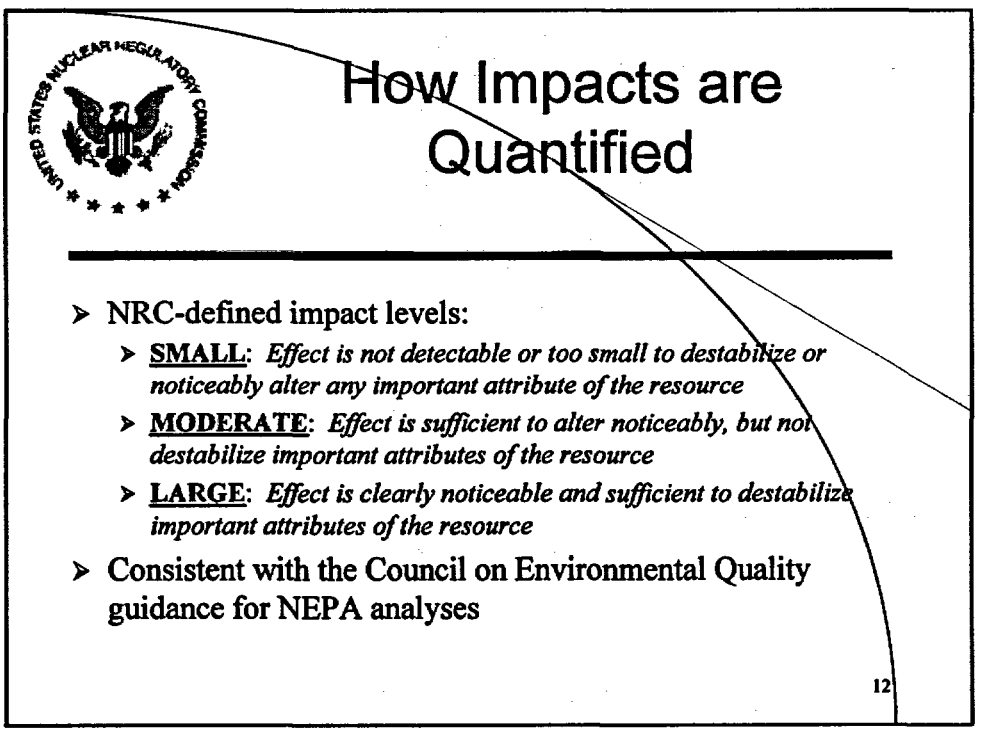

Information Gathering
License Renewal Application
Staff's Site Audit
Public Comments
SEIS
State & Local Agencies
Social Services
Permitting Authorities
9


Team Expertise
Atmospheric Science
Radiation Protection
Regulatory Compliance
Socioeconomics/ Environmental Justice
Terrestrial Ecology
Nuclear Safety
Aquatic Ecology
Land Use
Archaeology/Historical Resources
Hydrology
10


Analysis Approach
Generic Environmental Impact Statement (GEIS)
Category 1 Issues
Category 2 Issues
GEIS: Impacts Same At All Sites
GEIS: Analyze Impacts At All Sites
Potential New Issue
New and Significant Info?
YES
Perform Site-Specific Analysis
YES
Validated New Issue?
NO
NO
Adopt the GEIS Conclusion
No Further Analysis
11


How Impacts are Quantified
NRC-defined impact levels:
SMALL: Effect is not detectable or too small to destabilize or noticeably alter any important attribute of the resource
MODERATE: Effect is sufficient to alter noticeably, but not destabilize important attributes of the resource
LARGE: Effect is clearly noticeable and sufficient to destabilize important attributes of the resource
Consistent with the Council on Environmental Quality guidance for NEPA analyses
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Environmental Impacts of Operation

- Cooling System
- Transmission Lines
- Radiological
- Socioeconomic
- Groundwater Use and Quality
- Threatened or Endangered Species

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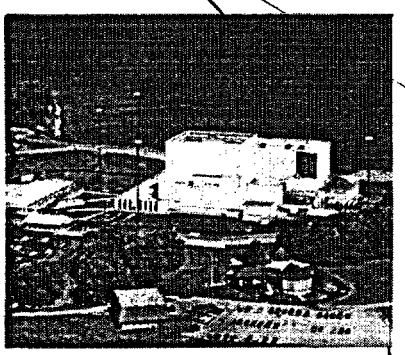
Cooling System Impacts

- Category 2 issues
  - Entrainment
  - Impingement
  - Heat Shock
- Preliminary findings
  - Impacts are SMALL
  - No additional mitigation required



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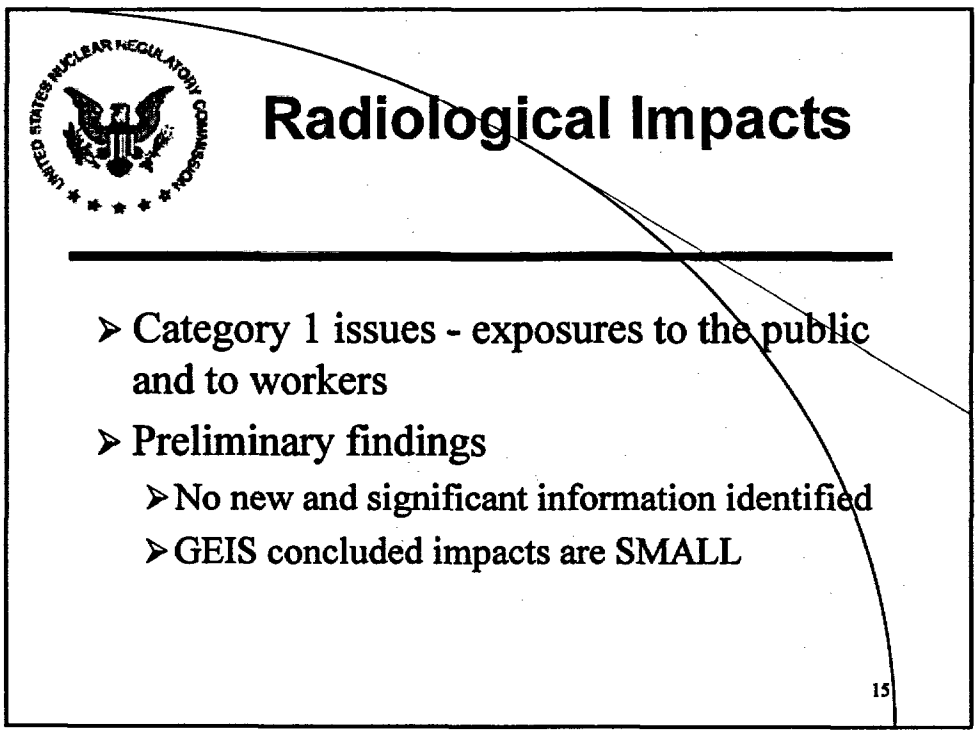
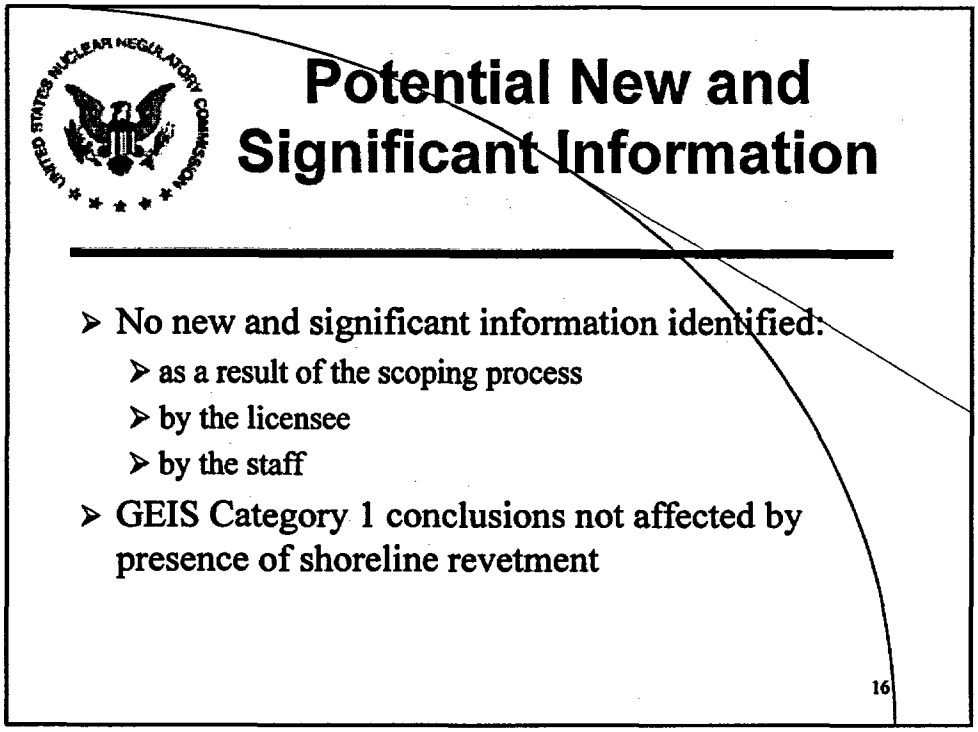
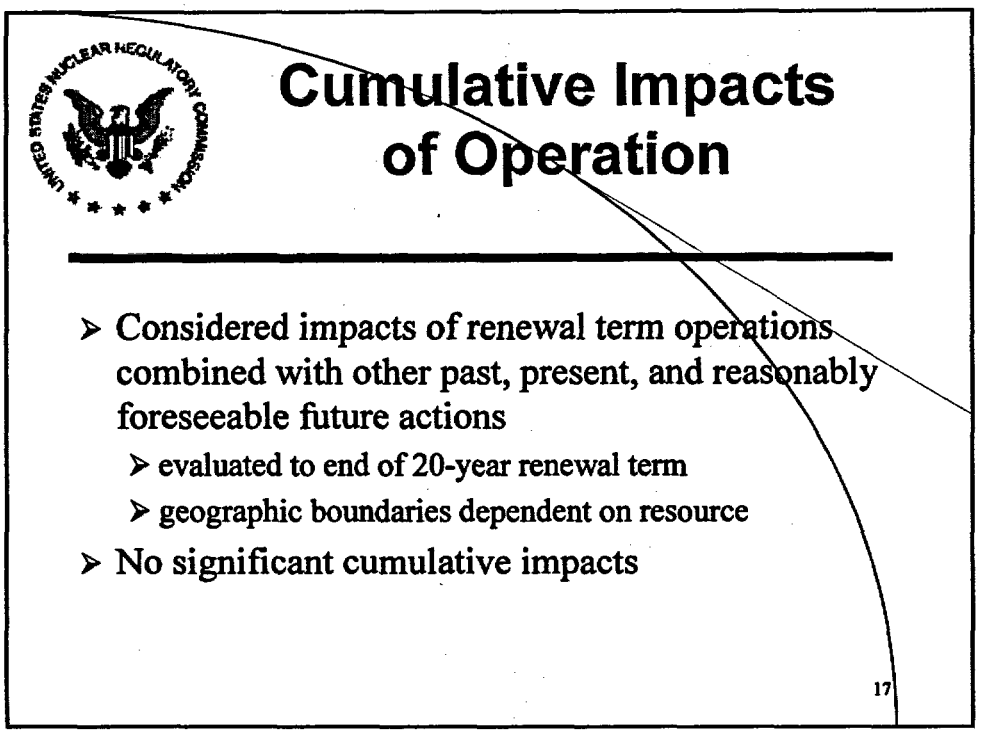
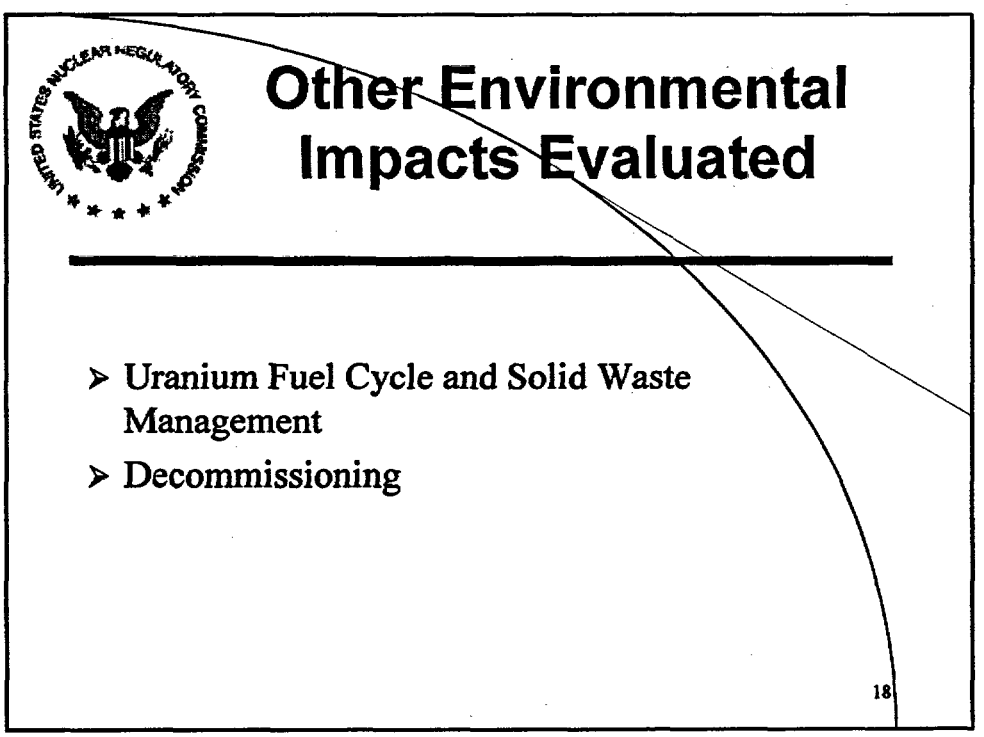
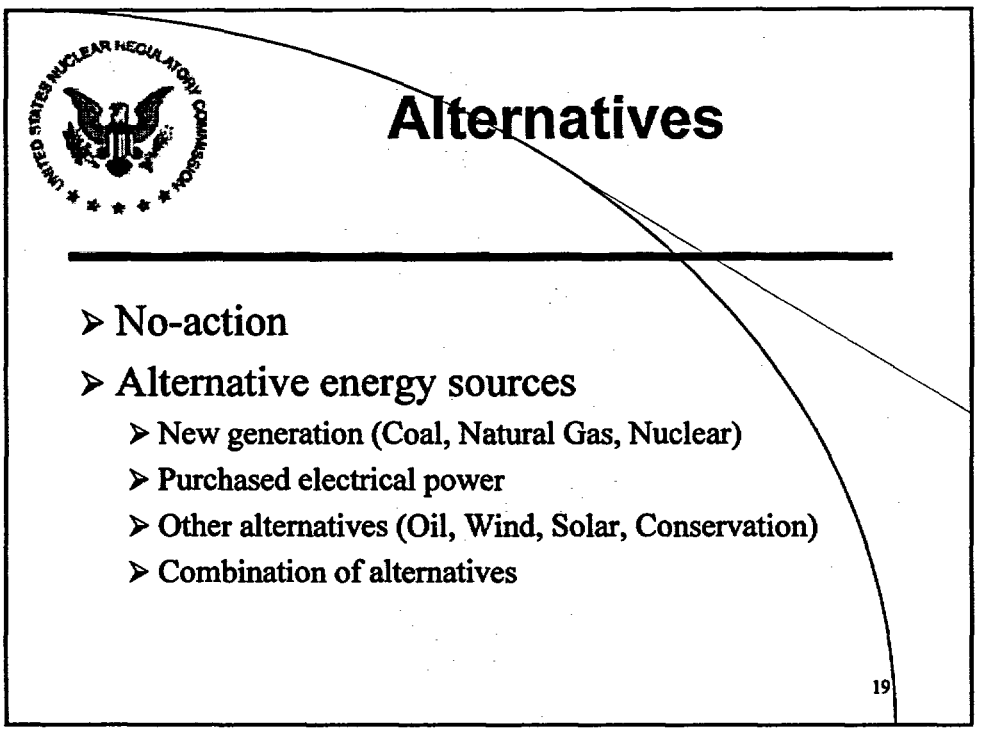
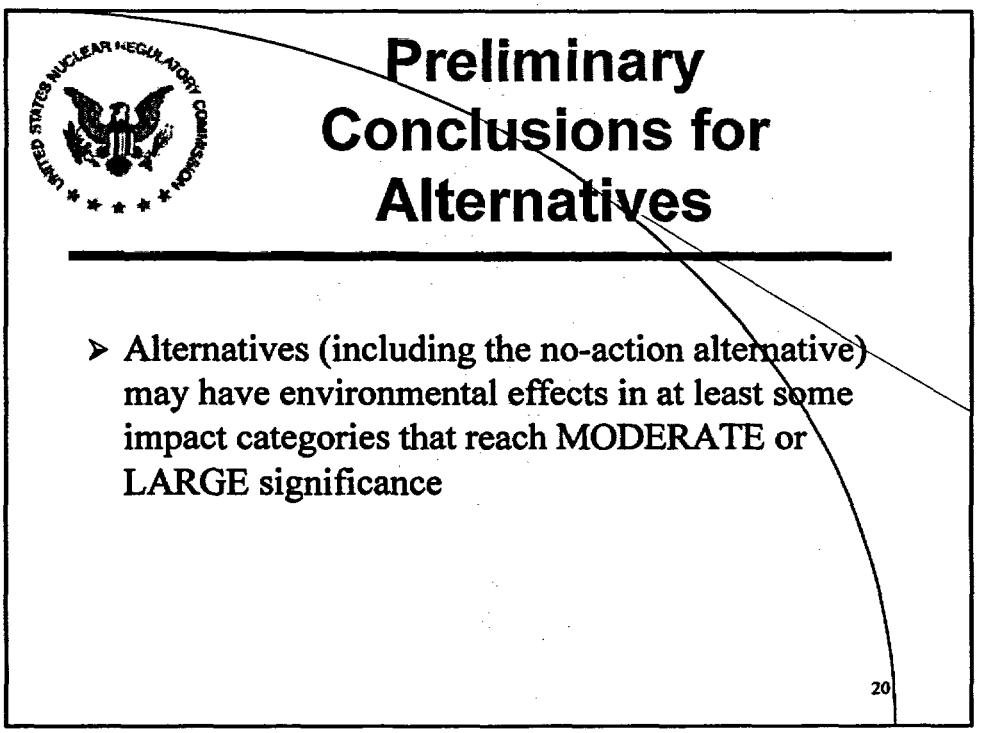

Radiological Impacts
Category 1 issues - exposures to the public and to workers
Preliminary findings
No new and significant information identified
GEIS concluded impacts are SMALL
15

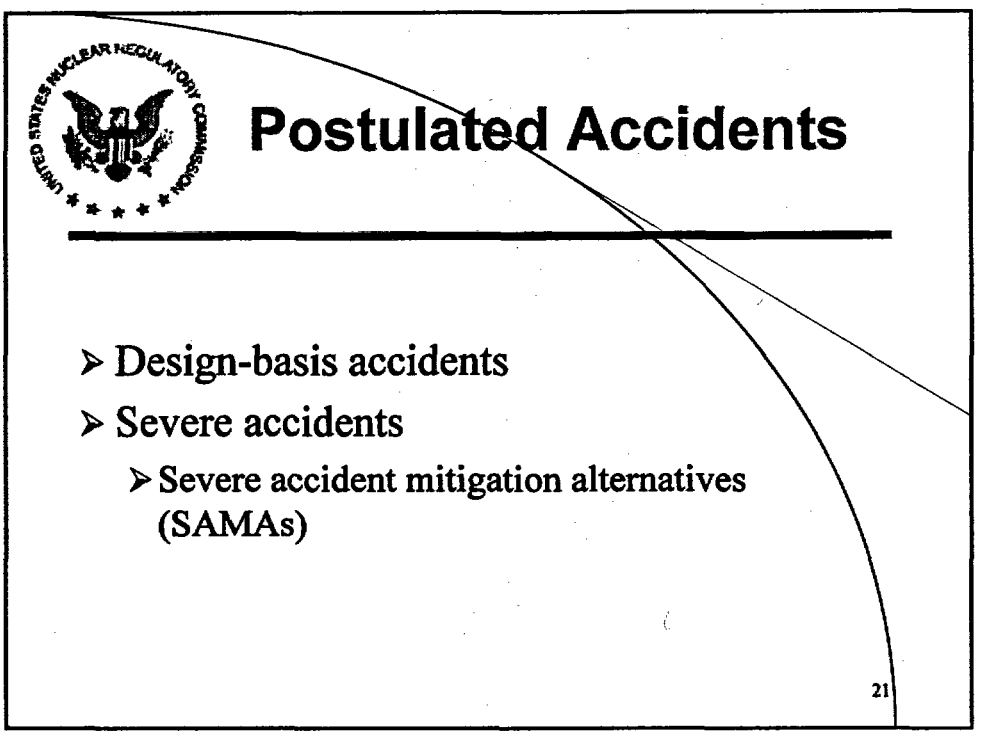

Potential New and Significant Information
No new and significant information identified:
as a result of the scoping process
by the licensee
by the staff
GEIS Category 1 conclusions not affected by presence of shoreline revetment
16

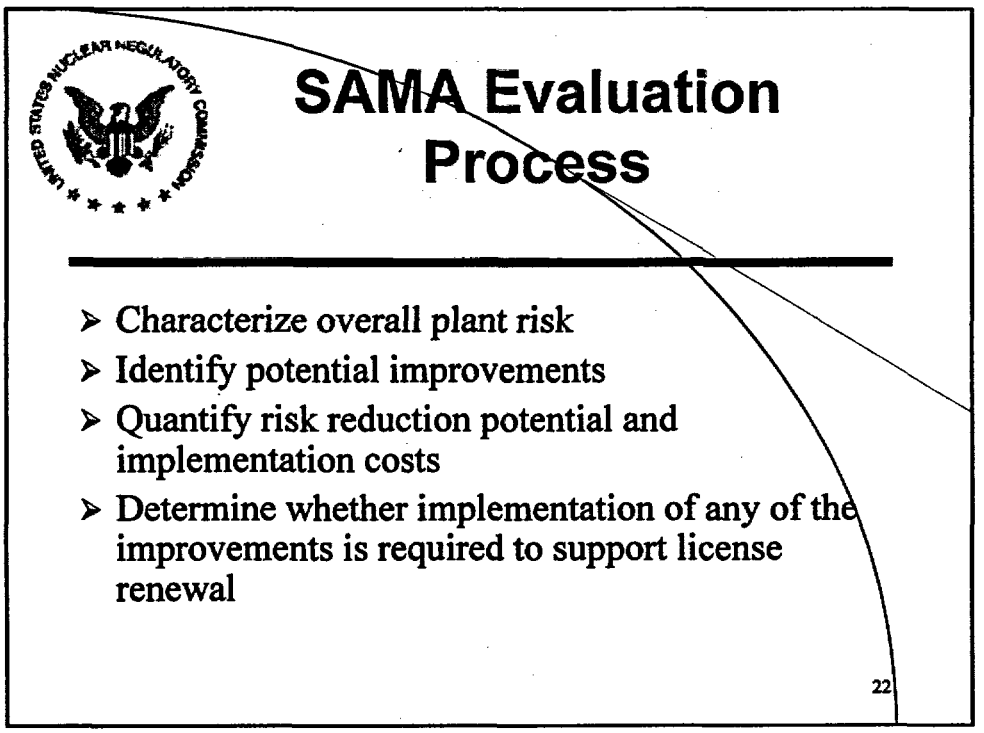

Cumulative Impacts of Operation
Considered impacts of renewal term operations combined with other past, present, and reasonably foreseeable future actions
evaluated to end of 20-year renewal term
geographic boundaries dependent on resource
No significant cumulative impacts
17

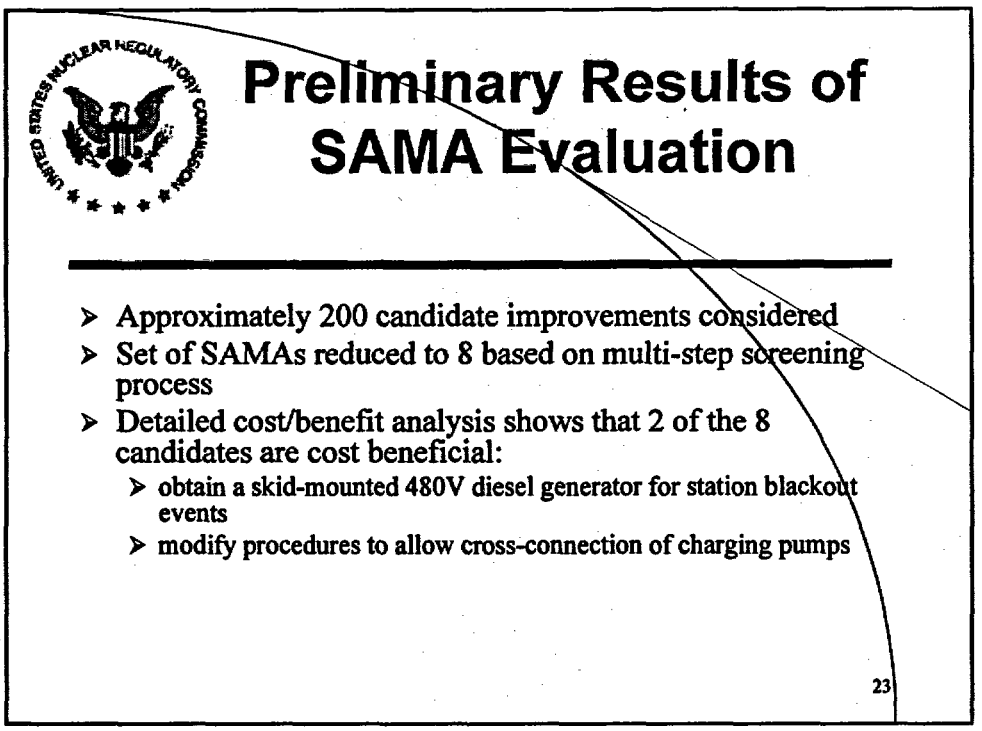

Other Environmental Impacts Evaluated
Uranium Fuel Cycle and Solid Waste Management
Decommissioning
18


Alternatives
No-action
Alternative energy sources
New generation (Coal, Natural Gas, Nuclear)
Purchased electrical power
Other alternatives (Oil, Wind, Solar, Conservation)
Combination of alternatives
19


Preliminary Conclusions for Alternatives
Alternatives (including the no-action alternative) may have environmental effects in at least some impact categories that reach MODERATE or LARGE significance
20


Postulated Accidents
Design-basis accidents
Severe accidents
Severe accident mitigation alternatives (SAMAs)
21


SAMA Evaluation Process
Characterize overall plant risk
Identify potential improvements
Quantify risk reduction potential and implementation costs
Determine whether implementation of any of the improvements is required to support license renewal
22


Preliminary Results of SAMA Evaluation
Approximately 200 candidate improvements considered
Set of SAMAs reduced to 8 based on multi-step screening process
Detailed cost/benefit analysis shows that 2 of the 8 candidates are cost beneficial:
obtain a skid-mounted 480V diesel generator for station blackout events
modify procedures to allow cross-connection of charging pumps
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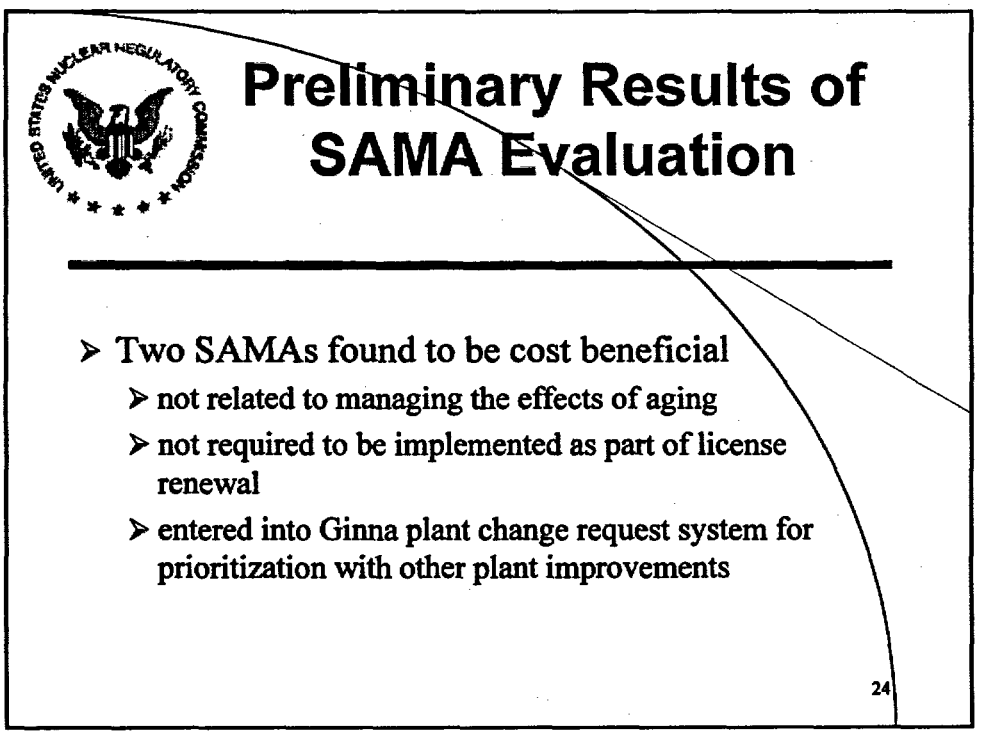
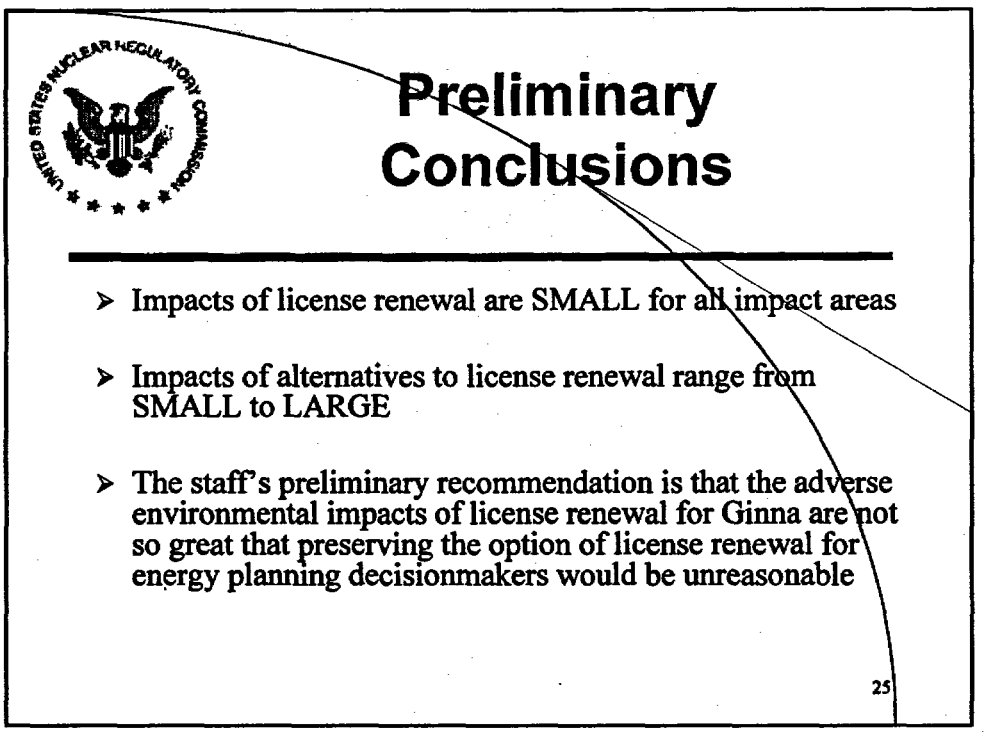

Preliminary Results of SAMA Evaluation
Two SAMAs found to be cost beneficial
not related to managing the effects of aging
not required to be implemented as part of license renewal
entered into Ginna plant change request system for prioritization with other plant improvements
24


Preliminary Conclusions
Impacts of license renewal are SMALL for all impact areas
Impacts of alternatives to license renewal range from SMALL to LARGE
The staff's preliminary recommendation is that the adverse environmental impacts of license renewal for Ginna are not so great that preserving the option of license renewal for energy planning decisionmakers would be unreasonable
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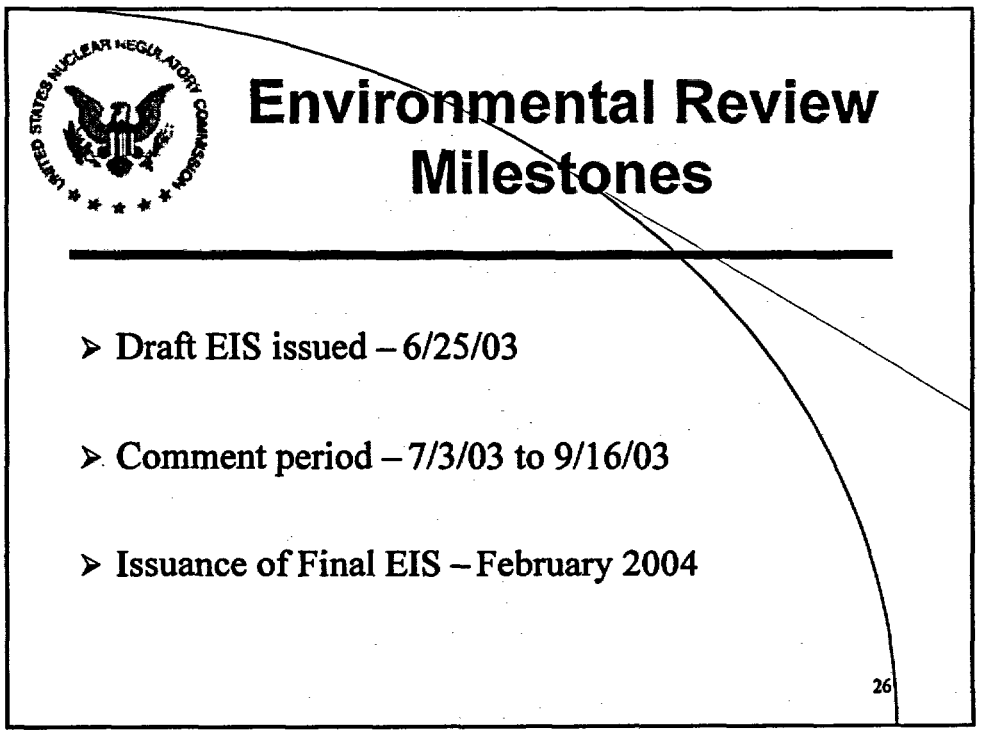
Environmental Review Milestones
Draft EIS issued – 6/25/03
Comment period – 7/3/03 to 9/16/03
Issuance of Final EIS – February 2004
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Point of Contact and Reference Documents

- Agency point of contact:
  Robert Schaaf
  (800) 368-5642, Ext. 1312
- Documents located at the Ontario Public Library, 1850 Ridge Road, Ontario, New York, and the Rochester Public Library, 115 South Street, Rochester, New York
- Draft SEIS can also be viewed at the NRC's Web site (www.nrc.gov) at: www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1437/supplement14/

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Submitting Comments

- By mail at: Chief, Rules and Directives Branch
  Division of Administrative Services
  Mailstop T-6D59
  U.S. Nuclear Regulatory Commission
- In person at: 11545 Rockville Pike
  Rockville, Maryland
- E-mail at: GinnaEIS@nrc.gov

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UNITED STATES NUCLEAR REGULATORY COMMISSION