

Preliminary Site-Specific Results of the License Renewal Environmental Review For Crystal River Unit 3



June 28, 2011

Meeting Overview

- NRC presentation (25 minutes)
 - Brief project background
 - Summary of environmental review
 - Upcoming milestones
 - How to submit comments after this meeting
- Your comments (remaining time)

NRC's Regulatory Oversight

- NRC regulates civilian use of nuclear materials, including power plants
- NRC's mission:
 - Protect public health and safety
 - Promote common defense and security
 - Protect the environment

Containment Delamination

- Discovered in October 2009 while shut down for steam generator replacement
- Plant still shut down
- Progress Energy announced intention to repair yesterday
- NRC actions:
 - Current operating issue
 - Requested additional info for safety review
 - Final SEIS issue date TBD

Nuclear Accident in Japan

- Earthquake and tsunami on March 11, 2011, led to a nuclear accident at the Fukushima Daiichi site
- NRC conducting assessment
 - <http://www.nrc.gov/japan/japan-info.html>
- Severe Accident Mitigation Alternatives discussed in Appendix F

Environmental Review

- Draft Supplemental Environmental Impact Statement (SEIS) addresses site-specific issues
- Generic Environmental Impact Statement addresses issues common to many or all plants
- Review proposed action (license renewal) and alternatives

Environmental Issues of Continued Operation

Issues	Section	Impact
Air Quality	4.2	SMALL
Groundwater	4.3	SMALL
Surface Water	4.4	SMALL
Aquatic Resources	4.5	SMALL to MODERATE
Terrestrial Resources	4.6	SMALL
Human Health	4.8	SMALL
Socioeconomics	4.9	SMALL
Waste Management	Ch 6	SMALL

Cumulative Impacts

- Overall impacts to environment including past, present, and likely future actions
- Preliminary findings
 - SMALL to MODERATE cumulative impacts on water resources
 - MODERATE cumulative impacts on aquatic resources
 - MODERATE cumulative impacts on terrestrial resources

Cumulative Impacts (cont'd)

- Preliminary findings (continued)
 - MODERATE to LARGE cumulative socioeconomic impacts
 - MODERATE cumulative impacts on air quality
 - SMALL cumulative impacts in other areas.

Alternatives

- Alternative energy sources
 - Natural gas
 - Coal
 - Combinations of alternatives
(natural gas and conservation/efficiency)
- No action – Crystal River Unit 3 shut down without further action or replacement

Preliminary Conclusion

The adverse environmental impacts of license renewal for Crystal River Unit 3 are not great enough to deny the option of license renewal for energy-planning decisionmakers.

Crystal River Unit 3

Environmental Review Milestones

Application Submitted	December 18, 2008
Notice of Intent	March 30, 2009
Scoping Public Meeting	April 16, 2009
Scoping Period Ended	June 8, 2009
Scoping Summary Report	March 21, 2011
Draft SEIS	May 26, 2011
Draft SEIS Public Meeting	June 28, 2011
Draft SEIS Comments Due	July 25, 2011
Final SEIS	TBD

Additional Information

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- Safety PM: **Rob Kuntz**
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- The draft SEIS can be viewed at:
 - Coastal Region Library, 8619 W Crystal St, Crystal River, FL
 - Central Ridge Library, 425 W Roosevelt Blvd, Beverly Hills, FL
 - Online:
<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1437/supplement44/>

Submitting Comments

By mail: Cindy Bladey, Chief
Rules, Announcements, and Directives Branch
Office of Administration
Mail Stop: TWB-05-B01M
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Federal rulemaking website:
<http://www.regulations.gov>
Search for: NRC-2009-0039

Comment Deadline: July 25, 2011