

Preliminary Results of the License Renewal Environmental Review For LaSalle County Station



March 22, 2016

Meeting Details

- Exelon has applied to renew the LaSalle County Station (LSCS) operating licenses.
- The NRC:
 - is reviewing that application and analyzing the environmental impacts of license renewal.
 - has documented its review in a draft environmental impact statement (DSEIS)
 - is collecting comments on the DSEIS.

Meeting Agenda

- Introduction
- NRC presentation
- Questions & Answers about the presentation materials
- Public Comments

Ground Rules

- Silence personal electronics
- Speak into a microphone
- Identify yourself and your group
- Minimize background noise

Overview and Purpose

- NRC presentation
 - NRC's regulatory role
 - Summary of environmental review
 - Upcoming milestones and how to submit comments outside this meeting
- Your comments

NRC's Regulatory Oversight

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

Environmental Review

- Generic Environmental Impact Statement (GEIS) addresses issues common to all plants
- Supplemental Environmental Impact Statement (SEIS) addresses site-specific issues for LaSalle County Station license renewal
- Review proposed action (license renewal) and alternatives

How Impacts are Defined

- NRC-defined impact levels:
 - **SMALL** - Effects are not detectable or are so minor that they will neither destabilize nor noticeably alter any important attribute of the resource.
 - **MODERATE** - Effects are sufficient to alter noticeably, but not to destabilize, important attributes of the resource.
 - **LARGE** - Effects are clearly noticeable and are sufficient to destabilize important attributes of the resource.

How Impacts are Defined

- **Special Status Species** (Endangered Species Act)
 - no effect
 - may affect but not likely to adversely affect
 - may affect and is likely to adversely affect
- **Cultural and Historic resources**
(National Historic Preservation Act)
 - effects on historic properties
- **Environmental Justice** (Executive Order 12898)
 - disproportionately high and adverse impacts

Environmental Review of LaSalle County Station

Resource Areas	Impact
Land Use & Visual Resources	SMALL
Air Quality & Noise	SMALL
Geological Environment	SMALL
Water Resources	SMALL
Terrestrial Resources	SMALL
Aquatic Resources	SMALL to MODERATE
Special Status Species and Habitats	No effect
Historic and Cultural Resources	No adverse effect
Socioeconomics	SMALL
Human Health	SMALL
Environmental Justice	No disproportionately high and adverse impacts
Waste Management	SMALL

Cumulative Impacts

- Overall impacts to environment including past, present, and reasonably foreseeable future actions
- Cumulative impacts on environment mostly small
- Impacts from continued operation of LaSalle County Station during the license renewal period would be an unnoticeable or minor contributor to cumulative impacts except for thermal impacts to gizzard and threadfin shad in the cooling pond

Alternatives

- Alternative energy sources analyzed (power replacement)
 - New nuclear
 - Coal – integrated gasification combined-cycle
 - Natural-gas combined-cycle (NGCC)
 - Combination – NGCC, wind and solar power
 - Purchased Power
- No action alternative

Preliminary Conclusion

The NRC's preliminary recommendation is that the adverse environmental impacts of license renewal for LaSalle County Station are not great enough to deny the option of license renewal for energy-planning decisionmakers

Environmental Review Milestones

Application Received	December 9, 2014
Notice of Intent	February 3, 2015
Scoping Public Meeting	March 10, 2015
Scoping Period Ended	April 6, 2015
Scoping Summary Report	July 8, 2015
Draft SEIS	February 2016
Draft SEIS Public Meeting	March 22, 2016
Draft SEIS Comments Due	April 4, 2016
Final SEIS	August 2016

Additional Information

- Environmental: **David Drucker** Safety: **Jeffrey Mitchell**
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- Draft SEIS available at: Seneca Public Library District,
210 N Main St., Seneca, IL
- <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/ls1437/>
- NRC, Region III, Office of Public Affairs
 - Victoria Mitlyng, 630-829-9662
 - Prema Chandrathil, 630-829-9663

Submitting Comments After the Meeting

- By mail: Chief, Rules, Announcements, and Directives Branch (RADB)
Division of Administrative Services
Mailstop TWFN-12-H08
U.S. NRC, Washington, D.C. 20555-0001
- In person: 11545 Rockville Pike
Rockville, Maryland
- Internet: www.regulations.gov, docket ID: NRC-2014-0268

Comments due by April 4, 2016