

# Preliminary Site-Specific Results of the License Renewal Environmental Review For Limerick Generating Station



May 23, 2013

## Purpose of Today's Meeting

- Present the results of the review
- Accept any comments you may have today
- Written comments are welcome after this meeting – Please give them to Leslie Perkins

## Meeting Ground Rules

Rich Barkley, Meeting Facilitator

- Please sign up on a speaker card if you'd like to speak and have not preregistered
- To be fair, the amount of time allotted will be limited and based on the number of speakers who sign up
- 3 speakers will be called to allow adequate time to prepare and get to the microphone
- Please silence all cell phones!

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## Meeting Ground Rules

- Please speak clearly into the microphone as your remarks are being transcribed
- Please do not interrupt the speaker or speak when not at the microphone
- Please see me if you have questions or concerns regarding the conduct of this meeting
- Thank you for your cooperation!

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## Overview

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

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## 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

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## Environmental Review

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

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## How Impacts are Quantified

- 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.

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## Site-Specific Environmental Review of Limerick License Renewal

Reviewing Areas	Impact	DSEIS Section
Land Use	SMALL	4.1
Air Quality	SMALL	4.2
Geological Environment	SMALL	4.3
Surface Water Resources	SMALL	4.4
Groundwater Resources	SMALL	4.5
Aquatic Resources	SMALL	4.6
Terrestrial Resources	SMALL	4.7
Protected Species and Habitats	SMALL	4.8
Human Health	SMALL	4.9
Socioeconomics	SMALL	4.10

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## Cumulative Impacts

- Overall impacts to environment including past, present, and reasonable foreseeable future actions
- Preliminary findings
  - SMALL to MODERATE cumulative impacts on Aquatic resources
  - MODERATE cumulative impacts on Terrestrial resources
  - SMALL cumulative impacts in all other areas

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## Alternatives

- Alternative energy sources analyzed (power replacement)
  - Natural-gas-fired combined-cycle
  - Supercritical pulverized coal
  - New nuclear
  - Wind power
  - Purchased power
- No action alternative

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## Preliminary Conclusion

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

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## Waste Confidence Decision

- NRC Waste Confidence Decision and Rule (WCD) addresses management of spent fuel after the renewal term.
- Consistent with the Commission direction, Limerick renewed licenses will not be issued until the issues related to waste confidence are appropriately addressed.
- WCD Environmental Impact Statement is being developed by the WCD directorate, to be available in 2014.
- <http://www.nrc.gov/waste/spent-fuel-storage/wcd.html>

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## Environmental Review Milestones

Application Received	June 22, 2011
Notice of Intent	August 8, 2011
Scoping Public Meeting	September 22, 2011
Scoping Period Ended	October 28, 2011
Scoping Summary Report	March 11, 2013
Draft SEIS	April 30, 2013
Draft SEIS Public Meeting	May 23, 2013
Draft SEIS Comments Due	June 27, 2013
Final SEIS	November 2013

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## Additional Information

- Environmental PM:                      Safety Review:  
    Leslie Perkins                      Richard Plasse  
    (800) 368-5642, Ext. 2375        (800)-368-5642 Ext. 1427  
    leslie.perkins@nrc.gov            richard.plasse@nrc.gov
- The draft SEIS can be viewed at:
  - Pottstown Regional Public Library, 500 East High Street, Pottstown, PA 19464
  - Royersford Free Public Library, 200 South 4<sup>th</sup> Avenue, Royersford, PA 19468
- NRC's Web site ([www.nrc.gov](http://www.nrc.gov)):
  - <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1437/>

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## Submitting Comments After the Meeting

- By mail: Chief, Rules, Announcements, and Directives Branch (RADB)  
Division of Administrative Services  
Mailstop TWB-05-B01M, Faxes 301-492-3446  
U.S. NRC, Washington, D.C. 20555-0001
- In person: 11545 Rockville Pike  
Rockville, Maryland
- Internet: [www.regulations.gov](http://www.regulations.gov), docket ID: nrc-2011-0166

**Comments due by June 27, 2013**

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