

December 5, 2005

LICENSEE: DUKE ENERGY CORPORATION (DUKE)  
FACILITY: OCONEE NUCLEAR STATION, UNITS 1, 2, AND 3 (OCONEE)  
SUBJECT: SUMMARY OF NOVEMBER 1, 2005, MEETING TO DISCUSS PROPOSED  
PART 50 LICENSE AMENDMENT REQUEST FOR DRY STORAGE OF  
SPENT FUEL

On November 1, 2005, the Nuclear Regulatory Commission (NRC) met with Duke to discuss the need for a license amendment request (LAR) to incorporate technical specifications into the Oconee Part 50 license (of Title 10 of the *Code of Federal Regulations* (10 CFR)) to facilitate loading and handling of Part-72-licensed casks in the spent fuel pools. Enclosure 1 is a list of the attendees. Enclosure 2 is the handouts provided by Duke during the meeting.

In its presentation, Duke described the need for an LAR based on a review of RIS 2005-05 and the dry storage systems in use at Oconee. Duke determined that its cask systems relied on a soluble boron credit to maintain subcriticality during fuel loading and handling in the moderated spent fuel pool environment. Duke determined that its spent fuel licensing basis required it to maintain fuel in a subcritical condition without a soluble boron credit. Therefore, Duke determined that it needs a license amendment to credit fuel burnup and load fuel into the dry-cask storage systems.

Duke presented the approach it is currently taking to perform the necessary criticality calculations. Duke emphasized that the criticality analysis methodologies being used to perform the evaluation are very similar to those methodologies reviewed and approved by the NRC for licensing the McGuire and Oconee spent fuel pools. Duke committed to identifying any deviations from the previously approved methodologies and providing a technical basis in the LAR. In addition, Duke indicated that its criticality analyses will address all current and previously loaded spent fuel canisters and will conform to current NRC expectations for soluble boron credit under 10 CFR Part 50.

Duke is planning to provide the LAR by March 1, 2006, and is requesting NRC approval by June 1, 2006. The NRC staff was able to identify a number of minor issues that Duke plans to

Duke

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address up front in the LAR to minimize the need for additional staff review time and requests for additional information. The NRC indicated that if Duke follows the guidance provided during the meeting, the requested approval date could likely be achieved.

*/RA/*

Leonard N. Olshan, Senior Project Manager  
Plant Licensing Branch II-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-269, 50-270, and 50-287

Enclosures: 1. List of Attendees  
2. Licensee's Handout

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for additional information. The NRC indicated that if Duke follows the guidance provided during the meeting, the requested approval date could likely be achieved.

**/RA/**

Leonard N. Olshan, Senior Project Manager  
Plant Licensing Branch II-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

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Package: ML053250224

Enclosure 2: ML053250237

Meeting Summary: ML053130120

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NRC-001

OFFICE	NRR/LPL2-1/PM	NRR/LPL2-1/LA	NRR/LPL2-1/BC
NAME	LOlshan: BT	MO'Brien	EMarinos
DATE	12/2/05	12/2/05	12/5/05

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LIST OF ATTENDEES

MEETING WITH DUKE ENERGY CORPORATION (DUKE)

TO DISCUSS PROPOSED LICENSE AMENDMENT REQUEST FOR

DRY STORAGE AT OCONEE NUCLEAR STATION, UNITS 1, 2 AND 3

NOVEMBER 1, 2005

NRC

R. Taylor  
C. Withee  
M. Rahimi  
L. Olshan

DUKE

S. Newman  
G. Walden  
S. Nesbit  
J. Coletta  
W. Murphy

Oconee Nuclear Station, Units 1, 2, and 3

cc:

Ms. Lisa F. Vaughn  
Duke Energy Corporation  
526 South Church Street  
P. O. Box 1006  
Mail Code = EC07H  
Charlotte, North Carolina 28201-1006

Manager, LIS  
NUS Corporation  
2650 McCormick Dr., 3rd Floor  
Clearwater, FL 34619-1035

Senior Resident Inspector  
U.S. Nuclear Regulatory Commission  
7812B Rochester Highway  
Seneca, SC 29672

Mr. Henry Porter, Director  
Division of Radioactive Waste Management  
Bureau of Land and Waste Management  
Dept. of Health and Env. Control  
2600 Bull St.  
Columbia, SC 29201-1708

Mr. Michael A. Schoppman  
Framatome ANP  
1911 North Ft. Myer Dr.  
Suite 705  
Rosslyn, VA 22209

Mr. B. G. Davenport  
Regulatory Compliance Manager  
Oconee Nuclear Site  
Duke Energy Corporation  
ON03RC  
7800 Rochester Highway  
Seneca, SC 29672

Mr. R. L. Gill, Jr.  
Manager - Nuclear Regulatory  
Issues and Industry Affairs  
Duke Energy Corporation  
526 S. Church St.  
Mail Stop EC05P  
Charlotte, NC 28202

Division of Radiation Protection  
NC Dept of Environment, Health, & Natural  
Resources  
3825 Barrett Dr.  
Raleigh, NC 27609-7721

Mr. Peter R. Harden, IV  
VP-Customer Relations and Sales  
Westinghouse Electric Company  
6000 Fairview Road  
12th Floor  
Charlotte, NC 28210

Mr. Henry Barron  
Group Vice President, Nuclear Generation  
and Chief Nuclear Officer  
P.O. Box 1006-EC07H  
Charlotte, NC 28201-1006

Mr. Ronald A. Jones  
Vice President, Oconee Site  
Duke Energy Corporation  
7800 Rochester Highway  
Seneca, SC 29672

Ms. Karen E. Long  
Assistant Attorney General  
NC Department of Justice  
P.O. Box 629  
Raleigh, NC 27602