

September 21, 2006

MEMORANDUM TO: William H. Ruland, Director
Licensing and Inspection Directorate
Spent Fuel Project Office, NMSS

FROM: James R. Hall, Senior Project Manager /RA/
Licensing Section
Spent Fuel Project Office, NMSS

SUBJECT: SUMMARY OF THE SEPTEMBER 12, 2006, MEETING WITH DUKE
POWER TO DISCUSS OCONEE ISFSI LICENSE RENEWAL

On September 12, 2006, staff from the U.S. Nuclear Regulatory Commission's (NRC) Spent Fuel Project Office (SFPO) met with representatives from Duke Power Company (DPC) to discuss the licensee's plans to submit a license renewal application for the Oconee independent spent fuel storage installation (ISFSI). The Oconee ISFSI uses the Standardized NUHOMS dry cask storage system. Approximately 40 horizontal storage modules have been loaded under the licensee's 10 CFR Part 72 site-specific license, issued by NRC in January 1990, to expire in 2010. Duke also operates part of its ISFSI at Oconee under the general license (GL) provisions of 10 CFR Part 72, but the initial loading of storage modules under the GL did not commence until 1999. DPC indicated that its planned application will focus only on the renewal of the site-specific license.

DPC stated that it had closely followed the NRC review of the Surry and H. B. Robinson ISFSI license renewals, which were approved in early 2005. DPC intends to apply the same preliminary renewal guidance provided by NRC staff to those licensees. SFPO staff indicated that we are currently incorporating that guidance into a formal Standard Review Plan, a draft of which may be available for comment in early 2007. SFPO staff identified other reference documents for the licensee to consider in preparing its application, including SFPO Interim Staff Guidance 15, "Materials Evaluation," and "Standard Guide for Evaluation of Materials Used in Extended Storage of Interim Spent Nuclear Fuel Dry Storage Systems," American Society for Testing and Materials, ASTM C1562-03, March 2003. SFPO indicated that the focus of the renewal review is to ensure that the ISFSI components and materials that are important to safety will continue to perform their intended functions throughout the renewal period. The renewal application should describe how that determination will be made. The staff pointed out that the previous ISFSI renewal applications employed a combination of analysis, aging management and maintenance programs, and sample inspection activities.

DPC also indicated its intention to request an exemption to allow the ISFSI renewal period to be extended beyond 20 years, but has not decided on the length of the extended term. The licensee expects to store fuel in the ISFSI for several years beyond final shutdown of the three reactors (the operating licenses have been renewed through 2034), and stated that the fuel in dry storage would likely be the last fuel shipped offsite. SFPO staff indicated that Surry and Robinson justified a 40-year renewal period for their requested exemptions, but DPC could ask for something other than 40 years, with an appropriate technical basis for the extended renewal

term based on materials, history, and environment. Although not the focus of this meeting, the SFPO staff stated that NRC is working on a rulemaking to develop a process for renewing Certificates of Compliance and general licenses for ISFSIs. DPC plans to submit the Oconee site-specific ISFSI license renewal application, and associated exemption request, for NRC review in the 4th quarter of 2007.

No regulatory decisions were requested nor made at the meeting. A list of meeting attendees is provided as Enclosure 1. The slides presented by DPC are provided as Enclosure 2.

Docket Nos. 72-04, 50-269, 50-270, 50-287

TAC No. L24010

- Enclosures:
1. Meeting Attendees
 2. Presentation Slides

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**NRC/Duke Power Company
Meeting on Oconee ISFSI License Renewal
September 12, 2006**

List of Attendees:

<u>NAME</u>	<u>ORGANIZATION</u>
Robert Nelson	NRC/SFPO
Christopher Regan	NRC/SFPO
James R. Hall	NRC/SFPO
Geoff Hornseth	NRC/SFPO
Christopher Brown	NRC/SFPO
Steve Perrero	Oconee/Reactor Engineering
Bob Knight	Oconee/ Regulatory Compliance
Reene Gambrell	Oconee/ Regulatory Compliance
Gary Walden	Duke/General Office/Spent Fuel Management
Jack Jenkin	Duke/General Office/Spent Fuel Management
Michael Yox	Constellation Energy - CCNPP

Enclosure 2

**NRC/Duke Power Company
Meeting on Oconee ISFSI License Renewal
September 12, 2006**

Presentation Slides