

## LICENSE FOR INDEPENDENT STORAGE OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter 1, Part 72, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, and possess the power reactor spent fuel and other radioactive materials associated with spent fuel storage designated below; to use such material for the purpose(s) and at the place(s) designated below; and to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified herein.

<p style="text-align: center;">Licensee</p> <p>1 Duke Energy Carolinas, LLC</p>	<p>3. License No. SNM-2503</p> <p>Amendment No.</p>
<p>2 526 South Church Street P. O. Box 1006 Charlotte, North Carolina 28201-1006</p>	<p>4. Expiration Date January 31, 2050</p> <p>5. Docket or Reference No. 72-4</p>

<p>6 Byproduct, Source, and/or Special Nuclear Material</p>	<p>7. Chemical or Physical Form</p>	<p>8. Maximum Amount That Licensee May Possess at Any One Time Under This License</p>
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<p>A. Spent fuel assemblies from Oconee Nuclear Station Units 1, 2, and 3 reactor using natural water for cooling and enriched not greater than 4 percent U-235 and associated radioactive materials related to receipt, storage, and transfer of the fuel assemblies</p>	<p>A. As UO<sub>2</sub> clad with zirconium or zirconium alloys</p>	<p>A. 996.86 TeU of spent fuel assemblies</p>
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9. Authorized Use:

The material identified in 6.A and 7.A above is authorized for receipt, possession, storage, and transfer.

For use in accordance with the conditions in this license and the attached Technical Specifications. The basis for this license was submitted in the Safety Analysis Report (SAR) dated March 31, 1988, as supplemented August 16, September 19, October 11, and November 23, 1988; February 7, April 11, May 9, June 5, and June 8, 1989; June 29, 1990; January 10, 1991; March 9, and November 16, 1993; January 19, 1998; July 10, October 31 (2 letters), November 1 and 26, and December 10, 2001; August 5, November 28 and December 14, 2005, and February 6, 2006, March 14, 2007, and January 31, 2008.

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FUEL AND HIGH-LEVEL RADIOACTIVE WASTE  
SUPPLEMENTARY SHEET**

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72-4

10. Authorized Place of Use: The licensed material is to be received, possessed, transferred, and stored at the Oconee ISFSI located on the Oconee Nuclear Station site in Oconee County, South Carolina, as described in the Safety Analysis Report for the Oconee ISFSI.
11. The Technical Specifications contained in Appendix A attached hereto are incorporated into the license. The licensee shall operate the installation in accordance with the Technical Specifications in Appendix A.
12. The Safeguards License Condition contained in Appendix B attached hereto is hereby incorporated into the license. The licensee shall maintain a facility physical security program in accordance with this condition.
13. The Technical Specifications for Environmental Protection contained in Appendix C attached hereto are incorporated into the license. The licensee shall operate the installation in accordance with the Technical Specifications in Appendix C.
14. Pursuant to 10 CFR 72.7, the licensee is hereby exempted from the provisions of 10 CFR 72.122(i) with respect to providing instrumentation and control systems for the NUHOMS-24P dry shielded canister and horizontal storage module (DSC and HSM) during storage operations.
15. This license is effective as of the date of issuance shown below.

FOR THE NUCLEAR REGULATORY COMMISSION

/RA/

Eric Benner, Chief  
Licensing Branch  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety  
and Safeguards  
Washington, DC 20555

Date of Issuance: January 29, 1990

License Renewal dated May 29, 2009

Attachments: Appendix A  
Appendix B  
Appendix C