



Scott L. Batson
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10 CFR 72.70(b)

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July 1, 2013

Director, Office of Nuclear Material
Safety and Safeguards
U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject: Duke Energy Carolinas, LLC (Duke Energy)
Oconee Nuclear Station, Units 1, 2, and 3
Docket Nos. 72-4, 50-269, 50-270, 50-287
Independent Spent Fuel Storage Installation
Updated Final Safety Analysis Report (UFSAR)
2012 Revision

Pursuant to 10 CFR 72.70(b), enclosed is a copy of the 2012 revision to the Oconee Independent Spent Fuel Storage Installation UFSAR. The effective date of the revision is December 31, 2012.

The first part of the enclosure provides instructions for inserting this revision into existing manuals including a list of effective pages required by 10 CFR 72.70(b).

This submittal document contains no regulatory commitments.

If there are any questions, please contact Susan Perry at (864) 873-4370.

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 1st day of July, 2013.

Sincerely,


Scott L. Batson

Enclosure

NMS526
A053 / ~~NMS526~~
NRR / NMS5

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xc:

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Mr. Ed Crowe
Senior Resident Inspector
Oconee Nuclear Station

**ONS ISFSI UFSAR UPDATE
INSERTION INSTRUCTIONS**

Submittal Due Date: 6/30/13

Effective Date: 12/31/12

1. Replace List of Effective Pages (LOEP) for Tables and Figures with the 2012 LOEP Update.
2. Replace entire text portions (including the Table of Contents, List of Tables, List of Figures and List of Abbreviations) with the updated text portion.
3. Update Tables and Figures according to the following instructions

NOTE: No Tables or Figures were updated on this revision.

OCONEE ISFSI UFSAR - 2012 UPDATE

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The purpose of this list is to assure that the pages in the Tables and Figures section of your manual match the most recent issue, as well as to show a full accounting of all tables and figures, including those that have been deleted. The earliest effective date, 12/31/07, was used when all tables and figures were re-issued.

Effective Date	Table No.	Table Title
12/31/07	A-1	Design Parameters for the Oconee ISFSI
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12/31/07	A-10	Physical Characteristics of PWR Fuel Assemblies Based on Nominal Design
12/31/07	A-11	Transfer Cask Stress Analysis for Tornado Effects
12/31/07	A-12	Oconee ISFSI Major Components and Functions
12/31/07	A-13	Oconee ISFSI Radioactive Material Confinement Barriers
12/31/07	A-14	Oconee ISFSI Major Components and Design Requirements
12/31/07	A-15	ONS ISFSI Project Transfer Trailer Design Parameters
12/31/07	A-16	Oconee ISFSI Major Components and Classification
12/31/07	A-17	Gamma Energy Spectrum
12/31/07	A-18	Shielding Analysis Results (Pages 1-2)
12/31/07	A-19	Summary of Estimated On-site Doses Resulting from ISFSI Operation (Per DSC Transfer to HSM) (Pages 1-2)
12/31/07	A-20	Dose Estimate for Construction of Additional Horizontal Storage Modules Based on Labor Estimates for 2 X 10 Array
12/31/07	A-21	Neutron and Gamma Energy Spectrum
12/31/07	A-22	Comparison of Total Dose Rates for HSM With and Without Air Outlet Shielding Blocks
12/31/07	A-23	Cask Drop Target Parameters

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12/31/07	B-1	Location of ISFSI
12/31/07	B-2	General Location
12/31/07	B-3	Site Plan
12/31/07	B-4	ISFSI Layout
12/31/07	B-5	Topography Within 5 Miles
12/31/07	B-6	Relative Positions of Meteorological Instruments
12/31/07	B-7	Relative Elevation of Meteorological Instruments
12/31/07	B-8	Areal Groundwater Survey
12/31/07	B-9	Groundwater Survey at Station Site
12/31/07	B-10	Well Permeameter Test Apparatus
12/31/07	B-11	Formulae for Determining Permeability
12/31/07	B-12	General Site Area
12/31/07	B-13	Site Boring Plan
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12/31/07	B-15	Core Boring Record (Pages 1-2)
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12/31/07	B-26	Core Boring Record (Pages 1-2)
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12/31/07	B-28	ISFSI Foundation Profile
12/31/07	B-29	Site Layout and Route
12/31/07	B-30	Site Plan
12/31/07	B-31	Transfer Cask Lifting Yoke
12/31/07	B-32	Transfer Cask Lift Extension
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12/31/07	B-42	Location of Dose Rates
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12/31/07	B-46	Radiation Zone Map of Modules Surface Dose Rates
	B-47	Deleted Per 1991 Update
12/31/07	B-48	Fuel Assembly Burnup Requirements

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