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**REFERENCE
CATAWBA NUCLEAR STATION
2009 UFSAR UPDATE**

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REMARKS:

J R MORRIS
VICE PRESIDENT
CATAWBA NUCLEAR STATION

BY:
P BARRETT CN01SR PB/RBE

October 14, 2009

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Subject: Duke Energy Corporation
Catawba Nuclear Station
Docket No. 50-413 and 50-414
2009 UFSAR Update

Attached is one CD-ROM containing one copy of the Catawba Nuclear Station 2009 Updated Final Safety Analysis Report. The effective date of the changes provided by this submittal is April 18, 2009. This UFSAR Update is provided pursuant to the requirements of 10CFR50.71 (e). The CD-ROM is provided based on the guidance found in NRC Regulatory Issue Summary (RIS) 2001-05, "Guidance on Submitting Documents to the NRC by Electronic Information Exchange or on CD-ROM." RIS 2001-05 waives the requirement that licensees receive case-by-case approval required by 10CFR50.4 for submittal by electronic information exchange (EIE) or by CD-ROM. The RIS also waives the requirement that multiple copies of paper or electronic documents be submitted to the NRC.

Attachment 1 is a list of effective dates for UFSAR tables and figures. Attachment 2 is a list which summarizes information removed from the UFSAR in this revision. These lists are required to be furnished as a part of each UFSAR Update.

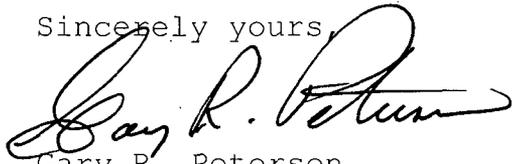
There have been no UFSAR changes made per 10CFR50.59 that have not been previously reported to the Commission [reference the Catawba Nuclear Station 10CFR50.59 Annual Summary Reports dated March 31, 2008 (which includes all changes made per 10CFR50.59 from January 1, 2007 to December 31, 2007) and March 31, 2009 (which includes all changes made per 10CFR50.59 from January 1, 2008 through December 31, 2008)].

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I certify that I am a duly authorized officer of Duke Energy Corporation, and that the information contained herein accurately represents changes made to the Catawba Nuclear Station UFSAR since the previous submittal, necessary to reflect information and analyses submitted to the Commission or prepared pursuant to Commission requirement.

There are no commitments associated with the submittal of the Catawba Nuclear Station 2009 UFSAR Update. If there are any questions concerning this submittal, please contact P. W. Barrett at (803)701-4138.

Sincerely yours,



Gary R. Peterson

Attachments

AFFIDAVIT

Gary R. Peterson, being duly sworn, states that he is Vice President of Duke Energy Corporation; that he is authorized on the part of the said corporation to sign and file with the Nuclear Regulatory Commission this Updated Final Safety Analysis Report for Catawba Nuclear Station; and that all statements and matters set forth herein are true and correct to the best of his knowledge.



Gary R. Peterson, Vice President

Subscribed and sworn to me: 10/14/09
Date

Notary Public: Anthony P. Jackson

My Commission Expires: 7/2/2014
Date

ANTHONY P. JACKSON
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ATTACHMENT 1

**LIST OF EFFECTIVE DATES
FOR
UFSAR TABLES AND FIGURES**

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Revised to Include the 2009 Update (Revision 14)

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10/22/01	15-306. LBLOCA Entrained Liquid Mass Flowrate at Blowdown PCT Location
10/22/01	15-307. LBLOCA Accumulator Discharge Flowrate
10/22/01	15-308. LBLOCA Pumped Safety Injection
10/22/01	15-309. LBLOCA Collapsed Liquid Level in the Lower Plenum
10/22/01	15-310. LBLOCA Collapsed Liquid Level in Hot Assembly
10/22/01	15-311. LBLOCA Collapsed Liquid Level in Downcomer
10/22/01	15-312. Best-Estimate LBLOCA PBOT/PMID Operating Limits
10/22/01	15-313. LBLOCA Axial Power Distribution for Reference Transient
11/15/07	15-314. McGuire Unit 1 4-Inch Pressurizer Pressure
11/15/07	15-315. McGuire Unit 1 4-Inch Core Mixture Level
11/15/07	15-316. McGuire Unit 1 4-Inch Core Exit Vapor Temperature
11/15/07	15-317. McGuire Unit 1 4-Inch Break Vapor Flow
11/15/07	15-318. McGuire Unit 1 4-Inch Break Liquid Flow
11/15/07	15-319. McGuire Unit 1 4-Inch Peak Clad Temperature

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11/15/07	15-320. McGuire Unit 1 4-Inch Hot Spot Fluid Temperature
11/15/07	15-321. McGuire Unit 1 3-Inch Pressurizer Pressure
11/15/07	15-322. McGuire Unit 1 3-Inch Core Mixture Level
11/15/07	15-323. McGuire Unit 1 3-Inch Peak Clad Temperature
11/15/07	15-324. McGuire Unit 1 6-Inch Pressurizer Pressure
11/15/07	15-325. McGuire Unit 1 6-Inch Core Mixture Level
11/15/07	15-326. McGuire Unit 1 6-Inch Peak Clad Temperature
11/15/07	5-327. Catawba Unit 1 4-Inch Pressurizer Pressure
11/15/07	15-328. Catawba Unit 1 4-Inch Core Mixture Level
11/15/07	15-329. Catawba Unit 1 4-Inch Peak Clad Temperature

Chapter 16 Figures

No figures

Chapter 17 Figures

No Figures

Chapter 18 Figures

No Figures

ATTACHMENT 2

**SUMMARY OF INFORMATION REMOVED
FROM REVISION 14 OF THE UFSAR**

Catawba UFSAR 2009 Update

List of Items Removed

UFSAR Figure 2-33:

Plant modification CN-50500 revised the yard area grade and the PMP flood analysis resulting in this table being deleted.

UFSAR Table 5-40:

Note 5 of Table 5-40 was deleted as the result of the review completed by the Hukari Completeness Review Team.

UFSAR Section 7.3.1.2.2:

Item 2c of this section was deleted as this variable (NC System Tavg) is not monitored for automatic initiation of SI.

UFSAR Section 7.3.2.2.5:

Deleted "Time Required for Testing" paragraph. Tech Spec contains the required test times and out of service times.

UFSAR Section 7.3.2.2.5:

Excessive detail information was deleted concerning what is included in typical maintenance procedures.

UFSAR Section 8.3.1.1.2.1:

Removed details of Load Sequencer from this section (4160 VAC Essential Power System) and relocated to 8.3.1.1.3.6 (Load Shedding and Sequencing).

UFSAR Table 10-12:

Table 10-12, Maximum Allowance Blowdown Flowrate, is unnecessary as the Unit 1 blowdown is no longer a function of load. Unit 1 and 2 blowdown rates relocated to UFSAR Section 10.4.8.2.

UFSAR Section 13.1.3.1:

Deleted Regulatory Compliance Manager and attendant qualifications as this job description is not included in ANSI N18.1, which is the standard used to describe job qualifications.

UFSAR Section 15.0:

CASMO-3 and SIMULATE-3P are obsolete and no longer used. References to these programs have been deleted.

UFSAR Section 18.2.1.3:

Removed paragraph discussing circumferential cracking as this is no longer applicable.