UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303-8931

May 4, 2009

Mr. J. R. Morris
Site Vice President
Duke Power Company, LLC
d/b/a Duke Energy Carolinas, LLC
Catawba Nuclear Station
4800 Concord Road
York, SC 29745-9635

SUBJECT: CATAWBA NUCLEAR STATION - COMPONENT DESIGN BASES INSPECTION - NRC INSPECTION REPORT 05000413/2009006 AND 05000414/2009006

Dear Mr. Morris:

The purpose of this letter is to notify you that the U.S. Nuclear Regulatory Commission (NRC) Region II staff will conduct a component design bases inspection at your Catawba Nuclear Station during the period of July 6 – August 28, 2009. The inspection team will be led by W. R. Lewis, a Senior Reactor Inspector from the NRC's Region II Office. This inspection will be conducted in accordance with the baseline inspection procedure, Procedure 71111.21, Component Design Bases Inspection, issued August 19, 2008.

The inspection will evaluate the capability of risk significant / low margin components to function as designed and to support proper system operation. The inspection will also include a review of selected operator actions, operating experience, and modifications.

During a telephone conversation on April 27, 2009, Mr. Lewis confirmed, with Mr. Mark Sawicki of your staff, arrangements for an information gathering site visit and the three-week onsite inspection. The schedule is as follows:

- Information gathering visit: Week of July 6 – 10, 2009.
- Onsite weeks: Weeks of July 27 – 31, August 10 – 14, and August 24 – 28, 2009.

The purpose of the information gathering visit is to meet with members of your staff to identify risk-significant components and operator actions. Information and documentation needed to support the inspection will also be identified and gathered or requested. Mr. G. MacDonald, a Region II Senior Reactor Analyst, may accompany Mr. Lewis during the information gathering visit to review probabilistic risk assessment data and identify risk significant components which will be examined during the inspection.

The enclosure lists documents that will be needed prior to the information gathering visit. Please contact Mr. Lewis with any questions prior to preparing materials listed in the enclosure and provide the referenced information to the Region II office by June 19, 2009. The inspectors will try to minimize your administrative burden by specifically identifying only those documents required for the inspection preparation.

During the information gathering visit, the team leader will also discuss the following inspection support administrative details: office space; site, plant and information system access; required resources; and information exchange protocol.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at http://www.nrc.gov/reading-rm/adams.html (the Public Electronic Reading Room).

Thank you for your cooperation in this matter. If you have any questions regarding the information requested or the inspection, please contact Mr. Lewis at (404) 562-4541 or me at (404) 562-4519.

Sincerely,

/RA/

Binoy B. Desai, Chief
Engineering Branch 1
Division of Reactor Safety

Docket Nos.: 50-413, 50-414, 72-045
License Nos.: NPF-35, NPF-52

Enclosure: Information Request For Catawba Nuclear Station Component Design Bases Inspection

cc w/encl: (See page 3)

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cc w/encl: (See page 3)

X PUBLICLY AVAILABLE ☐ NON-PUBLICLY AVAILABLE ☐ SENSITIVE X NON-SENSITIVE

ADAMS: X Yes ACCESSION NUMBER:_____ X SUNSI REVIEW COMPLETE

OFFICE	RII:DRS	RII:DRS					
SIGNATURE							
NAME	W.R. Lewis	B. Desai					
DATE	04/ /2009	04/ /2009					
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: S:\DRS\ENG BRANCH 1\BRANCH INSPECTION FILES\CDBI INSPECTIONS\CDBI INSPECTIONS\NOTIFICATION LETTERS\CATAWBA 2009006 NL (WRL).DOC

cc w/encls:
Randy D. Hart
Regulatory Compliance Manager
Duke Power Company, LLC d/b/a Duke
Energy Carolinas, LLC
Electronic Mail Distribution

R. L. Gill, Jr.
Manager
Nuclear Regulatory Issues & Industry Affairs
Duke Power Company, LLC d/b/a Duke
Energy Carolinas, LLC
Electronic Mail Distribution

Dhiaa M. Jamil
Group Executive and Chief Nuclear Officer
Duke Energy Carolinas, LLC
Electronic Mail Distribution

Kathryn B. Nolan
Senior Counsel
Duke Energy Corporation
526 South Church Street-EC07H
Charlotte, NC 28202

Lisa F. Vaughn
Associate General Counsel
Duke Energy Corporation
526 South Church Street-EC07H
Charlotte, NC 28202

Senior Resident Inspector
Duke Energy Corporation
Catawba Nuclear Station
U.S. NRC
4830 Concord Road
York, SC 29745

David A. Repka
Winston Strawn LLP
Electronic Mail Distribution

North Carolina MPA-1
Suite 600
P.O. Box 29513
Raleigh, NC 27525-0513

Susan E. Jenkins
Director, Division of Waste Management
Bureau of Land and Waste Management
S.C. Department of Health and
Environmental Control
Electronic Mail Distribution

R. Mike Gandy
Division of Radioactive Waste Mgmt.
S.C. Department of Health and
Environmental Control
Electronic Mail Distribution

Beverly O. Hall
Chief, Radiation Protection Section
Department of Environmental Health
N.C. Department of Environmental
Commerce & Natural Resources
Electronic Mail Distribution

Elizabeth McMahon
Assistant Attorney General
S.C. Attorney General's Office
P.O. Box 11549
Columbia, SC 29211

Vanessa Quinn
Federal Emergency Management Agency
500 C Street, SW
Room 840
Washington, DC 20472

Steve Weatherman, Operations Analyst
North Carolina Electric Membership
Corporation
Electronic Mail Distribution

County Manager of York County
York County Courthouse
York, SC 29745

Piedmont Municipal Power Agency
Electronic Mail Distribution

Peggy Force
Assistant Attorney General
State of North Carolina
P.O. Box 629
Raleigh, NC 27602

Letter to J. R. Morris from Binoy B. Desai, dated May 4, 2009.

SUBJECT: CATAWBA NUCLEAR STATION - COMPONENT DESIGN BASES INSPECTION - NRC INSPECTION REPORT 05000413/2009006 AND 05000414/2009006

Distribution w/encl:
Jon Thompson, NRR
PUBLIC
RidsNrrPMCatawba Resource
Institute of Nuclear Power Operations (INPO)

INFORMATION REQUEST FOR CATAWBA NUCLEAR STATION
COMPONENT DESIGN BASES INSPECTION

Please provide the information electronically in ".pdf" files, Excel, or other searchable format on CDROM. The CDROM should be indexed and possibly hyperlinked to facilitate ease of use. Information in "lists" should contain enough information to be easily understood to someone who has knowledge of pressurized water reactor technology.

1. From your most recent probabilistic safety analysis (PSA) **excluding** external events and fires, please provide:

   a. Two risk rankings of components from your site-specific probabilistic safety analysis (PSA) – one sorted by Risk Achievement Worth (RAW), and the other sorted by Birnbaum Importance.
   b. A list of the top 500 cutsets.

2. From your most recent probabilistic safety analysis (PSA) **including** external events and fires, please provide:

   a. Two risk rankings of components from your site-specific probabilistic safety analysis (PSA) – one sorted by Risk Achievement Worth (RAW), and the other sorted by Birnbaum Importance.
   b. A list of the top 500 cutsets.

3. Risk ranking of operator actions from your site specific PSA sorted by RAW. Provide copies of your human reliability worksheets for these items.

4. Any pre-existing evaluation or list of components and calculations with low design margins (i.e., pumps closest to the design limit for flow or pressure, diesel generator close to design required output, heat exchangers close to rated design heat removal, MOV risk-margin rankings, etc.).

5. A list of station applicability evaluations/reviews performed and documented in the station corrective action program in the past two years for industry events, critical equipment failures, and safety related equipment vulnerabilities (as communicated by NRC generic communications, industry communications, 10 CFR Part 21 notifications, etc.).

6. A list of operability evaluations completed within the last two years, sorted by associated component or system.

7. A list of **common-cause failures** of components that have occurred at Catawba Nuclear Station and have been identified within the last five years.

8. A list of equipment currently planned for upgrade/improvement by the site (e.g. "ONE" List), including a description of the reason(s) why each **component** (i.e. not a programmatic or system level concern) is on that list and summaries (if available) of your plans to address those reasons.

9. A list of equipment currently in RIS 05-020 (formerly GL 91-18) status, or in MR (a)(1) status.

10. Contact information for a person to discuss PRA information prior to the information gathering trip: name, title, phone number, and e-mail address.