



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION II  
245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

May 9, 2011

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

**SUBJECT: ASSESSMENT FOLLOW-UP LETTER FOR CATAWBA NUCLEAR STATION  
UNIT 1**

Dear Mr. Morris:

As a result of its quarterly review of plant performance, which was completed on April 30, 2011, the NRC updated its assessment of Catawba Nuclear Station Unit 1. The NRC's evaluation consisted of a review of performance indicators and inspection results. This letter informs you of the NRC's assessment and our plans for a future inspection at your facility. This letter supplements, but does not supersede, the annual assessment letter issued on March 4, 2011.

The NRC's review of Catawba Unit 1 identified that the Mitigating Systems Performance Index (MSPI), Cooling Water Systems Performance Indicator has crossed the Green-to-White threshold. This was based on the unreliability and unavailability due to a breaker failure on the 1B1 component cooling water pump which occurred in March 2011. The breaker was subsequently replaced.

The NRC determined the performance at Catawba Unit 1 to be in the Regulatory Response Column of the Reactor Oversight Process Action Matrix in the first quarter of 2011. As a result of the Regulatory Response performance, a supplemental inspection will be performed in accordance with Inspection Procedure 95001, "Inspection for One or Two White Inputs in a Strategic Performance Area." The objectives of this supplemental inspection are to provide assurance that the root causes and contributing causes of risk-significant performance issues are understood, provide assurance that the extent of condition and extent of cause of risk-significant performance issues are identified, and provide assurance that your corrective actions for risk-significant performance issues are sufficient to address the root and contributing causes and prevent recurrence. We will not schedule the supplemental inspection until you notify us of your readiness for the inspection.

DEC

2

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter 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).

Please contact Jonathan Bartley at 404-997-4607 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Richard P. Croteau, Director  
Division of Reactor Projects

Docket No.: 50-413

License No.: NPF-35

cc: (See page 3)

DEC

2

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter 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).

Please contact Jonathan Bartley at 404-997-4607 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Richard P. Croteau, Director  
Division of Reactor Projects

Docket No.: 50-413

License No.: NPF-35

cc: (See page 3)

X PUBLICLY AVAILABLE       NON-PUBLICLY AVAILABLE       SENSITIVE      X NON-SENSITIVE  
ADAMS:  Yes      ACCESSION NUMBER: ML11290771       SUNSI REVIEW COMPLETE

OFFICE	RII:DRP	RII:DRP	RII:DRP				
SIGNATURE							
NAME	JBartley	BWilliams	RCroteau				
DATE	05/05/2011		05/09/2011				
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY      DOCUMENT NAME: G:\DRP\RPB1\CATAWBA\INSPECTION REPORTS\CATAWBA - ASSESSMENT FOLLOW-UP LETTER - 1Q11.DOCX

DEC

3

cc:

Division of Radiological Health  
TN Dept. of Environment & Conservation  
401 Church Street  
Nashville, TN 37243-1532

Randy D. Hart  
Regulatory Compliance Manager  
Duke Energy Carolinas, LLC  
Electronic Mail Distribution

Sandra Threatt, Manager  
Nuclear Response and Emergency  
Environmental Surveillance  
Bureau of Land and Waste Management  
Department of Health and Environmental  
Control  
Electronic Mail Distribution

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

C. Jeff Thomas  
Fleet Regulatory Compliance & Licensing  
Manager  
Duke Energy Carolinas, LLC  
Electronic Mail Distribution

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

Lara Nichols  
Associate General Counsel  
Duke Energy Corporation  
Electronic Mail Distribution

David A. Repka  
Winston Strawn LLP  
Electronic Mail Distribution

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

Richard Haynes  
Director, Division of Waste Management  
Bureau of Land and Waste Management  
S.C. Department of Health and  
Environmental Control  
Electronic Mail Distribution

Mark Yeager  
Division of Radioactive Waste Mgmt.  
S.C. Department of Health and  
Environmental Control  
Electronic Mail Distribution

W. Lee Cox, III  
Section Chief  
Radiation Protection Section  
N.C. Department of Environmental  
Commerce & Natural Resources  
Electronic Mail Distribution

Vanessa Quinn  
Federal Emergency Management Agency  
Radiological Emergency Preparedness  
Program  
1800 S. Bell Street  
Arlington, VA 20598-3025

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

County Manager of York County  
York County Courthouse  
P. O. Box 66  
York, SC 29745-0066

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

David A. Baxter  
Vice President, Nuclear Engineering  
Duke Energy Carolinas, LLC  
Electronic Mail Distribution

Piedmont Municipal Power Agency  
Electronic Mail Distribution

DEC

4

Letter to J. R. Morris from Richard P. Croteau dated May 9, 2011

SUBJECT: ASSESSMENT FOLLOW-UP LETTER FOR CATAWBA NUCLEAR STATION  
UNIT

Distribution w/encl:

C. Evans, RII

L. Douglas, RII

OE Mail

RIDSNRRDIRS

PUBLIC

RidsNrrPMCatawba Resource