



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
61 FORSYTH STREET, SW, SUITE 23T85  
ATLANTA, GEORGIA 30303-8931

August 31, 2007

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

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - CATAWBA  
NUCLEAR STATION

Dear Mr. Morris:

On August 14, 2007, the NRC staff completed its performance review of the Catawba Nuclear Station for the first half of the calendar year 2007 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results over the previous twelve months. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and the enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in Accordance with 10 CFR 2.390" will include the physical protection review and a resultant inspection plan.

Overall, both Catawba Units 1 and 2 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for Catawba Units 1 and 2 for the most recent quarter was in the Licensee Response Column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility. In addition to the ROP baseline inspections, we plan to conduct non-baseline inspections involving containment sump blockage, operator licensing examinations, and Independent Spent Fuel Storage Installation.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2009. The inspection plan is provided to minimize the resource impact on your staff and to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last twelve months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made 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).

The NRC is currently evaluating the scope and frequency of all baseline inspection procedures. If the results of the evaluation, or any other circumstances, cause us to change the inspection plan, we will contact you to discuss the change(s) as soon as possible. Please contact me at (404) 562-4647 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

James H. Moorman, III, Chief  
Reactor Projects Branch 1  
Division of Reactor Projects

Docket Nos.: 50-413, 50-414, 72-45  
License Nos.: NPF-35, NPF-52

Enclosure: Catawba Inspection/Activity Plan

cc w/encl: (See page 3)

cc w/encls:

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

George Strickland, Engineer  
Catawba Nuclear Station  
4800 Concord Road  
York, SC 29745

Kay Nicholson, Technical Specialist  
Catawba Nuclear Station  
4800 Concord Road  
York, SC 29745

Allison Jones-Young, Engineer  
Catawba Nuclear Station  
4800 Concord Road  
York, SC 29745

Anthony Jackson, Engineer  
Catawba Nuclear Station  
4800 Concord Road  
York, SC 29745

Lawrence Rudy, Engineer  
Catawba Nuclear Station  
4800 Concord Road  
York, SC 29745

Lisa F. Vaughn  
Associate General Counsel  
and Managing Attorney  
Duke Energy Corporation  
526 South Church Street-EC 07H  
Charlotte, NC 28202

Kathryn B. Nolan  
Senior Counsel  
Duke Energy Corporation  
526 South Church Street-EC 07H  
Charlotte, NC 28202

David A. Repka  
Winston & Strawn LLP  
Electronic Mail Distribution

North Carolina MPA-1  
Electronic Mail Distribution

Henry J. Porter, Asst. Director  
Div. of Radioactive Waste Mgmt.  
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

Elizabeth McMahon  
Assistant Attorney General  
S. C. Attorney General's Office  
Electronic Mail Distribution

Vanessa Quinn  
Federal Emergency Management Agency  
Electronic Mail Distribution

North Carolina Electric  
Membership Corporation  
Electronic Mail Distribution

Peggy Force  
Assistant Attorney General  
N. C. Department of Justice  
Electronic Mail Distribution

County Manager of York County, SC  
Electronic Mail Distribution

Piedmont Municipal Power Agency  
Electronic Mail Distribution

R. L. Gill, Jr., Manager  
Nuclear Regulatory Issues  
and Industry Affairs  
Duke Power Company LLC  
d/b/a Duke Energy Carolinas, LLC  
526 S. Church Street  
Charlotte, NC 28201-0006

**Catawba**  
**Inspection / Activity Plan**  
**09/01/2007 - 03/31/2009**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>EB3TI150 - U2 TI-150</b>		<b>1</b>			
2	IP 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC ORDER EA-03-		09/23/2007	09/27/2007	Safety Issues
	<b>EB3-ISI - UNIT 2 INSERVICE INSPECTION</b>		<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		09/24/2007	10/05/2007	Baseline Inspections
	<b>EB3SGISI - UNIT 2 STEAM GENERATOR ISI</b>		<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		10/01/2007	10/05/2007	Baseline Inspections
	<b>EB1TI166 - PWR CONTAINMENT SUMP BLOCKAGE TI (U-2)</b>		<b>1</b>			
2	IP 2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02		10/07/2007	10/12/2007	Safety Issues
	<b>OL EXAM - INITIAL EXAM PREP</b>		<b>3</b>			
1	V23275	CATAWBA/DECEMBER 2007 EXAM AT POWER FACILITIES		11/05/2007	11/09/2007	Not Applicable
	<b>OL EXAM - INITIAL EXAM</b>		<b>3</b>			
1	V23275	CATAWBA/DECEMBER 2007 EXAM AT POWER FACILITIES		12/03/2007	12/13/2007	Not Applicable
	<b>PSB1-RP - RADIATION PROTECTION PREINSPECTION VISIT</b>		<b>1</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		04/21/2008	04/23/2008	Baseline Inspections
	<b>EB1-MODS - MODIFICATIONS-10CFR50.59</b>		<b>5</b>			
1,2	IP 7111102	Evaluation of Changes, Tests, or Experiments		04/21/2008	04/25/2008	Baseline Inspections
1,2	IP 7111117B	Permanent Plant Modifications		04/21/2008	04/25/2008	Baseline Inspections
	<b>EB3-ISI - U1 INSERVICE INSPECTION</b>		<b>2</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		05/12/2008	05/16/2008	Baseline Inspections
	<b>PSB1-RP - RADIATION PROTECTION OCCUPATIONAL WK1</b>		<b>3</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		05/12/2008	05/16/2008	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		05/12/2008	05/16/2008	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		05/12/2008	05/16/2008	Baseline Inspections
1,2	IP 71151-OR01	Occupational Exposure Control Effectiveness		05/12/2008	05/16/2008	Baseline Inspections
1,2	IP 71151-PR01	RETS/ODCM Radiological Effluent		05/12/2008	05/16/2008	Baseline Inspections
	<b>EB3SGISI - U1 SG ISI</b>		<b>2</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		05/19/2008	05/23/2008	Baseline Inspections
	<b>PSB1-RP - RADIATION PROTECTION OCCUPATIONAL WK2</b>		<b>2</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		05/26/2008	05/30/2008	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		05/26/2008	05/30/2008	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		05/26/2008	05/30/2008	Baseline Inspections
1,2	IP 71151-OR01	Occupational Exposure Control Effectiveness		05/26/2008	05/30/2008	Baseline Inspections
1,2	IP 71151-PR01	RETS/ODCM Radiological Effluent		05/26/2008	05/30/2008	Baseline Inspections
	<b>EB1-SUMP - TI 2515/166 CONTAINMENT SUMP INSPECTION</b>		<b>1</b>			
2	IP 2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02		06/16/2008	06/20/2008	Safety Issues

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

Enclosure

**Catawba**  
**Inspection / Activity Plan**  
**09/01/2007 - 03/31/2009**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>PI&amp;R - PREP TRIP-PROBLEM ID AND RESOL</b>		<b>1</b>			
1,2	IP 71152B	Identification and Resolution of Problems		06/30/2008	07/03/2008	Baseline Inspections
	<b>PSB1-EP - EP EXERCISE</b>		<b>3</b>			
1,2	IP 7111401	Exercise Evaluation		07/28/2008	08/01/2008	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		07/28/2008	08/01/2008	Baseline Inspections
1,2	IP 71151-EP01	Drill/Exercise Performance		07/28/2008	08/01/2008	Baseline Inspections
1,2	IP 71151-EP02	ERO Drill Participation		07/28/2008	08/01/2008	Baseline Inspections
1,2	IP 71151-EP03	Alert & Notification System		07/28/2008	08/01/2008	Baseline Inspections
	<b>PI&amp;R - PROBLEM IDENTIFICATION AND RESOLUTION</b>		<b>4</b>			
1,2	IP 71152B	Identification and Resolution of Problems		08/11/2008	08/15/2008	Baseline Inspections
1,2	IP 71152B	Identification and Resolution of Problems		08/25/2008	08/29/2008	Baseline Inspections
	<b>OL RQ - REQUAL INSPECTION</b>		<b>2</b>			
1,2	IP 7111111B	Licensed Operator Requalification Program		08/25/2008	08/29/2008	Baseline Inspections
	<b>OL EXAM - INITIAL EXAM PREP</b>		<b>4</b>			
1	V23290	CATAWBA/DECEMBER 2008 EXAM AT POWER FACILITIES		11/11/2008	11/14/2008	Not Applicable
	<b>OL EXAM - INITIAL EXAM</b>		<b>4</b>			
1	V23290	CATAWBA/DECEMBER 2008 EXAM AT POWER FACILITIES		12/01/2008	12/12/2008	Not Applicable
	<b>EB1-CDBI - COMPONENT DESIGN BASIS INSPECTION</b>		<b>6</b>			
1,2	IP 7111121	Component Design Bases Inspection		01/12/2009	01/16/2009	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		01/26/2009	01/30/2009	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		02/09/2009	02/13/2009	Baseline Inspections
1,2	IP 7111121	Component Design Bases Inspection		02/23/2009	02/27/2009	Baseline Inspections