



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

September 1, 2009

Mr. J. R. Morris  
Site Vice President  
Duke Energy Carolinas, LLC  
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 11, 2009, the NRC staff completed its performance review of the Catawba Nuclear Station. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from July 1, 2008, through June 30, 2009. 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 security information. A separate letter designated and marked as "Official Use Only – Security Related Information" will include the Security cornerstone performance review and resultant inspection plan.

Plant performance for the most recent quarter at Catawba Units 1 and 2 was within 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.

The enclosed inspection plan details the inspections, less those related to security, scheduled through December 31, 2010. In addition to ROP baseline inspection activities, we also plan on conducting several infrequently performed inspections, which involve the Independent Spent Fuel Storage Installation; operator licensing examinations; Temporary Instruction (TI) 2515/172, Reactor Coolant System Dissimilar Metal Butt Welds; and TI 2515/173, Review of the Implementation of the Industry Groundwater Protection Voluntary Initiative. Finally, we plan to schedule additional inspections related to the planned Ovation Digital Control System modification scheduled for implementation during the Unit 1 Refueling outage. These additional inspections will be conducted using ROP baseline inspection procedures. The dates of these inspections will be coordinated with your staff. 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 nine 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).

As you may know, the NRC is currently evaluating the scope and frequency of all the 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 as soon as possible. Please contact me at (404) 562-4607 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Jonathan H. Bartley, 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/encl:  
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**Catawba**  
**Inspection / Activity Plan**  
**07/01/2009 - 12/31/2010**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>ISFSI - ISFSI OPERATIONAL INSPECTION</b>		<b>2</b>
1,2	07/01/2009	09/30/2009	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			<b>ISFSI - ISFSI OPERATIONAL INSPECTION</b>		<b>2</b>
1,2	07/01/2009	10/15/2009	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			<b>EB1-CDBI - COMPONENT DESIGN BASIS INSPECTION</b>		<b>8</b>
1,2	07/06/2009	07/10/2009	IP 7111121	Component Design Bases Inspection	
1,2	07/27/2009	07/31/2009	IP 7111121	Component Design Bases Inspection	
1,2	08/10/2009	08/14/2009	IP 7111121	Component Design Bases Inspection	
1,2	08/24/2009	08/28/2009	IP 7111121	Component Design Bases Inspection	
			<b>PSB1EP - EMERGENCY PREPAREDNESS INSPECTION</b>		<b>1</b>
1,2	07/20/2009	07/24/2009	IP 7111402	Alert and Notification System Testing	
1,2	07/20/2009	07/24/2009	IP 7111403	Emergency Response Organization Augmentation Testing	
1,2	07/20/2009	07/24/2009	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	07/20/2009	07/24/2009	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1,2	07/20/2009	07/24/2009	IP 71151	Performance Indicator Verification	
			<b>OL EXAM - INITIAL EXAM PREP</b>		<b>6</b>
1	11/16/2009	11/20/2009	V23324	CATAWBA/DECEMBER 2009 EXAM AT POWER FACILITIES	
			<b>EB3ISI - UNIT 1 INSERVICE INSPECTION</b>		<b>1</b>
1	11/30/2009	12/04/2009	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>EB3TI172 - TI-172 RCS DM BUTT WELDS</b>		<b>1</b>
1	11/30/2009	12/04/2009	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	
			<b>OL EXAM - INITIAL EXAM - WEEK 1</b>		<b>5</b>
1	12/07/2009	12/11/2009	V23324	CATAWBA/DECEMBER 2009 EXAM AT POWER FACILITIES	
			<b>OL EXAM - INITIAL EXAM - WEEK 2</b>		<b>5</b>
1	12/14/2009	12/18/2009	V23324	CATAWBA/DECEMBER 2009 EXAM AT POWER FACILITIES	
			<b>EB3 HS - HEAT SINK INSPECTION</b>		<b>1</b>
1,2	01/25/2010	01/29/2010	IP 7111107T	Heat Sink Performance	
			<b>PSB1EP - EMERGENCY PREPAREDNESS EXERCISE</b>		<b>3</b>
1,2	03/08/2010	03/12/2010	IP 7111401	Exercise Evaluation	
1,2	03/08/2010	03/12/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	03/08/2010	03/12/2010	IP 71151	Performance Indicator Verification	
			<b>TFPI 805 - TRIENNIAL FIRE PROTECTION</b>		<b>5</b>
1,2	04/26/2010	04/30/2010	IP 7111105T	Fire Protection [Triennial]	
1,2	05/10/2010	05/14/2010	IP 7111105T	Fire Protection [Triennial]	

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

Enclosure

**Catawba**  
**Inspection / Activity Plan**  
**07/01/2009 - 12/31/2010**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>OL RQ - REQUAL INSPECTION</b>		<b>2</b>
1,2	06/14/2010	06/18/2010	IP 7111111B	Licensed Operator Requalification Program	
			<b>PSB1-RP - RP GROUNDWATER PROTECTION</b>		<b>1</b>
1,2	08/02/2010	08/06/2010	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	
			<b>PSB1-RP - RP OCCUPATIONAL BASELINE WEEK 1</b>		<b>4</b>
1,2	09/20/2010	09/24/2010	IP 7112101	Access Control to Radiologically Significant Areas	
1,2	09/20/2010	09/24/2010	IP 7112102-7112102R	ALARA - Required	
1,2	09/20/2010	09/24/2010	IP 7112202	Radioactive Material Processing and Transportation	
1,2	09/20/2010	09/24/2010	IP 71151	Performance Indicator Verification	
			<b>EB3ISI - UNIT 2 INSERVICE INSPECTION</b>		<b>1</b>
2	09/27/2010	10/01/2010	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>EB3TI172 - EB3 RX COOLANT SYSTEM DM BUTT WELDS</b>		<b>1</b>
2	09/27/2010	10/01/2010	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	
			<b>EB3SGISI - UNIT 2 SG INSERVICE INSPECTION</b>		<b>1</b>
2	10/04/2010	10/08/2010	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>PSB1-RP - RP OCCUPATIONAL BASELINE WEEK 2</b>		<b>3</b>
1,2	10/04/2010	10/08/2010	IP 7112101	Access Control to Radiologically Significant Areas	
1,2	10/04/2010	10/08/2010	IP 7112102-7112102R	ALARA - Required	
1,2	10/04/2010	10/08/2010	IP 7112202	Radioactive Material Processing and Transportation	
1,2	10/04/2010	10/08/2010	IP 71151	Performance Indicator Verification	
			<b>PI&amp;R - PROBLEM IDENTIFICATION AND RESOLUTION</b>		<b>5</b>
1,2	11/01/2010	11/05/2010	IP 71152B	Identification and Resolution of Problems	
1,2	11/15/2010	11/19/2010	IP 71152B	Identification and Resolution of Problems	
			<b>OLEXAM - INITIAL EXAM - PREP</b>		<b>3</b>
1	11/29/2010	12/01/2010	V23343	CATAWBA/DECEMBER 2010 EXAM AT POWER FACILITIES	
			<b>OL EXAM - INITIAL EXAM WEEK 1</b>		<b>3</b>
1	12/13/2010	12/17/2010	V23343	CATAWBA/DECEMBER 2010 EXAM AT POWER FACILITIES	
			<b>OL EXAM - INITIAL EXAM WEEK 2</b>		<b>3</b>
1	12/20/2010	12/24/2010	V23343	CATAWBA/DECEMBER 2010 EXAM AT POWER FACILITIES	

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