



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

August 30, 2004

Duke Energy Corporation
ATTN: Mr. D. M. Jamil
Vice President
Catawba Nuclear Station
4800 Concord Road
York, SC 29745

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

Dear Mr. Jamil:

On August 3, 2004, the NRC staff completed its mid-cycle plant performance assessment of the Catawba Nuclear Station. The mid-cycle review for Catawba involved the participation of all technical divisions in evaluating performance for the first half of the calendar year 2004 assessment cycle. The process included a review of 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 will allow you an opportunity to prepare for these inspections and to inform us of any planned inspections that may conflict with your plant activities. This performance review and the enclosed inspection plan do not include physical protection information. A separate mid-cycle performance review letter, designated and marked as "Proprietary Information in accordance with 10 CFR 2.390(d)(1)," will include the physical protection review results and corresponding inspection plan.

Plant performance for the most recent quarter 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 baseline inspections at your facility through March 31, 2006, as well as the following non-reactor oversight program inspections: (1) routine inspections of activities associated with your planned Independent Spent Fuel Storage Installation; (2) safety issue inspections concerning the reactor pressure vessel lower head penetration nozzles (NRC Bulletin 2003-02) and the reactor containment sump (NRC Bulletin 2003-01); and (3) operator licensing examinations. Also during the Fall 2004 refueling outage, an inspection of your response to NRC Bulletin 2004-01: Inspection of Alloy 82/182/600 Materials Used in the Fabrication of Pressurizer Penetrations and Steam Space Piping Connections at Pressurized-Water Reactors, will be conducted using a Temporary Instruction. The Temporary Instruction is currently in draft form.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2006. The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved 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).

If circumstances arise which cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at (404)562-4550 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Robert C. Haag, Chief
Reactor Projects Branch 1
Division of Reactor Projects

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

Enclosure: Catawba Inspection/Activity Plan

cc w/encl:
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Catawba
Inspection / Activity Plan
09/01/2004 - 03/31/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	OL RQ - REQUAL INSPECTION		2			
1,2	IP 7111111B	Licensed Operator Requalification Program		08/30/2004	09/03/2004	Baseline Inspections
	PS-RP - RADIATION PROTECTION - BAGMAN		1			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		08/30/2004	09/03/2004	Baseline Inspections
	OL PREP - INITIAL EXAM PREP		2			
1	V23229	CATAWBA/EXAMS AT POWER FACILITIES		09/13/2004	09/17/2004	Not Applicable
	EB2-ISI - INSERVICE INSPECTION-U2		2			
2	IP 7111108P	Inservice Inspection Activities - PWR		09/20/2004	09/24/2004	Baseline Inspections
	PS-RP - RP OCCUPATIONAL BASELINE WEEK 1		2			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		09/20/2004	09/24/2004	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		09/20/2004	09/24/2004	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		09/20/2004	09/24/2004	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		09/20/2004	09/24/2004	Baseline Inspections
	2515/152 - U-2 2515/152: RPV LOWER HEAD PENETRATION		1			
2	IP 2515/152	Reactor Pressure Vessel Lower Head Penetration Nozzles (NRC Bulletin 2003-02)		09/27/2004	10/01/2004	Safety Issues
	2515/153 - TI 2515/153 RX CONTAINMT SUMP BLOCKAGE		1			
2	IP 2515/153	Reactor Containment Sump Blockage (NRC Bulletin 2003-01)		09/27/2004	10/01/2004	Safety Issues
	EB2SGISI - STEAM GENERATOR INSERVICE INSPECTION-U2		1			
2	IP 7111108P	Inservice Inspection Activities - PWR		10/04/2004	10/08/2004	Baseline Inspections
	OL EXAM - INITIAL EXAM		3			
1	V23229	CATAWBA/EXAMS AT POWER FACILITIES		10/04/2004	10/08/2004	Not Applicable
	PS-RP - RP OCCUPATIONAL BASELINE WEEK 2		3			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		10/04/2004	10/08/2004	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		10/04/2004	10/08/2004	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		10/04/2004	10/08/2004	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		10/04/2004	10/08/2004	Baseline Inspections
	60851 - ISFSI CONSTRUCTION INSPECTION		2			
1,2	IP 60851	Design Control Of ISFSI Components		01/10/2005	01/14/2005	Other Routine
1,2	IP 60852	ISFSI Component Fabrication By Outside Fabricators		01/10/2005	01/14/2005	Other Routine
1,2	IP 60853	On-Site Fabrication Of Components And Construction On An ISFSI		01/10/2005	01/14/2005	Other Routine
	EB2-MR - MAINTENANCE RULE		1			
1,2	IP 7111112B	Maintenance Effectiveness		03/21/2005	03/25/2005	Baseline Inspections
	OL EP - EP INSPECTION		1			
1,2	IP 7111402	Alert and Notification System Testing		03/21/2005	03/25/2005	Baseline Inspections

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

ENCLOSURE

Catawba
Inspection / Activity Plan
09/01/2004 - 03/31/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	OL EP	- EP INSPECTION	1			
1,2	IP 7111403	Emergency Response Organization Augmentation Testing		03/21/2005	03/25/2005	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		03/21/2005	03/25/2005	Baseline Inspections
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		03/21/2005	03/25/2005	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		03/21/2005	03/25/2005	Baseline Inspections
	EB2-ISI	- INSERVICE INSPECTION-U1	1			
1,2	IP 7111108P	Inservice Inspection Activities - PWR		05/16/2005	05/20/2005	Baseline Inspections
	EB2SGISI	- STEAM GENERATOR ISI	1			
1	IP 7111108P	Inservice Inspection Activities - PWR		05/23/2005	05/27/2005	Baseline Inspections
	EB2-HS	- HEAT SINK	1			
1,2	IP 7111107B	Heat Sink Performance		08/01/2005	08/05/2005	Baseline Inspections
	EB1SSDPC	- SSDPC PRE-INSPECTION VISIT	2			
1,2	IP 7111121	Safety System Design and Performance Capability		08/22/2005	08/26/2005	Baseline Inspections
	PS-RP	- RP PUBLIC BASLINE	3			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		08/22/2005	08/26/2005	Baseline Inspections
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		08/22/2005	08/26/2005	Baseline Inspections
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		08/22/2005	08/26/2005	Baseline Inspections
1,2	IP 7112203	Radiological Environmental Monitoring Program		08/22/2005	08/26/2005	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		08/22/2005	08/26/2005	Baseline Inspections
	EB1SSDPC	- SAFETY SYSTEM DESIGN & PERF. CAPABILITY	5			
1,2	IP 7111121	Safety System Design and Performance Capability		09/19/2005	09/23/2005	Baseline Inspections
1,2	IP 7111121	Safety System Design and Performance Capability		10/03/2005	10/07/2005	Baseline Inspections
	OL PREP	- INITIAL PREP	3			
1	V23229	CATAWBA/EXAMS AT POWER FACILITIES		11/14/2005	11/18/2005	Not Applicable
	OL EXAM	- INITIAL EXAM	3			
1	V23229	CATAWBA/EXAMS AT POWER FACILITIES		12/05/2005	12/09/2005	Not Applicable
	PS-RP	- RP OCCUPATIONAL BASELINE - WEEK 1	3			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		03/20/2006	03/24/2006	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		03/20/2006	03/24/2006	Baseline Inspections
1,2	IP 7112202	Radioactive Material Processing and Transportation		03/20/2006	03/24/2006	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		03/20/2006	03/24/2006	Baseline Inspections

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