



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

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

May 31, 2001

Carolina Power & Light Company  
ATTN: Mr. James Scarola  
Vice President - Harris Plant  
Shearon Harris Nuclear Power Plant  
P. O. Box 165, Mail Code: Zone 1  
New Hill, NC 27562-0165

SUBJECT: ANNUAL ASSESSMENT LETTER - SHEARON HARRIS NUCLEAR POWER  
PLANT (NRC INSPECTION REPORT 50-400/01-01)

Dear Mr. Scarola:

On May 1, 2001, the NRC staff completed its end-of-cycle plant performance assessment of the Shearon Harris Nuclear Power Plant. The end-of-cycle review for Harris involved the participation of all technical divisions in evaluating performance indicators (PIs) and inspection results for the period of April 2, 2000, to March 31, 2001. 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 so that you will have an opportunity to prepare for these inspections and to inform us of any planned inspections which may conflict with your plant activities.

Overall, Harris operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, was within the Regulatory Response Column of the NRC's Action Matrix, based on a White PI (High Pressure Injection System Unavailability) and a White inspection finding (Inoperable charging/safety injection pump). Because the White inspection finding pertains to the same underlying issue as the PI, the NRC considers this to be a single issue in the mitigating systems cornerstone. We have completed a supplemental inspection of this issue per Inspection Procedure 95001. The inspection determined that the completed and proposed corrective actions, including actions to prevent recurrence, appropriately addressed the results of your root cause evaluation, and your implementation schedule was consistent with the overall safety significance of the problem. The White performance issue was closed.

We plan to conduct baseline inspections at your facility through May 31, 2002. We also plan to perform special inspections of your steam generator replacement activities.

As you are aware, the following issues are still under review as part of the Significance Determination Process and supplemental inspections may also be warranted if these issues are determined to be of greater than very low safety significance (Green):

- Unresolved Item (URI) 50-400/99-013-01 (Adequacy of Thermo-Lag Fire Barrier To Meet Plant Licensing Basis Requirements),
- URI 50-400/99-013-02 (Adequacy of the 10 CFR 50.59 For Changes Made to the UFSAR to Revise the Fire Rating of Selected Thermo-Lag Fire Barriers),

- URI 50-400/99-013-03 (Adequacy of Hemyc/MT Cable Wrap Fire Barrier Qualification), and
- Finding (FIN) 50-400/00-04-01 (Inaccurate Risk Assessment for Startup Transformer).

The enclosed inspection plan details the scheduled inspections that will occur through May 31, 2002. This 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.

For your information, the NRC is in the process of aligning the inspection and assessment cycle with the calendar year (CY). In order to transition to a CY cycle (January 1 - December 31), the current inspection and assessment cycle will consist of only three quarters (i.e., the second, third and fourth calendar quarters of CY 2001). As a result, for this transition period only, the number of inspection activities have been modified accordingly and a mid-cycle review letter and accompanying inspection plan will not be issued.

In accordance with 10 CFR 2.790 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/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

If circumstances arise which cause us to change our inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at (404) 562-4501 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Loren R. Plisco, Director  
Division of Reactor Projects

Docket No. 50-400  
License No. NPF-63

Enclosure: Harris Inspection/Activity Plan

cc w/encl: (See page 3)

cc w/encl:

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Distribution w/encl: (See page 4)

CP&L

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Distribution w/encl:  
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PUBLIC DOCUMENT (circle one):    YES    NO

OFFICE	DRP/RII								
SIGNATURE	GMacDonald:vg								
NAME	gm								
DATE	5/29/2001								
E-MAIL COPY?	YES   NO	YES   NO	YES   NO	YES   NO	YES   NO	YES   NO	YES   NO	YES   NO	YES   NO

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DOCUMENT NAME: G:\HARRIS\Assessment\HARRIS EOCLETTER501.wpd

**Harris**  
**Inspection / Activity Plan**  
**06/01/2001 - 05/31/2002**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>SGR-RES - SG REPLACEMENT RESIDENT PRE-OUTAGE INSP</b>		<b>1</b>			
1	IP 50001	Steam Generator Replacement Inspection		06/04/2001	09/22/2001	Other Routine
	<b>MB 50.59 - 50.59</b>		<b>1</b>			
1	IP 7111102	Evaluation of Changes, Tests, or Experiments		06/18/2001	06/22/2001	Baseline Inspections
	<b>EB-PI&amp;R - PI&amp;R PRE-INSPECTION VISIT</b>		<b>1</b>			
1	IP 71152	Identification and Resolution of Problems		06/25/2001	06/29/2001	Baseline Inspections
	<b>EB-PI&amp;R - PI&amp;R INSPECTION</b>		<b>4</b>			
1	IP 71152	Identification and Resolution of Problems		07/09/2001	07/13/2001	Baseline Inspections
	<b>FERC DAM - FERC DAM INSPECTION</b>		<b>2</b>			
1	IP 62002	Inspection Of Structures, Passive Components, And Civil Engineering Features At Nuclear Pov		07/10/2001	07/10/2001	Supplemental Program
	<b>EB-PI&amp;R - PI&amp;R INSPECTION</b>		<b>4</b>			
1	IP 71152	Identification and Resolution of Problems		07/23/2001	07/27/2001	Baseline Inspections
	<b>PS-RP - RADIATION PROTECTION</b>		<b>1</b>			
1	IP 7112102	ALARA Planning and Controls		08/06/2001	08/10/2001	Baseline Inspections
	<b>PS-RP - RADIATION PROTECTION</b>		<b>3</b>			
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		08/20/2001	08/24/2001	Baseline Inspections
1	IP 7112202	Radioactive Material Processing and Transportation		08/20/2001	08/24/2001	Baseline Inspections
1	IP 7112203	Radiological Environmental Monitoring Program		08/20/2001	08/24/2001	Baseline Inspections
	<b>PS-SEC - SECURITY</b>		<b>1</b>			
1	IP 50001	Steam Generator Replacement Inspection		09/04/2001	09/07/2001	Other Routine
1	IP 7113001	Access Authorization Program (Behavior Observation Only)		09/04/2001	09/07/2001	Baseline Inspections
1	IP 7113002	Access Control (Search of Personnel, Packages, and Vehicles: Identification and Authorizator		09/04/2001	09/07/2001	Baseline Inspections
1	IP 71151	Performance Indicator Verification		09/04/2001	09/07/2001	Baseline Inspections
	<b>MB HS - HEAT SINK</b>		<b>1</b>			
1	IP 7111107B	Heat Sink Performance		09/10/2001	09/15/2001	Baseline Inspections
	<b>SGR-RES - SG REPLACEMENT RESIDENT OUTAGE INSP</b>		<b>1</b>			
1	IP 50001	Steam Generator Replacement Inspection		09/22/2001	12/15/2001	Other Routine
	<b>MB SGRP - STEAM GENERATOR REPLACEMENT</b>		<b>1</b>			
1	IP 50001	Steam Generator Replacement Inspection		09/29/2001	12/15/2001	Other Routine
	<b>PS-RP - RADIATION PROTECTION</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		10/01/2001	10/05/2001	Baseline Inspections
	<b>PS-RP - RADIATION PROTECTION</b>		<b>1</b>			
1	IP 7112102	ALARA Planning and Controls		10/15/2001	10/19/2001	Baseline Inspections
1	IP 71151	Performance Indicator Verification		10/15/2001	10/19/2001	Baseline Inspections
	<b>PS-RP - RADIATION PROTECTION</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		01/07/2002	01/11/2002	Baseline Inspections

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

**Harris**  
**Inspection / Activity Plan**  
**06/01/2001 - 05/31/2002**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>PS-RP</b>	<b>- RADIATION PROTECTION</b>	<b>1</b>			
1	IP 7112102	ALARA Planning and Controls		01/07/2002	01/11/2002	Baseline Inspections
	<b>EB-SSDI</b>	<b>- SSDI PRE-INSPECTION VISIT</b>	<b>2</b>			
1	IP 7111121	Safety System Design and Performance Capability		02/04/2002	02/08/2002	Baseline Inspections
	<b>EB-SSDI</b>	<b>- SSDI INSPECTION</b>	<b>5</b>			
1	IP 7111121	Safety System Design and Performance Capability		02/25/2002	03/01/2002	Baseline Inspections
	<b>PS-RP</b>	<b>- RADIATION PROTECTION</b>	<b>1</b>			
1	IP 7112202	Radioactive Material Processing and Transportation		02/25/2002	03/01/2002	Baseline Inspections
1	IP 7112203	Radiological Environmental Monitoring Program		02/25/2002	03/01/2002	Baseline Inspections
	<b>EB-SSDI</b>	<b>- SSDI INSPECTION</b>	<b>5</b>			
1	IP 7111121	Safety System Design and Performance Capability		03/11/2002	03/15/2002	Baseline Inspections
	<b>PS-RP</b>	<b>- RADIATION PROTECTION</b>	<b>1</b>			
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		04/15/2002	04/19/2002	Baseline Inspections
1	IP 7112203	Radiological Environmental Monitoring Program		04/15/2002	04/19/2002	Baseline Inspections
	<b>OL EP</b>	<b>- EMERGENCY PREPAREDNESS</b>	<b>1</b>			
1	IP 7111403	Emergency Response Organization Augmentation Testing		04/29/2002	05/02/2002	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		04/29/2002	05/02/2002	Baseline Inspections
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		04/29/2002	05/02/2002	Baseline Inspections
1	IP 71151	Performance Indicator Verification		04/29/2002	05/02/2002	Baseline Inspections
1	IP 7111402	Alert and Notification System Testing		04/29/2002	05/03/2002	Baseline Inspections
	<b>MB MODS/</b>	<b>- MB MODS/50.59</b>	<b>3</b>			
1	IP 7111102	Evaluation of Changes, Tests, or Experiments		05/06/2002	05/10/2002	Baseline Inspections
1	IP 711117B	Permanent Plant Modifications		05/06/2002	05/10/2002	Baseline Inspections