



**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

Carolina Power and Light Company  
ATTN: Mr. Eric McCartney  
Vice President  
H.B. Robinson Steam Electric Plant Unit 2  
3581 West Entrance Road  
Hartsville, SC 29550

**SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - H. B.  
ROBINSON STEAM ELECTRIC PLANT UNIT 2**

Dear Mr. McCartney:

On August 13, 2009, the NRC staff completed its performance review of the H. B. Robinson Steam Electric Plant. 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 a resultant inspection plan.

Plant performance for the most recent quarter at Robinson Unit 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 infrequently performed inspections, which include Temporary Instruction (TI) 2515/172, Reactor Coolant System Dissimilar Metal Butt Welds; TI 2515/173, Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative; Operation of an Independent Spent Fuel Storage Installation at Operating Plants (ISFSI); Post Approval Site Inspection for License Renewal; and initial operator licensing examinations. The inspection plan is provided 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.

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 404-562-4603 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Randall A. Musser, Chief  
Reactor Projects Branch 4  
Division of Reactor Projects

Docket No.: 50-261, Docket No. 72-3  
License No.: DPR-23, License No. SNM-2502

Enclosure: Robinson Inspection/Activity Plan

cc w/encl. (See page 3)

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 404-562-4603 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Randall A. Musser, Chief  
 Reactor Projects Branch 4  
 Division of Reactor Projects

Docket No.: 50-261, Docket No. 72-3  
 License No.: DPR-23, License No. SNM-2502

Enclosure: Robinson Inspection/Activity Plan

cc w/encl. (See page 3)

X PUBLICLY AVAILABLE       NON-PUBLICLY AVAILABLE       SENSITIVE      X NON-SENSITIVE

ADAMS: X  Yes    ACCESSION NUMBER: \_\_\_\_\_      X  SUNSI REVIEW COMPLETE    RAM

OFFICE	RII:DRP	RII:DRP	RII:DRP				
SIGNATURE	JGW1	GJW	RAM				
NAME	JWorosilo	GWilson	RMusser				
DATE	08/21/2009	08/24/2009	09/01/2009				
E-MAIL COPY?	YES    NO	YES    NO	YES    NO	YES    NO	YES    NO	YES    NO	YES    NO

OFFICIAL RECORD COPY DOCUMENT NAME: S:\DRP\PERIODIC ASSESSMENTS & REPORTS\EOC & MID-CYCLE\2009\MID-CYCLE\RPB4\2009 ROBINSON MID CYCLE LETTER.DOC

cc w/encl:

Brian C. McCabe  
Manager, Nuclear Regulatory Affairs  
Progress Energy Carolinas, Inc.  
Electronic Mail Distribution

Eric McCartney, Vice President  
H. B. Robinson Steam Electric Plant Unit 2  
Carolina Power & Light Company  
Electronic Mail Distribution

R. J. Duncan, II, Vice President  
Nuclear Operations  
Carolina Power & Light Company  
Electronic Mail Distribution

Scott Saunders  
Plant General Manager  
Carolina Power & Light Company  
H. B. Robinson Steam Electric Plant  
3581 West Entrance Road  
Hartsville, SC 29550

Christos Kamilaris, Director  
Fleet Support Services  
Carolina Power & Light Company  
Electronic Mail Distribution

Curt A. Castell, Supervisor  
Licensing/Regulatory Programs  
Carolina Power & Light Company  
H. B. Robinson Steam Electric Plant  
3581 West Entrance Road  
Hartsville, SC 29550

C. T. Baucom, Manager  
Support Services - Nuclear  
Carolina Power & Light Company  
Electronic Mail Distribution

David T. Conley  
Associate General Counsel, Legal Dept.  
Progress Energy Service Company, LLC  
Electronic Mail Distribution

S. D. West, Superintendent Security  
H. B. Robinson Steam Electric Plant  
Progress Energy  
Electronic Mail Distribution

Susan E. Jenkins  
Director, Division of Waste Management  
Bureau of Land and Waste Management  
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

Beverly O. Hall  
Chief, Radiation Protection Section  
Department of Environmental Health  
N.C. Department of Environmental  
Commerce & Natural Resources  
Electronic Mail Distribution

John H. O'Neill, Jr.  
Shaw, Pittman, Potts & Trowbridge  
2300 N. Street, NW  
Washington, DC 20037-1128

Chairman  
North Carolina Utilities Commission  
Electronic Mail Distribution

Robert P. Gruber, Executive Director  
Public Staff - NCUC  
4326 Mail Service Center  
Raleigh, NC 27699-4326

Public Service Commission  
State of South Carolina  
P.O. Box 11649  
Columbia, SC 29211

Senior Resident Inspector  
Carolina Power and Light Company  
H. B. Robinson Steam Electric Plant  
U.S. NRC  
2112 Old Camden Rd  
Hartsville, SC 29550

CP&L

4

Letter to Eric McCartney from Randall A. Musser dated September 1, 2009

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - H. B.  
ROBINSON STEAM ELECTRIC PLANT UNIT 2

Distribution w/encl:

C. Evans, RII EICS (Part 72 Only)

L. Slack, RII EICS (Linda Slack)

OE Mail (email address if applicable)

RIDSNNRRDIRS

PUBLIC

T. Orf, NRR

RidsNrrPMRobinson Resource

ROP Reports

Institute of Nuclear Power Operations (INPO)