



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION II  
245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

September 1, 2010

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 11, 2010, 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, 2009, through June 30, 2010. 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. In addition to ROP baseline inspection activities, we also plan on conducting Temporary Instruction (TI) 2515/179, Verification of Licensee Responses to NRC Requirements for Inventories for Materials Tracked in NSTS.

The enclosed inspection plan details the inspections, less those related to security, scheduled through December 31, 2011. 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 404-997-4603 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 (09/01/2010 – 12/31/2011)

cc w/encl. (See page 3)

cc w/encl:

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**Robinson**  
**Inspection / Activity Plan**  
**09/01/2010 - 12/31/2011**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>CDBI - COMPONENT DESIGN BASES INSPECTION</b>		<b>7</b>
2	08/30/2010	09/03/2010	IP 7111121	Component Design Bases Inspection	
2	09/13/2010	09/17/2010	IP 7111121	Component Design Bases Inspection	
2	09/27/2010	10/01/2010	IP 7111121	Component Design Bases Inspection	
			<b>INSP - AIT URI INSPECTION FOLLOW-UP (OPS)</b>		<b>2</b>
2	09/20/2010	09/24/2010	IP 71153	Followup of Events and Notices of Enforcement Discretion	
			<b>PSB1EP - EMERGENCY PREPAREDNESS INSPECTION</b>		<b>2</b>
2	09/27/2010	10/01/2010	IP 7111402	Alert and Notification System Testing	
2	09/27/2010	10/01/2010	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
2	09/27/2010	10/01/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
2	09/27/2010	10/01/2010	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
2	09/27/2010	10/01/2010	IP 71151	Performance Indicator Verification	
			<b>OL EXAM - INITIAL EXAM PREP</b>		<b>4</b>
2	02/07/2011	02/11/2011	V23346	ROBINSON/FEBRUARY 2011 EXAM AT POWER FACILITIES	
			<b>OL RQ - REQUAL INSPECTION</b>		<b>3</b>
2	02/14/2011	02/18/2011	IP 7111111B	Licensed Operator Requalification Program	
			<b>OL EXAM - INITIAL EXAM - WEEK 1</b>		<b>4</b>
2	02/28/2011	03/04/2011	V23346	ROBINSON/FEBRUARY 2011 EXAM AT POWER FACILITIES	
			<b>OL EXAM - INITIAL EXAM - WEEK 2</b>		<b>4</b>
2	03/14/2011	03/18/2011	V23346	ROBINSON/FEBRUARY 2011 EXAM AT POWER FACILITIES	
			<b>PSB1-RP - RP PUBLIC RADIATION SAFETY INSP</b>		<b>4</b>
2	05/16/2011	05/20/2011	IP 71124.04	Occupational Dose Assessment	
2	05/16/2011	05/20/2011	IP 71124.05	Radiation Monitoring Instrumentation	
2	05/16/2011	05/20/2011	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
2	05/16/2011	05/20/2011	IP 71124.07	Radiological Environmental Monitoring Program	
2	05/16/2011	05/20/2011	IP 71151	Performance Indicator Verification	
			<b>PSB1EP - EMERGENCY PREPAREDNESS EXERCISE</b>		<b>3</b>
2	05/23/2011	05/27/2011	IP 7111401	Exercise Evaluation	
2	05/23/2011	05/27/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
2	05/23/2011	05/27/2011	IP 71151	Performance Indicator Verification	
			<b>PSB1-RP - RADIOLOGICAL HAZARDS ASSESSMENT</b>		<b>2</b>
2	10/17/2011	10/21/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			<b>PSB1-TI - TI-179 NSTS VERIFICATION</b>		<b>1</b>
2	10/17/2011	10/21/2011	IP 2515/179	Verification of Licensee Responses to NRC Requirement for Inventories of Materials Tracked in NSTS	

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

Enclosure

**Robinson**  
**Inspection / Activity Plan**  
**09/01/2010 - 12/31/2011**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>OL EXAM - INITIAL EXAM PREP</b>		<b>3</b>
2	11/07/2011	11/11/2011	V23363	ROBINSON / NOVEMBER 2011 EXAM AT POWER FACILITIES	
			<b>OL EXAM - INITIAL EXAM - WEEK 1</b>		<b>3</b>
2	11/21/2011	11/25/2011	V23363	ROBINSON / NOVEMBER 2011 EXAM AT POWER FACILITIES	
			<b>OL EXAM - INITIAL EXAM - WEEK 2</b>		<b>3</b>
2	12/05/2011	12/09/2011	V23363	ROBINSON / NOVEMBER 2011 EXAM AT POWER FACILITIES	

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Enclosure