



**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. Jon A. Franke, Vice President
Crystal River Nuclear Plant (NA1B)
Supervisor, Licensing &
Regulatory Programs
15760 West Power Line Street
Crystal River, FL 34428-6708

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN – CRYSTAL RIVER NUCLEAR PLANT

Dear Mr. Franke:

On August 12, 2009, the NRC staff completed its performance review of the Crystal River Nuclear 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 enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only--Security Information" will include the security cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter at Crystal River Unit 3 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 include license renewal; steam generator replacement; 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 Volunteer Initiative; and 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.

FPC

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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 404-562-4629 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Marvin D. Sykes, Chief
Reactor Projects Branch 3
Division of Reactor Projects

Docket No.: 50-302
License No.: DPR-72

Enclosure: Crystal River Inspection/Activity Plan (09/01/09 - 12/31/10)

cc w/encl: (See page 3)

cc w/encl:
Randy D. Hart
Regulatory Compliance Manager
Duke Energy Carolinas, LLC
Electronic Mail Distribution

R. L. Gill, Jr.
Manager
Nuclear Regulatory Issues & Industry Affairs
Duke Energy Carolinas, LLC
Electronic Mail Distribution

Dhiaa M. Jamil
Group Executive and Chief Nuclear Officer
Duke Energy Carolinas, LLC
Electronic Mail Distribution

Kathryn B. Nolan
Senior Counsel
Duke Energy Corporation
526 South Church Street-EC07H
Charlotte, NC 28202

Lisa F. Vaughn
Associate General Counsel
Duke Energy Corporation
526 South Church Street-EC07H
Charlotte, NC 28202

David A. Repka
Winston Strawn LLP
Electronic Mail Distribution

North Carolina MPA-1
Suite 600
P.O. Box 29513
Raleigh, NC 27525-0513

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

County Manager of York County
York County Courthouse
York, SC 29745

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

Vanessa Quinn
Federal Emergency Management Agency
500 C Street, SW
Room 840
Washington, DC 20472

Steve Weatherman, Operations Analyst
North Carolina Electric Membership
Corporation
Electronic Mail Distribution

Piedmont Municipal Power Agency
Electronic Mail Distribution

Peggy Force
Assistant Attorney General
State of North Carolina
P.O. Box 629
Raleigh, NC 27602

Crystal River
Inspection / Activity Plan
09/01/2009 - 12/31/2010

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			OL EXAM - INITIAL EXAM - WEEK 1		3
3	08/31/2009	09/04/2009	V23305	CRYSTAL RIVER/SEPTEMBER 2009 EXAM AT POWER FACILITIES	
			EB3SGR - SGR HEAVY LOAD PREP AND REVIEW		1
3	09/14/2009	09/18/2009	IP 50001	Steam Generator Replacement Inspection	
			EB3SGR - SGR SG & ASSOCIATED MOD & DESIGN REVIE		1
3	09/14/2009	09/18/2009	IP 50001	Steam Generator Replacement Inspection	
			OL EXAM - INITIAL EXAM - WEEK 2		2
3	09/14/2009	09/18/2009	V23305	CRYSTAL RIVER/SEPTEMBER 2009 EXAM AT POWER FACILITIES	
			PSB1-RP - RP OCCUPATIONAL BASELINE WEEK 1 (OUTAGE)		3
3	09/28/2009	10/02/2009	IP 7112101	Access Control to Radiologically Significant Areas	
3	09/28/2009	10/02/2009	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems	
3	09/28/2009	10/02/2009	IP 7112202	Radioactive Material Processing and Transportation	
3	09/28/2009	10/02/2009	IP 71151	Performance Indicator Verification	
			EB3ISI - INSERVICE INSPECTION		1
3	10/05/2009	10/09/2009	IP 7111108P	Inservice Inspection Activities - PWR	
			EB3SGR - SGR SG & ASSOCIATED MOD & DESIGN REVIEW		1
3	10/05/2009	10/09/2009	IP 50001	Steam Generator Replacement Inspection	
			EB3SGR - SGR FIELD MOD & OSG CUTOFF REVIEW		1
3	10/05/2009	10/09/2009	IP 50001	Steam Generator Replacement Inspection	
			EB3SGR - SGR RSG MAN MATL, PROC, TEST & ECT DATA		1
3	10/05/2009	10/09/2009	IP 50001	Steam Generator Replacement Inspection	
			EB3TI172 - TI-172 RCS DM BUTT WELDS		1
3	10/05/2009	10/09/2009	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	
			EB3SGR - SGR OBSERVE OSG MOVE OUT & TRANSPORT		1
3	10/12/2009	10/16/2009	IP 50001	Steam Generator Replacement Inspection	
			EB3SGR - SGR OBSERVE RSG TRANSPORT, MOVE IN & INS		1
3	10/19/2009	10/23/2009	IP 50001	Steam Generator Replacement Inspection	
			EB3SGR - SGR CONT REBAR INST REVIEW & CONC POUR		1
3	11/16/2009	11/20/2009	IP 50001	Steam Generator Replacement Inspection	
			EB3SGR - SGR REVIEW WELDING & NDE FOR H/L & C/L		1
3	11/16/2009	11/20/2009	IP 50001	Steam Generator Replacement Inspection	
			EB3SGR - SGR FINAL MOD, TESTING AND DOC REVIEW		1
3	11/30/2009	12/04/2009	IP 50001	Steam Generator Replacement Inspection	
			PSB1-RP - RP OCCUPATIONAL BASELINE WEEK 2 (OUTAGE)		4
3	11/30/2009	12/04/2009	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	

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

Enclosure

Crystal River
Inspection / Activity Plan
09/01/2009 - 12/31/2010

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
PSB1-RP - RP OCCUPATIONAL BASELINE WEEK 2 (OUTAGE)					4
3	11/30/2009	12/04/2009	IP 7112101	Access Control to Radiologically Significant Areas	
3	11/30/2009	12/04/2009	IP 7112102	ALARA Planning and Controls	
3	11/30/2009	12/04/2009	IP 7112202	Radioactive Material Processing and Transportation	
3	11/30/2009	12/04/2009	IP 71151	Performance Indicator Verification	
OL RQ - REQUAL INSPECTION					4
3	02/01/2010	02/05/2010	IP 7111111B	Licensed Operator Requalification Program	
PI&R - PROBLEM IDENTIFICATION AND RESOLUTION					5
3	04/05/2010	04/09/2010	IP 71152B	Identification and Resolution of Problems	
3	04/19/2010	04/23/2010	IP 71152B	Identification and Resolution of Problems	
PSB1EP - EMERGENCY PREPAREDNESS EXERCISE					3
3	04/26/2010	04/30/2010	IP 7111401	Exercise Evaluation	
3	04/26/2010	04/30/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
3	04/26/2010	04/30/2010	IP 71151	Performance Indicator Verification	
EB1-CDBI - COMPONENT DESIGN BASES INSPECTION					7
3	05/10/2010	05/14/2010	IP 7111121	Component Design Bases Inspection	
3	05/24/2010	05/28/2010	IP 7111121	Component Design Bases Inspection	
3	06/07/2010	06/11/2010	IP 7111121	Component Design Bases Inspection	
3	06/21/2010	06/25/2010	IP 7111121	Component Design Bases Inspection	

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Enclosure