



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

September 2, 2008

Mr. Dale E. Young  
Vice President  
Crystal River Nuclear Plant (NA1B)  
15760 West Power Line Street  
Crystal River, FL 34428-6708

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

Dear Mr. Young:

On August 13, 2008, the NRC staff completed its performance review of Crystal River Nuclear Plant, Unit 3 for the first half of the calendar year 2008 assessment cycle. Our technical staff reviewed 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 performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only—Security Related Information" will include the Physical Protection/Security cornerstone performance 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. In addition, TI 2515/173, Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative, will be performed at your facility prior to August 30, 2010. In the near term, we will contact you to assess your readiness for this inspection and then finalize our schedule accordingly.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through December 31, 2009. 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).

Package: ML082460598

Letter: ML082460600

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

Sincerely,

*/RA/*

Marvin D. Sykes, Chief  
Reactor Projects Branch 3  
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Enclosure: Crystal River Nuclear Plant Inspection / Activity Plan

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

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**Crystal River**  
**Inspection / Activity Plan**  
**09/01/2008 - 12/31/2009**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>TI-171 - B.5.B PHASE 2&amp;3</b>		<b>3</b>			
3	IP 2515/171	Verification of Site Specific Implementation Of B.5.b Phase 2 & 3 Mitigating Strategies		10/06/2008	10/10/2008	Generic Safety Inspectio
	<b>PSB1-RP - RADIATION PROTECTION PREINSPECTION VISIT</b>		<b>1</b>			
3	IP 7112101	Access Control to Radiologically Significant Areas		10/27/2008	10/29/2008	Baseline Inspections
	<b>PSB1-RP - RADIATION PROTECTION PUBLIC BASELINE</b>		<b>4</b>			
3	IP 7112101	Access Control to Radiologically Significant Areas		12/01/2008	12/05/2008	Baseline Inspections
3	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		12/01/2008	12/05/2008	Baseline Inspections
3	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		12/01/2008	12/05/2008	Baseline Inspections
3	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program		12/01/2008	12/05/2008	Baseline Inspections
3	IP 71151-OR01	Occupational Exposure Control Effectiveness		12/01/2008	12/05/2008	Baseline Inspections
3	IP 71151-PR01	RETS/ODCM Radiological Effluent		12/01/2008	12/05/2008	Baseline Inspections
	<b>EB3TI172 - TI-172</b>		<b>2</b>			
3	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds		12/08/2008	12/12/2008	Generic Safety Inspectio
	<b>EB1-MODS - MODIFICATIONS-10CFR50.59</b>		<b>4</b>			
3	IP 7111117	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications		02/23/2009	02/27/2009	Baseline Inspections
3	IP 7111117	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications		03/09/2009	03/13/2009	Baseline Inspections
	<b>PSB1EP - EMERGENCY PREPAREDNESS INSPECTION</b>		<b>1</b>			
3	IP 2515/175	Emergency Response Organization, Drill/Exercise Performance Indicator, Program Review		05/04/2009	05/08/2009	Baseline Inspections
3	IP 7111402	Alert and Notification System Testing		05/04/2009	05/08/2009	EP Baseline Inspection
3	IP 7111403	Emergency Response Organization Augmentation Testing		05/04/2009	05/08/2009	EP Baseline Inspection
3	IP 7111404	Emergency Action Level and Emergency Plan Changes		05/04/2009	05/08/2009	EP Baseline Inspection
3	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		05/04/2009	05/08/2009	EP Baseline Inspection
3	IP 71151-EP01	Drill/Exercise Performance		05/04/2009	05/08/2009	Baseline Inspections
3	IP 71151-EP02	ERO Drill Participation		05/04/2009	05/08/2009	Baseline Inspections
3	IP 71151-EP03	Alert & Notification System		05/04/2009	05/08/2009	Baseline Inspections
	<b>LI - LICENSE RENEWAL INSPECTION</b>		<b>5</b>			
3	IP 71002	License Renewal Inspection		07/27/2009	07/31/2009	License Renewal Inspe
	<b>OL EXAM - INITIAL EXAM - PREP</b>		<b>3</b>			
3	V23305	CRYSTAL RIVER/SEPTEMBER 2009 EXAM AT POWER FACILITIES		08/03/2009	08/07/2009	Not Applicable
	<b>LI - LICENSE RENEWAL INSPECTION</b>		<b>5</b>			
3	IP 71002	License Renewal Inspection		08/10/2009	08/14/2009	License Renewal Inspe
	<b>OL EXAM - INITIAL EXAM - WEEK 1</b>		<b>3</b>			
3	V23305	CRYSTAL RIVER/SEPTEMBER 2009 EXAM AT POWER FACILITIES		08/31/2009	09/04/2009	Not Applicable
	<b>PSB1-RP - RP PREINSPECTION VISIT (OCCUPATIONAL)</b>		<b>1</b>			
3	IP 7112101	Access Control to Radiologically Significant Areas		09/07/2009	09/10/2009	Baseline Inspections

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

**Crystal River**  
**Inspection / Activity Plan**  
**09/01/2008 - 12/31/2009**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>OL EXAM - INITIAL EXAM - WEEK 2</b>		<b>2</b>			
3	V23305	CRYSTAL RIVER/SEPTEMBER 2009 EXAM AT POWER FACILITIES		09/14/2009	09/18/2009	Not Applicable
	<b>EB3SGR - STEAM GENERATOR REPLACEMENT</b>		<b>4</b>			
3	IP 50001	Steam Generator Replacement Inspection		09/26/2009	11/26/2009	Other Routine
	<b>PSB1-RP - RP OCCUPATIONAL BASELINE WEEK 1 (OUTAGE)</b>		<b>3</b>			
3	IP 7112101	Access Control to Radiologically Significant Areas		09/28/2009	10/02/2009	Baseline Inspections
3	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		09/28/2009	10/02/2009	Baseline Inspections
3	IP 7112202	Radioactive Material Processing and Transportation		09/28/2009	10/02/2009	Baseline Inspections
3	IP 71151-OR01	Occupational Exposure Control Effectiveness		09/28/2009	10/02/2009	Baseline Inspections
3	IP 71151-PR01	RETS/ODCM Radiological Effluent		09/28/2009	10/02/2009	Baseline Inspections
	<b>EB3ISI - INSERVICE INSPECTION</b>		<b>1</b>			
3	IP 7111108P	Inservice Inspection Activities - PWR		10/05/2009	10/09/2009	Baseline Inspections
	<b>EB3TI172 - TI-172 RCS DM BUTT WELDS</b>		<b>1</b>			
3	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds		10/05/2009	10/09/2009	Generic Safety Inspectio

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