



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

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

August 31, 2006

Mr. Dale E. Young, Vice President  
Crystal River Nuclear Plant (NA1B)  
ATTN: Supervisor, Licensing &  
Regulatory Programs  
15760 West Power Line Street  
Crystal River, FL 34428-6708

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - CRYSTAL  
RIVER UNIT 3

Dear Mr. Young:

On August 2, 2006, the NRC staff completed its performance review of the Crystal River Unit 3 for the first half of the calendar year 2006 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 the enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in Accordance with 10 CFR 2.390" will include the physical protection review and a resultant inspection plan.

Overall, Crystal River Unit 3 operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for Crystal River Unit 3 for the most recent quarter was in the Regulatory Response Column of the NRC's Action Matrix due to a White inspection finding involving unprotected post-fire safe shutdown cables and related non-feasible local operator actions that was issued on September 21, 2005. This White inspection finding, involving the Mitigating System Cornerstone reflected performance at a level requiring increased regulatory response. Because a Supplemental Inspection using IP 95001, "Inspection for One or Two White Inputs In a Strategic Performance Area," was conducted in January 2006 and no findings of significance were identified, we plan to conduct the reactor oversight process (ROP) baseline inspection program at your facility.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2008. In addition to the baseline inspection program, we plan to conduct non-ROP inspections involving containment sump blockage and verification of the Mitigating Systems Performance Index. The inspection plan is provided to minimize the resource impact on your staff and 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 twelve months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting.

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).

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 Joel Munday at (404) 562-4560 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Charles A. Casto, Director  
Division of Reactor Projects

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

Enclosure: Crystal River Inspection/Activity Plan

cc w/encl: (See page 3)

FPC

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cc w/encl:  
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**Crystal River**  
**Inspection / Activity Plan**  
**09/01/2006 - 03/31/2008**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>EB3-HS - HEAT SINK</b>		<b>1</b>			
3	IP 7111107B	Heat Sink Performance		07/09/2006	09/30/2006	Baseline Inspections
	<b>2515/169 - TI 2515/169 - MSPI VERIFICATION</b>		<b>1</b>			
3	IP 2515/169	Mitigating Systems Performance Index Verification		08/01/2006	12/31/2006	Safety Issues
	<b>PSB1-RP - RP PUBLIC PRE-INSP VISIT</b>		<b>1</b>			
3	IP 7112101	Access Control to Radiologically Significant Areas		11/13/2006	11/15/2006	Baseline Inspections
	<b>EB1-MODS - MODIFICATIONS/10CFR50.59</b>		<b>4</b>			
3	IP 7111102	Evaluation of Changes, Tests, or Experiments		12/04/2006	12/08/2006	Baseline Inspections
3	IP 7111117B	Permanent Plant Modifications		12/04/2006	12/08/2006	Baseline Inspections
	<b>PSB1-RP - RP PUBLIC BASELINE</b>		<b>4</b>			
3	IP 7112101	Access Control to Radiologically Significant Areas		12/04/2006	12/08/2006	Baseline Inspections
3	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		12/04/2006	12/08/2006	Baseline Inspections
3	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		12/04/2006	12/08/2006	Baseline Inspections
3	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		12/04/2006	12/08/2006	Baseline Inspections
3	IP 71151	Performance Indicator Verification		12/04/2006	12/08/2006	Baseline Inspections
	<b>PS2-EP - EP INSP</b>		<b>1</b>			
3	IP 7111402	Alert and Notification System Testing		04/23/2007	04/27/2007	Baseline Inspections
3	IP 7111403	Emergency Response Organization Augmentation Testing		04/23/2007	04/27/2007	Baseline Inspections
3	IP 7111404	Emergency Action Level and Emergency Plan Changes		04/23/2007	04/27/2007	Baseline Inspections
3	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		04/23/2007	04/27/2007	Baseline Inspections
3	IP 71151	Performance Indicator Verification		04/23/2007	04/27/2007	Baseline Inspections
	<b>EB1-CDB - COMPONENT DESIGN BASES INSPECTION</b>		<b>5</b>			
3	IP 7111121	Component Design Bases Inspection		08/13/2007	08/17/2007	Baseline Inspections
3	IP 7111121	Component Design Bases Inspection		08/27/2007	08/31/2007	Baseline Inspections
3	IP 7111121	Component Design Bases Inspection		09/10/2007	09/14/2007	Baseline Inspections
3	IP 7111121	Component Design Bases Inspection		09/24/2007	09/28/2007	Baseline Inspections
	<b>PSB1-RP - RP OCCUPATIONAL PRE-INSP VISIT</b>		<b>1</b>			
3	IP 7112101	Access Control to Radiologically Significant Areas		09/04/2007	09/06/2007	Baseline Inspections
	<b>INITPREP - INITIAL EXAM PREP</b>		<b>2</b>			
3	V23272	CRYSTAL RIVER/OCTOBER 2007 EXAM AT POWER FACILITIES		10/01/2007	10/05/2007	Not Applicable
	<b>PSB1-RP - RP OCCUPATIONAL BASELINE INSP WK 1</b>		<b>2</b>			
3	IP 7112101	Access Control to Radiologically Significant Areas		10/01/2007	10/05/2007	Baseline Inspections
3	IP 7112102	ALARA Planning and Controls		10/01/2007	10/05/2007	Baseline Inspections
3	IP 7112202	Radioactive Material Processing and Transportation		10/01/2007	10/05/2007	Baseline Inspections
3	IP 71151	Performance Indicator Verification		10/01/2007	10/05/2007	Baseline Inspections

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**  
**09/01/2006 - 03/31/2008**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>PSB1-RP</b>	<b>- RP OCCUPATIONAL BASELINE INSP WK 2</b>	<b>2</b>			
3	IP 7112101	Access Control to Radiologically Significant Areas		10/15/2007	10/19/2007	Baseline Inspections
3	IP 7112102	ALARA Planning and Controls		10/15/2007	10/19/2007	Baseline Inspections
3	IP 7112202	Radioactive Material Processing and Transportation		10/15/2007	10/19/2007	Baseline Inspections
3	IP 71151	Performance Indicator Verification		10/15/2007	10/19/2007	Baseline Inspections
	<b>EB1-SUMP</b>	<b>- PWR CONTAINMENT SUMP BLOCKAGE TI (U-3)</b>	<b>1</b>			
3	IP 93812	Special Inspection		10/21/2007	10/26/2007	Event Response Insp
	<b>OL EXAM</b>	<b>- INITIAL EXAM</b>	<b>2</b>			
3	V23272	CRYSTAL RIVER/OCTOBER 2007 EXAM AT POWER FACILITIES		10/22/2007	11/02/2007	Not Applicable
	<b>EB3-ISI</b>	<b>- U3 INSERVICE INSPECTION</b>	<b>1</b>			
3	IP 7111108P	Inservice Inspection Activities - PWR		11/12/2007	11/16/2007	Baseline Inspections
	<b>EB3SGISI</b>	<b>- U3 STEAM GENERATOR ISI</b>	<b>1</b>			
3	IP 7111108P	Inservice Inspection Activities - PWR		11/18/2007	11/22/2007	Baseline Inspections
	<b>EB2-TFP</b>	<b>- TRIENNIAL FIRE PROTECTION</b>	<b>5</b>			
3	IP 7111105T	Fire Protection [Triennial]		01/08/2008	01/10/2008	Baseline Inspections
3	IP 7111105T	Fire Protection [Triennial]		01/28/2008	02/01/2008	Baseline Inspections
3	IP 7111105T	Fire Protection [Triennial]		02/11/2008	02/15/2008	Baseline Inspections
	<b>OL RQ</b>	<b>- REQUALIFICATION INSPECTION</b>	<b>2</b>			
3	IP 7111111B	Licensed Operator Requalification Program		02/04/2008	02/08/2008	Baseline Inspections