



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

March 4, 2009

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: ANNUAL ASSESSMENT LETTER – CRYSTAL RIVER NUCLEAR PLANT  
(NRC INSPECTION REPORT 05000302/2009001)**

Dear Mr. Young:

On February 11, 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 January 1 through December 31, 2008. 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 security cornerstone review and 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 the most recent quarter, as well as for the first three quarters of the assessment cycle, 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. We also plan on conducting several special and infrequently performed inspection procedures (IPs) 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; TI 2515/175, Emergency Response Organization, Drill/Exercise Performance Indicator, Program Review, and Operator Licensing Examinations.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through June 30, 2010. 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 mid-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).

If circumstances arise which cause us to change this 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 (03/01/09 - 06/30/10)

cc w/encl: (See page 3)

cc w/encl:

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**Crystal River**  
**Inspection / Activity Plan**  
**03/01/2009 - 06/30/2010**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>EB1-MODS - MODIFICATIONS-10CFR50.59</b>		<b>4</b>
3	03/09/2009	03/13/2009	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			<b>PSB1EP - EMERGENCY PREPAREDNESS INSPECTION</b>		<b>1</b>
3	05/04/2009	05/08/2009	IP 2515/175	Emergency Response Organization, Drill/Exercise Performance Indicator, Program Review	
3	05/04/2009	05/08/2009	IP 7111402	Alert and Notification System Testing	
3	05/04/2009	05/08/2009	IP 7111403	Emergency Response Organization Augmentation Testing	
3	05/04/2009	05/08/2009	IP 7111404	Emergency Action Level and Emergency Plan Changes	
3	05/04/2009	05/08/2009	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
3	05/04/2009	05/08/2009	IP 71151	Performance Indicator Verification	
			<b>LI - LICENSE RENEWAL INSPECTION</b>		<b>8</b>
3	07/27/2009	07/31/2009	IP 71002	License Renewal Inspection	
			<b>OL EXAM - INITIAL EXAM - PREP</b>		<b>3</b>
3	08/03/2009	08/07/2009	V23305	CRYSTAL RIVER/SEPTEMBER 2009 EXAM AT POWER FACILITIES	
			<b>LI - LICENSE RENEWAL INSPECTION</b>		<b>8</b>
3	08/10/2009	08/14/2009	IP 71002	License Renewal Inspection	
			<b>OL EXAM - INITIAL EXAM - WEEK 1</b>		<b>3</b>
3	08/31/2009	09/04/2009	V23305	CRYSTAL RIVER/SEPTEMBER 2009 EXAM AT POWER FACILITIES	
			<b>OL EXAM - INITIAL EXAM - WEEK 2</b>		<b>2</b>
3	09/14/2009	09/18/2009	V23305	CRYSTAL RIVER/SEPTEMBER 2009 EXAM AT POWER FACILITIES	
			<b>EB3SGR - STEAM GENERATOR REPLACEMENT</b>		<b>4</b>
3	09/26/2009	11/26/2009	IP 50001	Steam Generator Replacement Inspection	
			<b>PSB1-RP - RP OCCUPATIONAL BASELINE WEEK 1 (OUTAGE)</b>		<b>3</b>
3	09/28/2009	10/02/2009	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	
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	
			<b>EB3ISI - INSERVICE INSPECTION</b>		<b>1</b>
3	10/05/2009	10/09/2009	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>EB3TI172 - TI-172 RCS DM BUTT WELDS</b>		<b>1</b>
3	10/05/2009	10/09/2009	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	
			<b>PSB1-RP - RP OCCUPATIONAL BASELINE WEEK 2 (OUTAGE)</b>		<b>2</b>
3	11/30/2009	12/04/2009	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	
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	

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

**Crystal River**  
**Inspection / Activity Plan**  
**03/01/2009 - 06/30/2010**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>PSB1-RP - RP OCCUPATIONAL BASELINE WEEK 2 (OUTAGE)</b>		<b>2</b>
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	
			<b>OL RQ - REQUAL INSPECTION</b>		<b>2</b>
3	02/01/2010	02/05/2010	IP 7111111B	Licensed Operator Requalification Program	
			<b>PSB1EP - EMERGENCY PREPAREDNESS EXERCISE</b>		<b>3</b>
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	
			<b>EB1-CDBI - COMPONENT DESIGN BASES INSPECTION</b>		<b>8</b>
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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