



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

March 5, 2012

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

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR CRYSTAL RIVER NUCLEAR PLANT
UNIT 3 (NRC INSPECTION REPORT 05000302/2011007)**

Dear Mr. Franke:

On February 15, 2012, the NRC staff completed its performance review of the Crystal River Nuclear Plant. The NRC reviewed the most recent quarterly performance indicators in addition to inspection results and enforcement actions from January 1, 2011, through December 31, 2011. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

The NRC determined that overall, Crystal River Unit 3 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Crystal River Unit 3 to be in the Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix beginning the third quarter of 2011 due to one White Emergency Preparedness finding.

On February 7, 2012, your staff notified the NRC of your readiness for it to conduct a supplemental inspection to review the actions taken to address the performance issue. Therefore, in addition to ROP baseline inspections, the NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001, "Inspection for One or Two White Inputs in a Strategic Performance Area," beginning April 30, 2012. This inspection procedure is conducted to provide assurance that the root causes and contributing causes of risk significant performance issues are understood, the extent of condition is identified, and the corrective actions are sufficient to prevent recurrence.

In order to implement the ROP at Crystal River Unit 3, the NRC implemented Inspection Manual Chapter (IMC) 0351, "Implementation of the Reactor Oversight Process at Reactor Facilities in an Extended Shutdown Condition for Reasons Other Than Significant Performance Problems." The inspection plan prepared in accordance with IMC 0351 addresses accomplishment of the ROP baseline inspection procedures and also includes observations of the planned structural repairs to the containment building. Inspections will verify acceptable performance of major testing activities including tests associated with steam generator replacement, the containment

building structural integrity test, and the containment integrated leak rate test. The inspection plan describes the current status of performance indicators and inspections planned to address invalid performance indicators. As plant repairs and testing near completion, the inspection plan will be amended to focus on readiness for restart, including an Operational Readiness Assessment Inspection. The approved inspection plan is electronically available from the Publicly Available Record (PARS) component of the NRC's document system (ADAMS) under ML112590546.

The enclosed inspection plan lists the inspections scheduled through June 30, 2013. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be 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).

Please contact Daniel Rich at (404) 997-4721 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Richard P. Croteau, Director
Division of Reactor Projects

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

Enclosure:
Crystal River Nuclear Plant Inspection/Activity Plan
(03/01/12 - 06/30/13)

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Crystal River
 Inspection / Activity Plan
 03/01/2012 - 06/30/2013

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
3	04/30/2012	05/04/2012	95001 IP 95001	- CR3 95001 SUPPLEMENTAL INSPECTION Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area	1
3	07/09/2012	07/13/2012	TI-182 IP 2515/182	- TI-182 BURIED PIPING/TANK - PHASE 1 Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	1
3	08/27/2012	08/31/2012	MOD IP 7111117T	- MODIFICATION INSPECTION Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	5
3	09/10/2012	09/14/2012	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	5
3	11/12/2012	11/16/2012	PSB1EP IP 7111401	- EMERGENCY PREPAREDNESS EXERCISE Exercise Evaluation	4
3	11/12/2012	11/16/2012	IP 7111404	Emergency Action Level and Emergency Plan Changes	4
3	11/12/2012	11/16/2012	IP 71151	Performance Indicator Verification	4
3	11/26/2012	11/30/2012	PSB1-RP IP 71124.01	- PUBLIC RADIATION PROTECTION BASELINE Radiological Hazard Assessment and Exposure Controls	4
3	11/26/2012	11/30/2012	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	4
3	11/26/2012	11/30/2012	IP 71124.07	Radiological Environmental Monitoring Program	4
3	11/26/2012	11/30/2012	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	4
3	11/26/2012	11/30/2012	IP 71151	Performance Indicator Verification	4
3	03/04/2013	03/08/2013	ISFSI IP 2690/008	- ISFSI FIRST LOADING CAMPAIGN Inspection Add Security Measures for Dry Cask Storage at ISFSIs Located Within Protected Area of Op Rctr	2
3	03/04/2013	03/08/2013	OL EXAM V23379	- INITIAL EXAM PREP CRYSTAL RIVER / MARCH 2013 EXAM AT POWER FACILITIES	6
3	03/25/2013	03/29/2013	OL EXAM V23379	- INITIAL EXAM - WEEK 1 CRYSTAL RIVER / MARCH 2013 EXAM AT POWER FACILITIES	3
3	04/01/2013	04/05/2013	OL EXAM V23379	- INITIAL EXAM - WEEK 2 CRYSTAL RIVER / MARCH 2013 EXAM AT POWER FACILITIES	3
3	05/06/2013	05/10/2013	CDBI IP 7111121	- COMPONENT DESIGN BASES INSPECTION Component Design Bases Inspection	7
3	05/20/2013	05/24/2013	IP 7111121	Component Design Bases Inspection	7
3	06/03/2013	06/07/2013	IP 7111121	Component Design Bases Inspection	7

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