



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

September 4, 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: MID-CYCLE ASSESSMENT LETTER FOR CRYSTAL RIVER NUCLEAR PLANT  
UNIT 3 (NRC INSPECTION REPORT 05000302/2012006)**

Dear Mr. Franke:

On August 15, 2012, the NRC completed its mid-cycle review of the Crystal River Nuclear Plant Unit 3. The NRC reviewed the most recent quarterly performance indicators in addition to inspection results and enforcement actions from July 1, 2011, through June 30, 2012. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined the performance at Crystal River Unit 3 during the most recent quarter was within the Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix due to one White finding in the Emergency Preparedness Cornerstone. This finding was closed in Inspection Report 05000302/2012503 dated June 14, 2012, (ML12166A522). Crystal River Unit 3 transitioned back to the Licensee Response Column of the Action Matrix on July 1, 2012, as documented in Inspection Report and Assessment Follow-Up Letter 05000302/2012003 dated July 27, 2012, (ML12209A382). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

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 December 31, 2013. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to the baseline inspections, consistent with the Agency's actions related to Fukushima, the NRC will perform TI-187, "Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns," and TI-188, "Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns." 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. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

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

Sincerely,

*/RA/*

Daniel W. Rich, Chief  
Reactor Projects Branch 3  
Division of Reactor Projects

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

Enclosure: Crystal River Nuclear Plant Inspection/Activity Plan (09/01/12 - 12/31/13)

cc w/Encl: (See page 3)

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cc w/Encl: (See page 3)

X PUBLICLY AVAILABLE                       NON-PUBLICLY AVAILABLE                       SENSITIVE                      X NON-SENSITIVE  
 ADAMS:  Yes      ACCESSION NUMBER: \_\_\_\_\_                      X SUNSI REVIEW COMPLETE  FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP					
SIGNATURE	SDR /RA/	DWR /RA/					
NAME	SRose	DRich					
DATE	08/22/2012	08/22/2012					
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

J. Franke

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J. Franke

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Letter to Jon A. Franke from Daniel W. Rich dated September 4, 2012

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR CRYSTAL RIVER NUCLEAR PLANT  
UNIT 3 (NRC INSPECTION REPORT 05000302/2012006)

Distribution w/encl:

C. Evans, RII EICS

L. Douglas, RII EICS

OE Mail

RIDSNNRRDIRS

PUBLIC

RidsNrrPMCrystal River Resource

ROP Reports

Institute of Nuclear Power Operations (INPO)

**Crystal River**  
**Inspection / Activity Plan**  
**09/01/2012 - 12/31/2013**

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
		<b>PSB1EP - EMERGENCY PREPAREDNESS EXERCISE</b>		<b>4</b>
3	11/12/2012 11/16/2012	IP 7111401	Exercise Evaluation	
3	11/12/2012 11/16/2012	IP 7111404	Emergency Action Level and Emergency Plan Changes	
3	11/12/2012 11/16/2012	IP 71151	Performance Indicator Verification	
		<b>PSB1-RP - PUBLIC RADIATION PROTECTION BASELINE</b>		<b>4</b>
3	11/26/2012 11/30/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
3	11/26/2012 11/30/2012	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
3	11/26/2012 11/30/2012	IP 71124.07	Radiological Environmental Monitoring Program	
3	11/26/2012 11/30/2012	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
3	11/26/2012 11/30/2012	IP 71151	Performance Indicator Verification	
		<b>OL RQ - REQUAL INSPECTION</b>		<b>2</b>
3	04/08/2013 04/12/2013	IP 7111111B	Licensed Operator Requalification Program	
		<b>CDBI - COMPONENT DESIGN BASES INSPECTION</b>		<b>9</b>
3	04/15/2013 04/19/2013	IP 7111121	Component Design Bases Inspection	
3	05/06/2013 05/10/2013	IP 7111121	Component Design Bases Inspection	
3	05/20/2013 05/24/2013	IP 7111121	Component Design Bases Inspection	
3	06/03/2013 06/07/2013	IP 7111121	Component Design Bases Inspection	
		<b>EP - EMERGENCY PREPAREDNESS INSPECTION</b>		<b>1</b>
3	10/14/2013 10/18/2013	IP 7111402	Alert and Notification System Testing	
3	10/14/2013 10/18/2013	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
3	10/14/2013 10/18/2013	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
3	10/14/2013 10/18/2013	IP 71151	Performance Indicator Verification	
		<b>MODS - PERM MODS 50.59 INSPECTION</b>		<b>5</b>
3	11/04/2013 11/08/2013	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
3	11/18/2013 11/22/2013	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
		<b>PSB1-RP - RP OCCUPATIONAL BASELINE</b>		<b>3</b>
3	11/18/2013 11/22/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
3	11/18/2013 11/22/2013	IP 71124.02	Occupational ALARA Planning and Controls	
3	11/18/2013 11/22/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
3	11/18/2013 11/22/2013	IP 71124.04	Occupational Dose Assessment	
3	11/18/2013 11/22/2013	IP 71124.05	Radiation Monitoring Instrumentation	
3	11/18/2013 11/22/2013	IP 71151	Performance Indicator Verification	
		<b>PSB1-RP - RP OCCUPATIONAL BASELINE WEEK2</b>		<b>3</b>
3	12/02/2013 12/06/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	

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

Enclosure

Crystal River

Inspection / Activity Plan

09/01/2012 - 12/31/2013

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
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**PSB1-RP - RP OCCUPATIONAL BASELINE WEEK2**

3	12/02/2013 12/06/2013	IP 71124.02	Occupational ALARA Planning and Controls	3
3	12/02/2013 12/06/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
3	12/02/2013 12/06/2013	IP 71124.04	Occupational Dose Assessment	
3	12/02/2013 12/06/2013	IP 71124.05	Radiation Monitoring Instrumentation	
3	12/02/2013 12/06/2013	IP 71151	Performance Indicator Verification	

Comments:

This report does not include INPO and OUTAGE activities.  
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