



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

June 25, 2008

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

SUBJECT: CRYSTAL RIVER UNIT 3 - NRC EMERGENCY PREPAREDNESS INSPECTION
REPORT 05000302/2008501

Dear Mr. Young:

On May 22, 2008, the U.S. Nuclear Regulatory Commission (NRC) completed an Emergency Preparedness inspection at Crystal River Nuclear Power Plant. The enclosed inspection report documents the inspection results, which were discussed on May 22, 2008, with you and other members of your staff.

The inspection examined activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel. Based on the results of this inspection, no findings of significance were identified.

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

Sincerely,

/RA/

Brian R. Bonser, Chief
Plant Support Branch 1
Division of Reactor Safety

Docket Nos. 50-302
License Nos. DPR-72

Enclosure: NRC Inspection Report No. 05000302/2008501
W/Attachment: Supplemental Information

(cc w/encl: page 2)

June 25, 2008

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

SUBJECT: CRYSTAL RIVER UNIT 3 - NRC EMERGENCY PREPAREDNESS INSPECTION
REPORT 05000302/2008501

Dear Mr. Young:

On May 22, 2008, the U.S. Nuclear Regulatory Commission (NRC) completed an Emergency Preparedness inspection at Crystal River Nuclear Power Plant. The enclosed inspection report documents the inspection results, which were discussed on May 22, 2008, with you and other members of your staff.

The inspection examined activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel. Based on the results of this inspection, no findings of significance were identified.

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

Sincerely,
/RA/
Brian R. Bonser, Chief
Plant Support Branch 1
Division of Reactor Safety

Docket Nos. 50-302
License Nos. DPR-72

Enclosure: NRC Inspection Report No. 05000302/2008501
W/Attachment: Supplemental Information
(cc: w/encl – See Page 2)

PUBLICLY AVAILABLE NON-PUBLICLY AVAILABLE SENSITIVE NON-SENSITIVE

ADAMS: Yes ACCESSION NUMBER: _____

OFFICE	RII: DRS	RII:DRP	RII:DRP	RII:DRP	RII:DRS		
SIGNATURE	/RA/ see email	/RA/	/RA/ See Email	/RA/	/RA/		
NAME	L. Miller	J. Dodson	MBarillas	M. Sykes	B.Bonser		
DATE	06/17/2008	06/25/2008	06/16/2008	06/25/2008	06/20/2008		
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\DRS\PSB1\EMERGENCY PREPAREDNESS\CRYSTAL RIVER\INSPECTION PLAN AND INPUT\FY2008\05000302-208501 EP INSPECTION REPORT.DOC

cc w/encl:

Jon A. Franke
Director Site Operations
Crystal River Nuclear Plant (NA2C)
Electronic Mail Distribution

Michael J. Annacone
Plant General Manager
Crystal River Nuclear Plant (NA2C)
Electronic Mail Distribution

Phyllis Dixon
Manager
Nuclear Assessment
Crystal River Nuclear Plant (NA2C)
Electronic Mail Distribution

Stephen J. Cahill
Engineering Manager
Crystal River Nuclear Plant (NA2C)
Electronic Mail Distribution

Daniel J. Roderick
Vice President
Nuclear Projects and Construction
Crystal River Nuclear Plant
Electronic Mail Distribution

David M. Varner
Manager
Support Services - Nuclear
Crystal River Nuclear Plant
Electronic Mail Distribution

R. Alexander Glenn
Associate General Counsel
(MAC - BT15A)
Florida Power Corporation
Electronic Mail Distribution

Steven R. Carr
Associate General Counsel
Legal Department
Progress Energy Service Company, LLC
P.O. Box 1551
Raleigh, NC 27602-1551

Senior Resident Inspector
Florida Power Corporation
Crystal River Nuclear Generating Plant
U.S. NRC
6745 N Tallahassee Rd
Crystal River, FL 34428

William A. Passetti
Chief
Florida Bureau of Radiation Control
Department of Health
Electronic Mail Distribution

Craig Fugate
Director
Division of Emergency Preparedness
Department of Community Affairs
Electronic Mail Distribution

Chairman
Board of County Commissioners
Citrus County
110 N. Apopka Avenue
Inverness, FL 36250

Attorney General
Department of Legal Affairs
The Capitol PL-01
Tallahassee, FL 32399-1050

FPC

3

Letter to Dale E. Young from Brian Bonser dated Date of Letter June 25, 2008

SUBJECT: CRYSTAL RIVER UNIT 3 NUCLEAR GENERATING PLANT - NRC
INTEGRATED INSPECTION REPORT 05000302/2008

Distribution w/encl:

RIDSNRRDIRS

PUBLIC

Farideh E. Saba, NRR (PM: BR, CR3,)

U. S. NUCLEAR REGULATORY COMMISSION

REGION II

Docket Nos: 50-302

License Nos: DPR-72

Report Nos: 05000302/2008501

Licensee: Progress Energy Florida (Florida Power Corporation)

Facility: Crystal River, Unit 3

Location: Crystal River Florida

Dates: May 19-22, 2008

Inspector: Lee Miller, Senior Emergency Preparedness Inspector
Jim Dodson, Senior Project Engineer
Martha Barillas, Resident Inspector

Approved by: Brian R. Bonser, Chief
Plant Support Branch 1
Division of Reactor Safety

Enclosure

SUMMARY OF FINDINGS

IR 0500302/2008-501; 5/19/2008 – 5/22/2008; Crystal River Unit 3; Baseline Inspection.

The report covered an announced inspection by a regional emergency preparedness inspector, a resident inspector and a regional project engineer. The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process."

A. NRC-Identified and Self-Revealing Findings

No findings of significance were identified.

B. Licensee-Identified Violations.

None

Enclosure

REPORT DETAILS

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness

1EP1 Exercise Evaluation

a. Inspection Scope

Prior to the inspection activity, the inspector conducted an in-office review of the exercise objectives and scenario submitted to the NRC to determine if the exercise would test major elements of the emergency plan as required by 10 CFR 50.47(b)(14). This inspection activity represents one sample on a biennial cycle.

The onsite inspection consisted of the following review and assessment:

- The adequacy of the licensee's performance in the biennial exercise conducted on May 21, 2008, was reviewed and assessed regarding the implementation of the Risk Significant Planning Standards (RSPSs) in 10 CFR 50.47 (b)(4), (5), (9), and (10), which address emergency classification, offsite notification, radiological assessment, and protective action recommendations, respectively.
- The overall adequacy of the licensee's emergency response facilities with regard to NUREG-0696, "Functional Criteria for Emergency Response Facilities" and Emergency Plan commitments. The facilities assessed were the Control Room simulator, Technical Support Center (TSC), Operations Support Center (OSC) and Emergency Operations Facility (EOF).
- Other performance areas besides the RSPS, such as the emergency response organization's (ERO) recognition of abnormal plant conditions, command and control, intra- and inter-facility communications, prioritization of mitigation activities, utilization of repair and field monitoring teams, interface with offsite agencies, and the overall implementation of the emergency plan and its implementing procedures.
- Past performance issues from NRC inspection reports and Federal Emergency Management Agency (FEMA)/Department of Homeland Security (DHS) exercise reports to determine effectiveness of corrective actions as demonstrated during this exercise to ensure compliance with 10 CFR 50.47(b)(14).
- The post-exercise critique process and the presentation to the licensee's senior management conducted on May 22, 2008, to evaluate the licensee's self-assessment of its ERO performance during the exercise and to ensure compliance with 10 CFR 50 Appendix E.IV.F.2.g.

The inspector reviewed various documents which are listed in the Attachment to this report.

Enclosure

b. Findings

No findings of significance were identified.

1EP4 Emergency Action Level and Emergency Plan Changes

a. Inspection Scope

Since the last NRC inspection of this program area, Revision 27 of the Radiological Emergency Response Plan was implemented based on the licensee's determination, in accordance with 10 CFR 50.54(q), that the changes resulted in no decrease in the effectiveness of the Plan, and that the revised Plan continued to meet the requirements of 10 CFR 50.47(b) and Appendix E to 10 CFR Part 50. The inspector conducted a sampling review of the Plan changes and implementing procedure changes made between May 2007 and May 20078 to evaluate for potential decreases in effectiveness of the Plan. However, this review was not documented in a Safety Evaluation Report and does not constitute formal NRC approval of the changes. Therefore, these changes remain subject to future NRC inspection in their entirety.

The inspection was conducted in accordance with NRC Inspection Procedure 71114, Attachment 04, "Emergency Action Level and Emergency Plan Changes." The applicable planning standard (PS), 10 CFR 50.47(b)(4) and its related 10 CFR 50, Appendix E requirements were used as reference criteria.

The inspector reviewed various documents which are listed in the Attachment to this report. This inspection activity satisfied one inspection sample for the Emergency Action Level (EAL) and emergency plan changes on an annual basis.

b. Findings

No findings of significance were identified.

4. OTHER ACTIVITIES

4OA1 Performance Indicator Verification

a. Inspection Scope

Cornerstone: Emergency Preparedness

The inspector sampled licensee submittals for three Performance Indicators (PI) listed below. For each of the submittals reviewed, the inspector reviewed the period from April 1, 2007 through March 31, 2008. To verify the accuracy of the PI data reported during that period, PI definitions and guidance contained in Nuclear Energy Institute (NEI) 99-02, "Regulatory Assessment Indicator Guideline," Revision 5, were used to verify the basis in reporting for each data element.

- Emergency Response Organization Drill/Exercise Performance (DEP)
- Emergency Response Organization Readiness (ERO)
- Alert and Notification System Reliability (ANS)

The inspectors reviewed portions of the raw PI data developed from monthly performance indicator reports and discussed the methods for compiling and reporting the PIs with cognizant emergency preparedness personnel. The inspector also independently screened drill and exercise opportunity evaluations, drill participation reports, and drill evaluations. Selected reported values were calculated to verify their accuracy. The inspectors compared graphical representations from the most recent PI report to the raw data to verify that the data was correctly reflected in the report. Reviewed documents are listed in the Attachment to this report.

b. Findings

No findings of significance were identified.

4OA6 Meetings, including Exit

On May 22, 2008, the lead inspector presented the inspection results to Mr. D. Young and other members of his staff. The inspector confirmed that proprietary information was not provided during the inspection.

ATTACHMENT: SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee personnel

D. Young Vice President - Crystal River, Unit 3
M. Annacone Plant Manager - Crystal River, Unit 3
P. Gerardin Nuclear Assessment Section
P. Dixon Nuclear Assessment Section - Manager
T. Pilo Fleet Coordinator - Emergency Preparedness
D. Herrin Licensing & Regulatory Programs
J. Stephenson Emergency Preparedness

LIST OF DOCUMENTS REVIEWED

1EP1 Exercise Evaluation

Procedures

EM-102, Operation of the Technical Support Center, Revision 48
EM-103, Operation and Staffing of the CR-3 Control Room During Emergency Classifications, Rev. 20
EM-104, Operation of the Operational Support Center, Revision 12
EM-202, Duties of the Emergency Coordinator, Rev. 84
Emergency Action Level Bases Manual, Rev. 7
EM-205, Personnel Emergency Responsibilities Regarding Discovery, Assembly, Evacuation, and Accountability Within the Protected Area, Rev. 29
EM-206, Emergency Plan Roster Notification, Revision 104
EM-210A, Duties of the Radiation Monitoring Team: CR3 and Energy Complex Personnel and Area Monitoring, Revision 8
EM-210B, Duties of the Radiation Monitoring Team: Environmental Sampling and Plume Tracking, Revision 10
EM-211, Duties of the CR3 Nuclear Security Organization, Revision 25
EM-219, Duties of the Dose Assessment Team, Rev. 18
EM-225, Duties of the Technical Support Center Accident Assessment Team, Revision 20
EM-400, Operation of the Emergency Operations Facility, Rev. 8
EM-402, Emergency Operations Facility Technical Support Team, Rev. 2
AI-4001, Conduct of Drills and Exercises Supporting the Radiological Emergency Response Plan, Rev. 2

Corrective Actions – Action Request (AR)

AR280393, Individual entered unauthorized security area during drill
AR280479, News Release 2 & 3 did not contain dates as expected.
AR280481, Communication weaknesses demonstrated
AR280480, Contrary to EM-202 two state notification forms contained information previously provided to the State and risk counties
AR280500, GE was declared prior to thresholds being reached - missed PI opportunity

AR280503, State notification forms message #4 - incorrect downwind sectors listed and PAR notification inaccurate; message 7 inaccurate; missed PI opportunities

Records and Data

Control Room, Technical Support Center, Operations Support Center, Joint Information Center - Documentation packages (logs, event notification forms, Protective Action Recommendations, Media releases, and Radiological Dose Assessments)

1EP4 Emergency Action Level and Emergency Plan ChangesProcedures

Radiological Emergency Response Plan, Rev. 27

OA1 Performance Indicator VerificationProcedures

CP-217, NRC Performance Indicator (PI) Program Rev. 9

Records and Data

Documentation of Drill and Exercise Performance opportunities, April 1, 2007 through March 31, 2008

Records of drill and exercise participation by key ERO personnel, April 1, 2007 through March 31, 2008

Records of Alert and Notification System testing for the period, April 1, 2007 through March 31, 2008

Corrective Actions - Action Request (AR)

00276709, Missed Drill and Exercise and Exercise PI Opportunities

00273532, Drill & Exercise KPI Correction

00280153, CP-217 NRC Performance Indicator (PI) Program

00280154, Conduct of Drills and Exercises Supporting the Radiological Emergency Response Plan

LIST OF ACRONYMS

ANS	Alert and Notification System (ANS) Testing
DEP	Emergency Response Organization Drill/Exercise Performance
DHS	Department of Homeland Security
EAL	Emergency Action Level
EOF	Emergency Operations Facility
ERO	Emergency Response Organization
FEMA	Federal Emergency Management Administration
NEI	Nuclear Energy Institute
OSC	Operations Support Center
PI	Performance Indicator
PS	Planning Standard
PI	Performance Indicator
RSPS	Risk Significant Planning Standard
TSC	Technical Support Center