



Crystal River Nuclear Plant  
Docket No. 50-302  
Operating License No. DPR-72

Ref: 10 CFR 50.54(f)

December 17, 2003  
3F1203-13

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
11555 Rockville Pike  
Rockville, Maryland 20852

Subject: Crystal River Unit 3 – 60 Day Report Regarding NRC Bulletin 2003-02,  
“Leakage from Reactor Pressure Vessel Lower Head Penetrations and Reactor  
Coolant Pressure Boundary Integrity”

References: 1. Bulletin 2003-02, “Leakage from Reactor Pressure Vessel Lower Head  
Penetrations and Reactor Coolant Pressure Boundary Integrity”  
  
2. PEF to NRC Letter, 3F0903-02, Crystal River Unit 3 – 30-Day Response to  
Bulletin 2003-02, “Leakage from Reactor Pressure Vessel Lower Head  
Penetrations and Reactor Coolant Pressure Boundary Integrity”

Dear Sir:

Progress Energy Florida, Inc. (PEF) is hereby submitting the 60 Day Report requested in Item 2  
of Bulletin 2003-02 (Reference 1).

### Request

Within 60 days of plant restart following the next inspection of the RPV (Reactor Pressure Vessel) lower head penetrations, the subject PWR addressees should submit to the NRC a summary of the inspections performed, the extent of the inspections, the methods used, a description of the as-found condition of the lower head, any findings of relevant indications of through-wall leakage, and a summary of the disposition of any findings of boric acid deposits and any corrective actions taken as a result of indications found.

**Response**

Extent, methods, and results from inspections performed in the lower head:

Crystal River Unit 3 (CR-3) started up from Refueling Outage 13 (13R) on November 5, 2003. As stated in Reference 2, the bare metal visual inspection of the Incore Monitoring Instrumentation (IMI) penetrations at CR-3 included all 52 IMI penetrations including 100% of the circumference of each penetration as it enters the Reactor Vessel lower head. No indications of leakage from the nozzles were identified.

Access under the RPV lower head was provided by removing temporary shielding (lead bricks) at the access point and by removing insulation panels around the outside of the IMIs. Once the insulation was removed, the bottom of the RPV and IMI penetrations were visually (direct VT-2) inspected for leakage. The results of the examination have been recorded on visual examination data sheets and sent to records for retention. There was no evidence of boric acid or IMI leakage. Loose scale and flaking paint was observed on the RPV bottom head. Decontamination efforts were undertaken to remove this scale. No corrosion of concern or wastage was observed.

This letter makes no new regulatory commitments.

If you have any questions regarding this submittal, please contact Mr. Sid Powell, Supervisor, Licensing and Regulatory Programs at (352) 563-4883.

Sincerely,



Daniel L. Roderick  
Director Site Operations

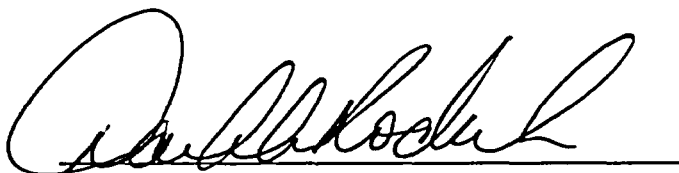
DLR/lvc

xc: NRR Project Manager  
Regional Administrator, Region II  
Senior Resident Inspector

STATE OF FLORIDA

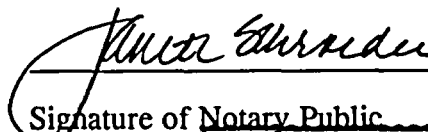
COUNTY OF CITRUS

Daniel L. Roderick states that he is the Director Site Operations for Progress Energy Florida, Inc.; that he is authorized on the part of said company to sign and file with the Nuclear Regulatory Commission the information attached hereto; and that all such statements made and matters set forth therein are true and correct to the best of his knowledge, information, and belief.



Daniel L. Roderick  
Director Site Operations

The foregoing document was acknowledged before me this 17th day of December, 2003, by Daniel L. Roderick.



Signature of Notary Public  
State of Florida



(Print, type, or stamp Commissioned  
Name of Notary Public)

Personally Known ☒ -OR- Produced Identification ☐