



Florida Power

A Progress Energy Company

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

Ref: 10 CFR 50.54(f)

July 24, 2002
3F0702-01

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555-0001

Subject: Crystal River Unit 3 – Supplemental Information Regarding the 15-Day Response to NRC Bulletin 2002-01, "Reactor Pressure Vessel Head Degradation and Reactor Coolant Pressure Boundary Integrity"

References:

1. FPC to NRC letter, 3F0302-11, dated March 28, 2002, "Crystal River Unit 3 – Response to NRC Bulletin 2002-01, "Reactor Pressure Vessel Head Degradation and Reactor Coolant Pressure Boundary Integrity"
2. NRC to FPC letter, 3N0702-02, dated July 1, 2002, Crystal River Unit 3 – Summary of June 12, 2002, Conference Call Regarding Response to NRC Bulletin 2002-01 "Reactor Pressure Vessel Head Degradation and Reactor Coolant Pressure Boundary Integrity" (TAC No. MB4539)

Dear Sir:

Florida Power Corporation (FPC) is hereby providing supplemental information regarding the 15-day response to NRC Bulletin 2002-01 (Reference 1). The NRC request for supplemental information and FPC response were discussed with the NRC staff during a conference call conducted on June 12, 2002 as documented in Reference 2. Attachment A summarizes the question formulated by the NRC and the response provided by FPC. Attachment B contains pictures taken during Refuel Outage 12, after the Reactor Pressure Vessel Head (RPVH) cleaning, while the water had not yet dried. Attachment C contains pictures taken after the RPVH was totally dry.

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

This letter establishes no new regulatory commitments.

Sincerely,

Dale E. Young
Vice President, Crystal River Nuclear Plant

DEY/lvc

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Attachments:

- A. NRC Question, and FPC Response**
- B. Pictures Taken During Refuel Outage 12, After the RPVH Cleaning, While the Water Had Not Yet Dried on the RPVH**
- C. Pictures Taken After the RPVH Was Totally Dry**

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

STATE OF FLORIDA

COUNTY OF CITRUS


Dale E. Young states that he is the Vice President, Crystal River Nuclear Plant for Progress Energy; 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.



Dale E. Young
Vice President
Crystal River Nuclear Plant

The foregoing document was acknowledged before me this 24th day of July, 2002, by Dale E. Young.




Signature of Notary Public
State of Florida

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

Personally Known ☒ -OR- Produced Identification ☐

FLORIDA POWER CORPORATION

CRYSTAL RIVER UNIT 3

DOCKET NUMBER 50-302/LICENSE NUMBER DPR-72

ATTACHMENT A

NRC Question and FPC Response

NRC Question

Your 15-day response to Bulletin 2002-01 states that you cleaned the reactor pressure vessel (RPV) head in 2001. Following the cleaning of the RPV head, were any significant deposits left on the head (i.e., deposits that prevent seeing the bare metal of the head for an area greater than 1 square inch).

FPC Response

The Inservice Inspection (ISI) group performed the as-found RPV head inspection and subsequent head inspection after cleaning during the Fall 2001 refueling outage. The entire RPV head was visually examined. These examinations revealed evidence of boron on the RPV head. One leaking Control Rod Drive nozzle was found and repaired. Other boric acid deposits were determined to be from previous flange leakage. The deposits were cleaned with water and another visual inspection was performed. A slight sheen was left on the RPV head in some areas, but the bare metal of the RPV head was still visible. This sheen was due to old boric acid residue being left on the head after the water had dried following cleaning. Attachment B contains pictures that were taken immediately after the RPV cleaning. These pictures show some shine caused by water that had not yet dried on the RPV head. Attachment C provides additional pictures that were taken after the RPV head was totally dry.

The visual inspection performed after cleaning the RPV head revealed that there were no significant deposits left on the head.

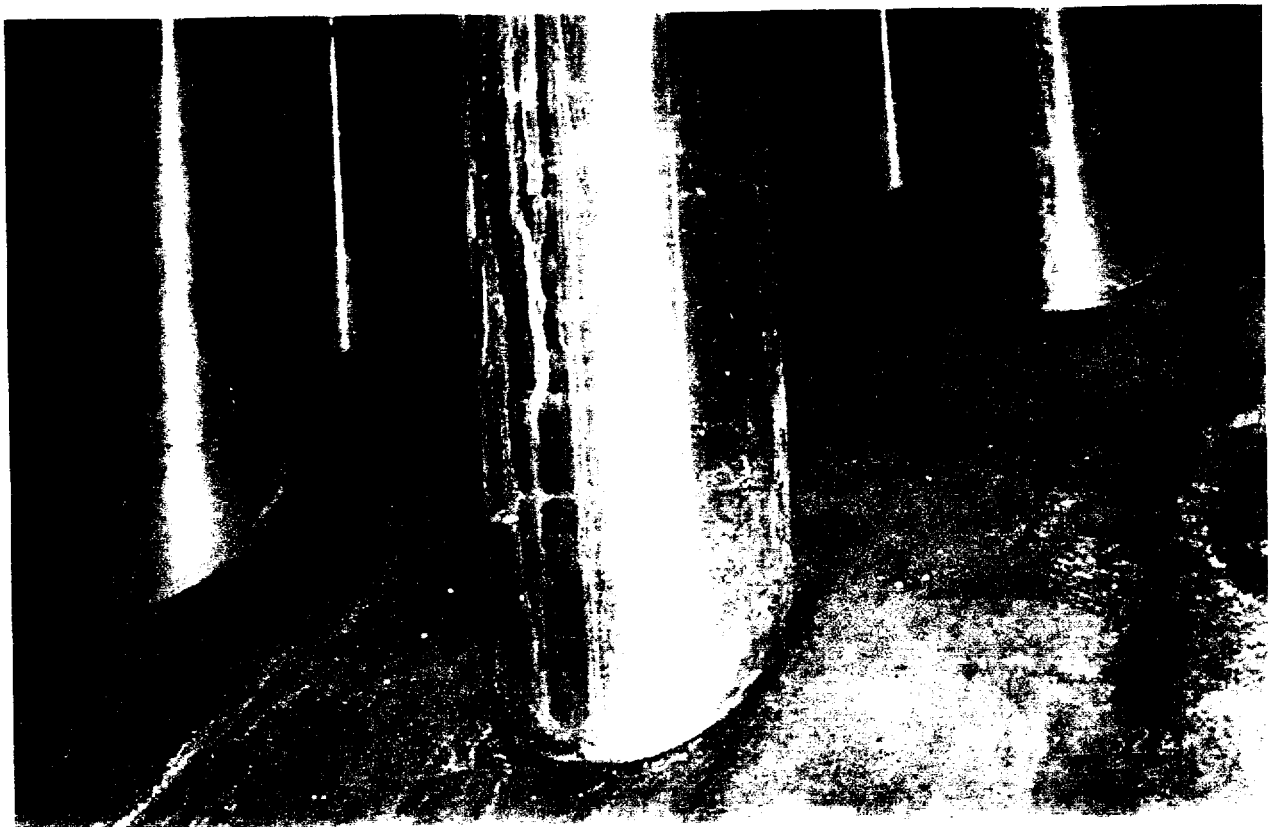
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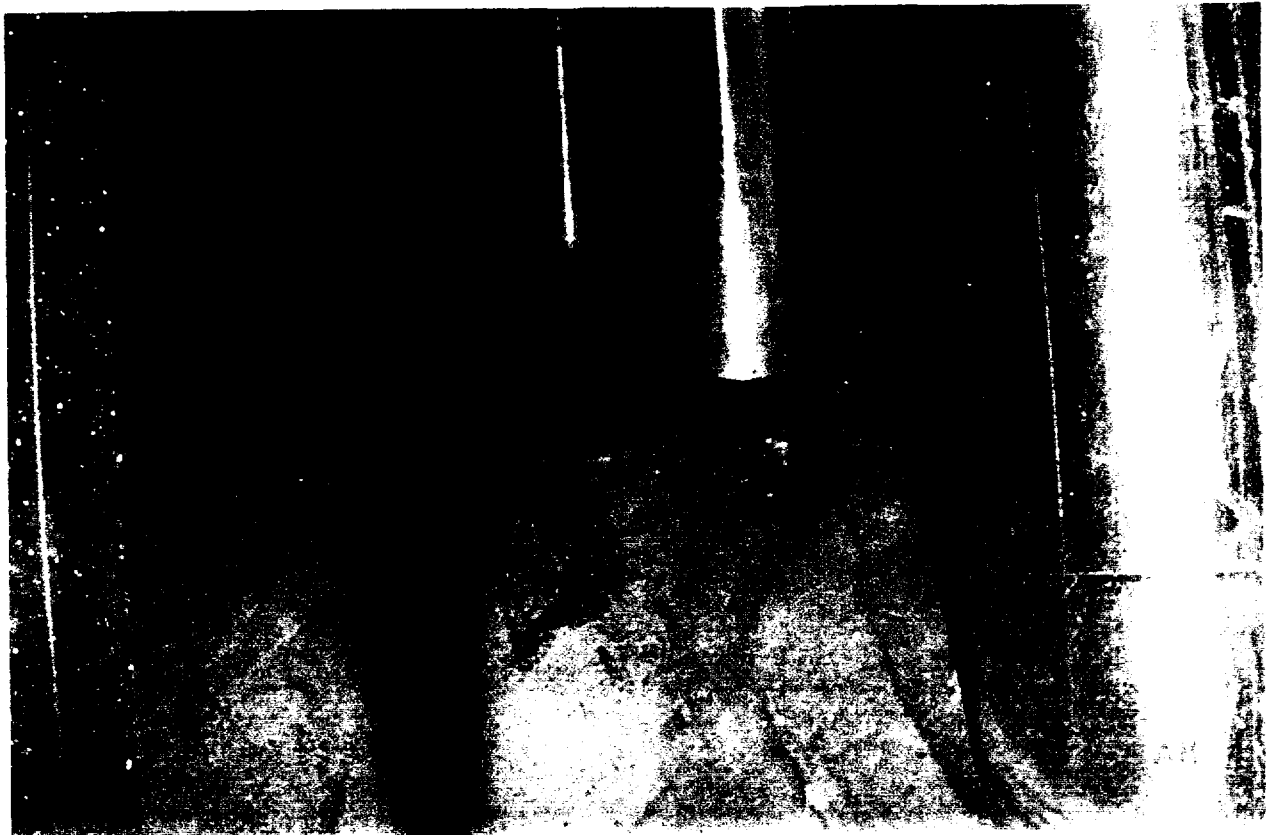
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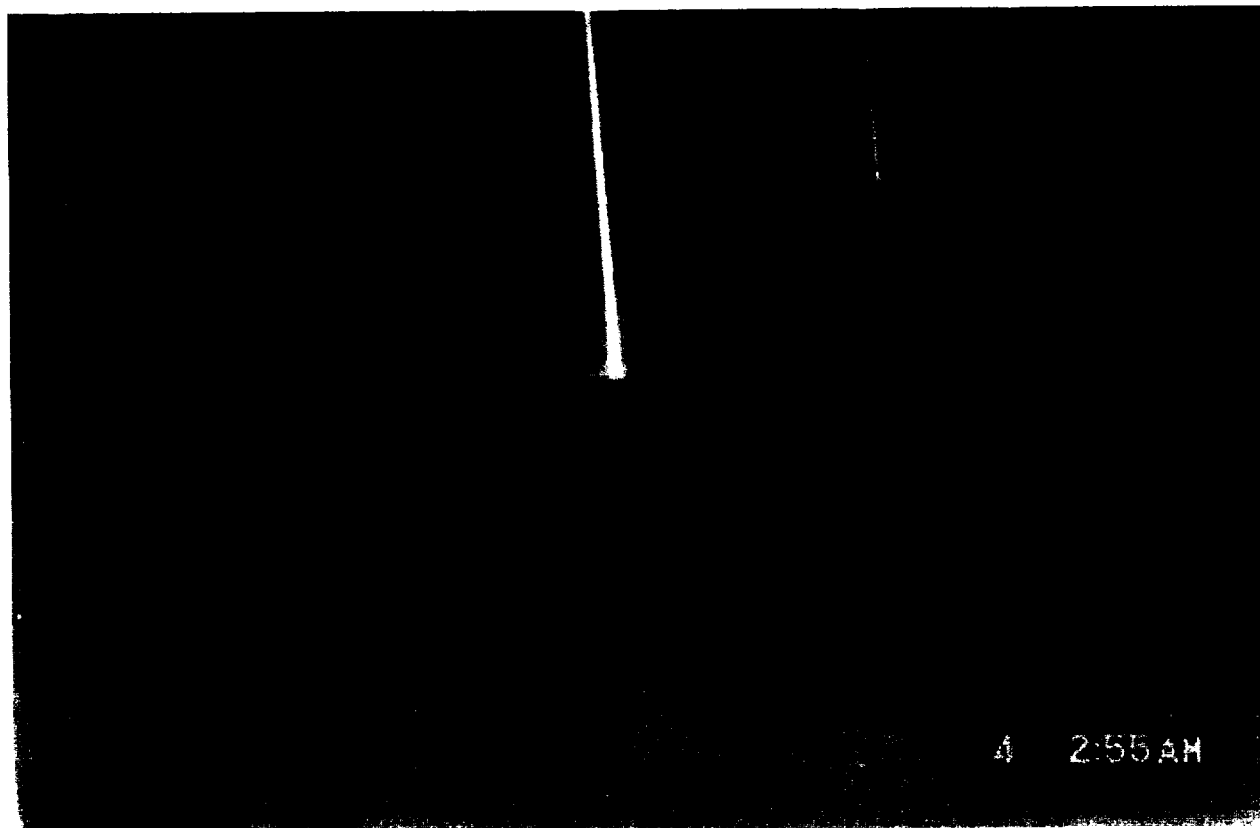
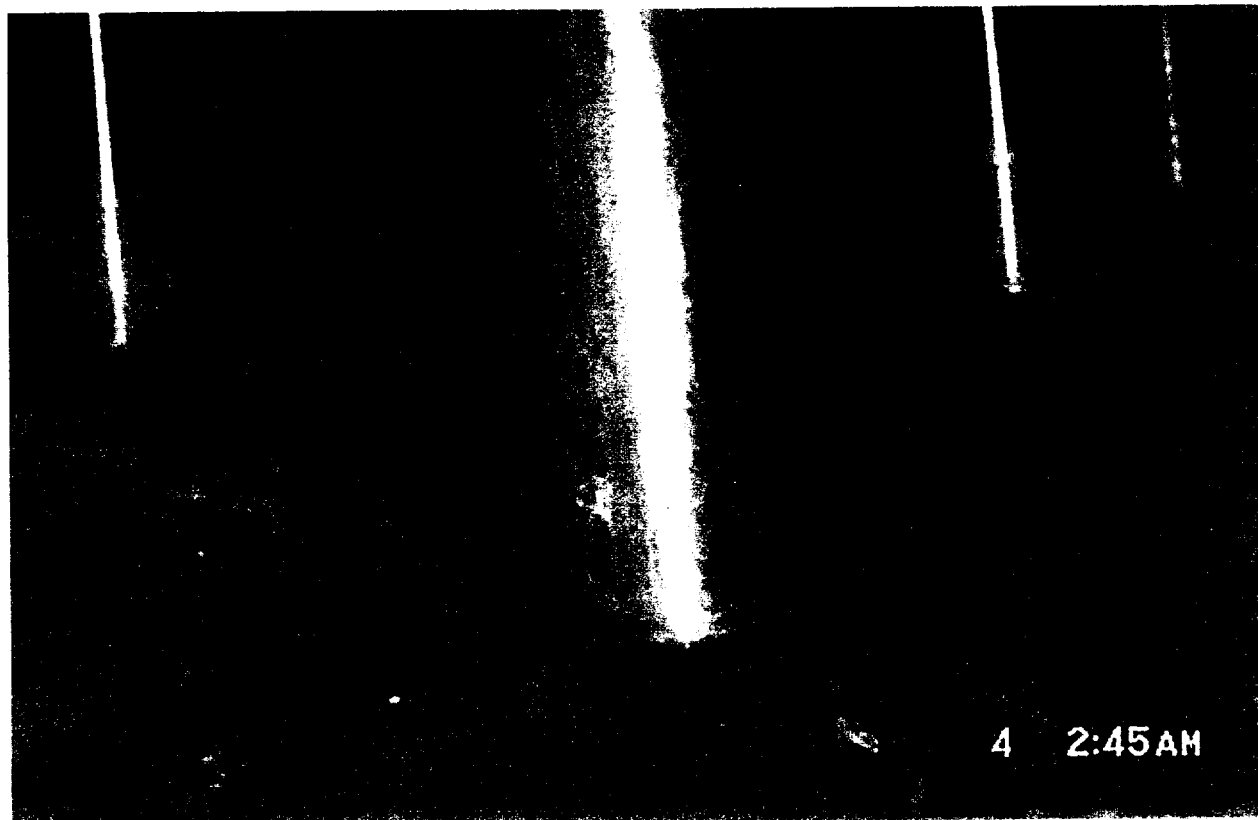
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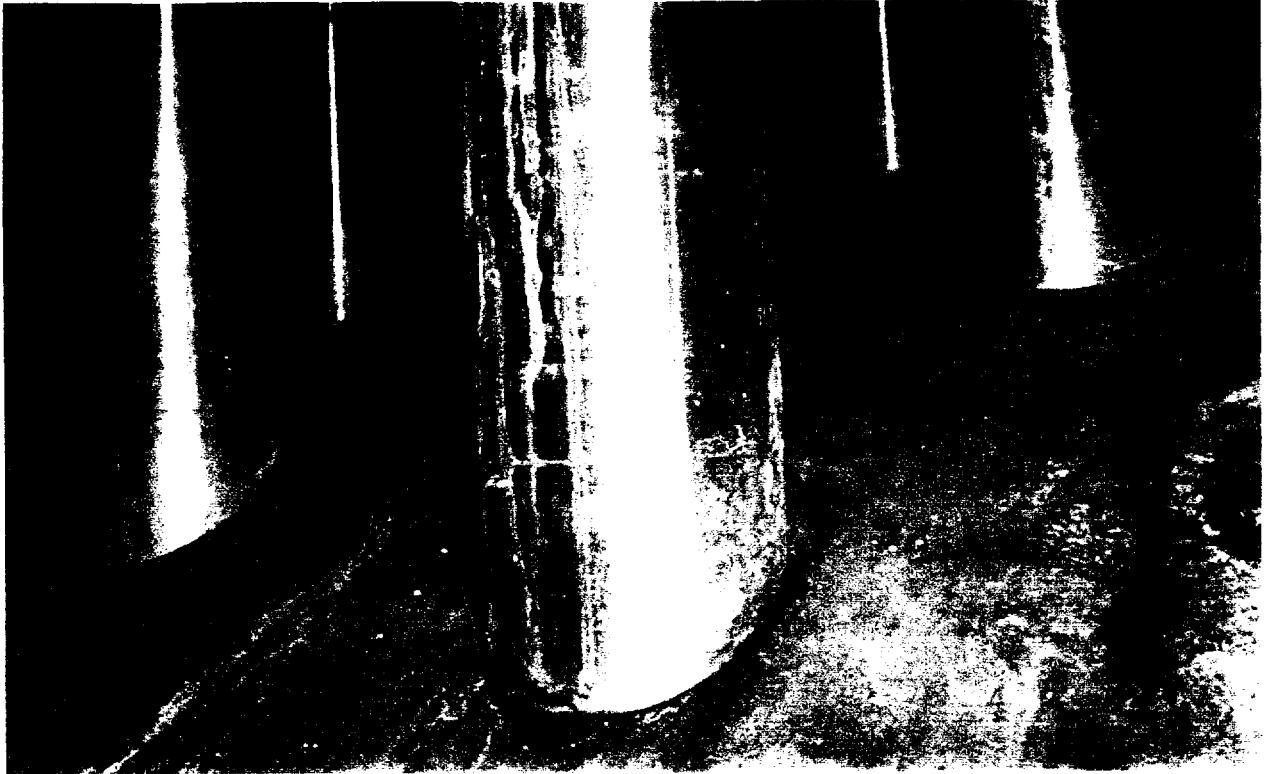
ATTACHMENT B

**Pictures Taken During Refuel Outage 12,
After the RPVH Cleaning,
While the Water Had Not Yet Dried on the RPVH**









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ATTACHMENT C

Pictures Taken After the RPVH Was Totally Dry

