

April 26, 1988

Docket No. 50-302

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Florida Power Corporation  
ATTN: Manager, Nuclear Licensing  
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Crystal River, Florida 32629

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Dear Mr. Wilgus:

SUBJECT: CRYSTAL RIVER UNIT 3: SURVEILLANCE CAPSULES CR3-C  
AND CR3-D REPORTS (TAC NO. 63988)

By letter dated May 15, 1986, the Florida Power Corporation (FPC) submitted two capsule reports, BAW-1898 and BAW-1899, which were based on data from two surveillance capsules, CR3-C and CR3-D, that were removed from the Crystal River Unit 3 (CR-3) reactor. In general, we review a capsule report in detail only when the surveillance data indicates that a change to the heatup, cooldown, and hydrotest pressure-temperature curves in the Technical Specifications is necessary.

We briefly reviewed these two capsule reports and found that FPC used the staff-approved method in Regulatory Guide 1.99, Rev. 2 to predict the increase in reference nil-ductility temperatures of the reactor vessel materials due to neutron irradiation.

The observed increase in reference temperatures of the vessel material is within the predicted values. At this time, we can only conclude that the observed increase in reference temperatures will not affect the existing pressure-temperature curves and that there is no gross error in the licensee's calculation of the increase in the reference temperatures. We will review these two reports in detail when FPC submits a revision to the pressure-temperature curves in the CR-3 Technical Specifications. This concludes our work on TAC No. 63988.

Sincerely,

Harley Silver, Sr. Project Manager  
Project Directorate II-2  
Division of Reactor Projects-I/II  
Office of Nuclear Reactor Regulation

cc: See next page

LA:PDII-2  
DMWyer  
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PM:PDII-2  
HSilver:bg  
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D:PDII-2  
HBerkow  
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Florida Power Corporation

Crystal River Unit No. 3 Nuclear  
Generating Plant

cc:

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