

**Florida  
Power**  
CORPORATION

March 12, 1984  
3F0384-07

Director of Nuclear Reactor Regulation  
Attention: Mr. John F. Stolz, Chief  
Operating Reactors Branch #4  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Subject: Crystal River Unit 3  
Docket No. 50-302  
Operating License No. DPR-72  
Offsite Power Sources

Dear Sir:

Crystal River Unit 3 (CR-3) Technical Specification 3.8.1.1 requires that two independent circuits between the offsite 230KV transmission network and the onsite 1E distribution system be operable in Modes 1, 2, 3, and 4. As described in FSAR Section 8.2.3.1 (Page 3-24), one of these circuits is through the CR-3 startup transformer and the other is through the CR-1 & 2 startup transformer. At the present time, the CR-1 & 2 startup transformer is urgently in need of maintenance. This maintenance will require removal of the transformer from service for up to 7 days. This exceeds the time allowed by the Technical Specification Action Statement (72 hours).

In order to avoid shutting down CR-3 during this maintenance outage, Florida Power Corporation (FPC) proposes to supply power to this circuit from the 230KV offsite transmission network through either the CR-1 or CR-2 distribution system. CR-1 and CR-2 will be undergoing sequential maintenance outages during the next 6 to 8 week period. The attached marked up copy of FSAR Figure 8-2 shows the two proposed paths.

The present circuit for the Unit 3 4160V cable tie is from the 230KV switchyard through the CR-1 & 2 startup transformer to the Unit 3 4160V cable tie. The proposed circuit through the Unit 2 distribution system (Path 1) is from the 230KV switchyard, through the Unit 2 step-up transformer (with the links connecting the Unit 2 generator removed), through the Unit 2 station service transformer, through breaker 21B, through the 4160V unit bus 2B, through breaker 22B and to the Unit 3 4160V cable tie. The proposed circuit through the Unit 1 distribution system (Path 2) is from the 230KV switchyard, through the Unit 1 step-up transformers (with the links connecting the Unit 1 generator removed), through the Unit 1 station service

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transformer, through breaker 11B, through 4160V unit bus 1B, through breaker 15B, through 4160V start-up bus B, through breaker 12B to the Unit 3 4160V cable tie. A review of all components involved in these paths showed that there is ample capacity to supply the Engineered Safeguards busses at CR-3.

As this action represents a change in the plant, as described in the FSAR, it is submitted for your review and approval prior to implementation. Since the number of components in the circuit will increase, the probability of failure will also increase somewhat. However, considering the reliability of the equipment and the length of time involved, FPC considers this to be an insignificant decrease in the overall reliability of the offsite power supply. This action has been discussed with the senior site resident inspector and will be approved by the Plant Review Committee prior to implementation.

FPC considers either of these paths to be adequately reliable to ensure the supply of offsite power to CR-3 during this brief period.

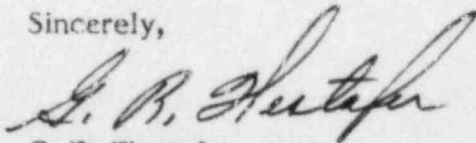
Consideration was given to a request for extension of the Action Statement time limit, but the proposed alternative is considered superior for two reasons. First, two independent sources of offsite power would be available as required by the Technical Specification. Second, the Technical Specification Action Statement requires that a diesel generator be started every 8 hours. This causes unnecessary wear on the diesels and increases the probability of failure.

FPC requests your prompt concurrence with this proposed plan of action so that the maintenance outage may begin as soon as possible.

FPC considers this request to be a Class III review per 10CFR170.22 as it involves a single safety issue. Accordingly, a check for four thousand dollars (\$4,000) is enclosed.

If there are any questions, please contact this office.

Sincerely,



G. R. Westafer  
Manager, Nuclear Operations  
Licensing and Fuel Management

Attachment

AEF/feb

cc: Mr. James P. O'Reilly  
Regional Administrator, Region II  
Office of Inspection & Enforcement  
U.S. Nuclear Regulatory Commission  
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Atlanta, GA 30303