

**Florida
Power**
CORPORATION
Crystal River Unit 3
Docket No. 80-302

July 22, 1994
3F0794-09

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Subject: Installation of Auxiliary Feedwater Pump FWP-7

Reference: NRC to FPC letter, 3N0694-04, dated June 6, 1994

Dear Sir:

Florida Power Corporation (FPC) is submitting this letter in response to the request in the reference letter. The NRC requested a schedule of activities dealing with Auxiliary Feedwater Pump FWP-7.

Pump FWP-7 was originally scheduled to be installed in Refuel 8 in 1992. While the majority of the installation work was performed during that outage, motor vibration levels were not acceptable to FPC for final acceptance from the FWP-7 vendor. FPC deferred completion of the system installation until the 1993 mid-cycle outage, 9M, while FPC Engineering and the FWP-7 vendor evaluated vibration causes and fixes. During the 9M outage, modifications were made to the motor mounting pad to reduce the motor vibration. With these pad modifications installed, functional testing of the FWP-7 system was completed. This testing included a 48 hour run, as well as, delivering full rated flow through flow control valves FWV-216 and FWV-217 to the steam generators. Tests were completed and the system met the acceptance criteria in March 1993. Although the vibration level remained higher than desired, FWP-7 was turned over to CR-3 Operations on April 17, 1993 with no restrictions on its use. FPC has considered FWP-7 to have been operable since the restart from the 9M outage.

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During the 1993 testing following motor pad modification, the motor vibrations were observed to remain higher than FPC desired, but below ASME Section XI "action" levels. We wanted to reduce the motor vibrations to help assure long term reliability. Toward this goal, FPC developed a modification to the motor mounting pad. This modification was completed (installed/tested) by July 8, 1994 with motor vibration levels well below ASME alert levels. Motor vibration is no longer a concern with FWP-7.

FPC remains committed to periodic testing of FWP-7. A periodic test was performed on June 6, 1994. FPC will test FWP-7 on a quarterly basis at least for the remainder of 1994. FPC may choose to increase the time between tests if our testing shows that performance is satisfactory.

In summary, the specific schedules requested by the reference letter are:

- (1) Modifications to reduce FWP-7 motor vibrations were completed on July 8, 1994;
- (2) SP-348A the surveillance procedure for periodically testing FWP-7, was initially performed on June 6, 1994;
- (3) System turnover to Operations took place on April 17, 1993; and,
- (4) System testing for full flow to the steam generators was completed in March 1993.

Sincerely,


P. M. Beard, Jr.
Senior Vice President
Nuclear Operations

PMB/JWT

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