

## Florida Power

CORPORATION  
Crystal River Unit 3  
Docket No. 50-302

November 28, 1997  
3F1197-56

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

Subject: LICENSEE EVENT REPORT (LER) 50-302/79-005/01T-1

Dear Sir:

In Licensee Event Report 50-302/79-005/01T-1, dated April 27, 1979, Florida Power Corporation (FPC) reported a condition where the Main Steam Isolation Valves (MSIV) may not close within the design time of five seconds during a double ended pipe rupture. In the LER, FPC committed to modify the internals of the four MSIVs and upgrade the air circuit to a Seismic Class I air supply. The modification was expected to result in the MSIVs being able to close within five seconds.

The MSIV closing time analysis performed by the valve vendor in 1979 was based on the full design pressure of the Main Steam system (1050 psig). This analysis concluded that an air assist was necessary in order to achieve the required five second closure. This analysis resulted in the LER and FPC's commitment to upgrade the air supply and modify the MSIV internals. In March of 1979, the valve vendor determined the proposed modification to the MSIV internals would not achieve the desired results. Therefore, FPC opted not to perform the internals modification.

In October of 1997, a new MSIV closing analysis was performed by the valve vendor. The new analysis was based on the maximum error-corrected steam line pressure (640 psig) following a Main Steam Line Break. At this pressure, which is considered a worst case value, the new analysis shows that the MSIVs will close within five seconds with no credit taken for the air assist normally supplied by the non-seismic air circuit. Therefore, FPC has determined upgrading the air circuit to Seismic Class I will not be necessary.

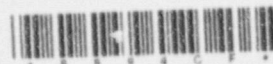
Sincerely,

M. W. Renscheck  
Director  
Nuclear Engineering and Projects

MWR/pmp

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



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