



**Florida  
Power**  
CORPORATION

9 February 1977  
3-0-3-a-1  
CS-77-22



Mr. Norman C. Moseley, Director  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
230 Peachtree St., N.W., Suite 818  
Atlanta, Georgia 30303

Docket No. 50-392  
License #DPR-72  
Licensee Event Report 77-8

Dear Mr. Moseley:

This report is submitted in accordance with Technical Specification 6.9.1 and Regulatory Guide 1.16, Revision 4, Section 2.a.(4) as a written Fourteen (14) Day Report. Your office was notified on 3 February 1977 of this event.

While in Mode 3 (Hot Standby) during startup, routine chemistry surveillance disclosed a Boron dilution of approximately 50 ppm. This constituted a 0.57% reactivity insertion.

The cause of this event was inadvertent restoration of an unborated makeup and purification demineralizer following the loss of a 4160V unit bus. The demineralizer was immediately by-passed.

The shutdown margin remained greater than 4%  $\Delta K/K$  and all Safety Rod Groups were withdrawn and cocked. Therefore, no adverse consequences resulted.

Very truly yours,

FLORIDA POWER CORPORATION

*W. P. Stewart*

W. P. Stewart  
Director, Power Production

DWP/ib

Enclosure

*P. J. AS for G.P.B.*  
Nuclear Plant Manager

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