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January 21, 1985
L-85-39

Mr. James P. O'Reilly
Regional Administrator, Region II
U. S. Nuclear Regulatory Commission
Suite 2900
101 Marietta Street, NW
Atlanta, GA 30323

Dear Mr. O'Reilly:

Re: St. Lucie Unit 2
Docket No. 50-389
Special Report - Diesel Generator

The information in this special report is submitted in accordance with Technical Specification 4.8.1.1.3 for St. Lucie Unit 2.

On December 20, 1984, during a surveillance run of the 2B Diesel Generator (D/G) while the plant was shutdown, the operator noted a problem at one of the radiator cooling fans and stopped the D/G. The investigation showed that set screws securing the fan hub and its key to the shaft had loosened, the hub was loose, and the hub had a circumferential crack. Since a new fan hub had to be fabricated, a plant change/modification was issued to enhance its design to eliminate the possibility of the set screws coming loose. The PCM was incorporated on the 2B D/G 12 cylinder engine fans only. All other fans were checked and found satisfactory for continued use, however, the new hubs are to be installed on the remaining Unit 2 D.G fans as a reliability enhancement.

This is the second problem with the 2B Diesel Generator in the last 100 valid tests. The 2B D/G was out of service for 96 hours as a result of this event. The plant remained shutdown during the period the D/G was out of service. The current surveillance interval for the St. Lucie Unit 2 Diesel Generators is not more than 7 days in accordance with Regulatory Position C.2.d. of Reg. Guide 1.108.

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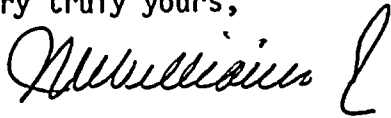
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PEOPLE...SERVING PEOPLE

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Should you or your staff have any questions on this information, please contact us.

Very truly yours,



J. W. Williams, Jr.
Group Vice President
Nuclear Energy

JNW/PLP/js

Attachment

cc: Harold F. Reis, Esquire
PNS-LI-85-040-1