

NRC REGION II
PLANT & GEORGIA
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April 18, 1983
L-83-241

Mr. James P. O'Reilly
Regional Administrator, Region II
U. S. Nuclear Regulatory Commission
101 Marietta Street, Suite 2900
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

RE: St. Lucie Plant - Unit #2
Docket No. 50-389/50.55(e) - 83-007
HPSI Pump Bearing Bracket Drain

On March 18, 1983, Florida Power & Light Company notified NRC, Region II, of a potential 10 CFR 50.55(e) condition existing at the site involving HPSI Pump Bearing Bracket Drains..

Pursuant to the requirements of 10 CFR 50.55(e), a final report is attached.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems and Technology

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I. Summary

During an inspection of the high pressure safety injection (HPSI) pumps, the existence of closed valves in the bearing bracket drain lines was observed. If these valves remained closed, water leaking from the pump shaft seals could collect and contaminate the oil in the bearings. Such contamination could result in bearing damage, however, it is very unlikely that any significant bearing damage would go undetected. Therefore safe operation would not be affected and this issue is not reportable according to the criteria of 10 CFR 50.55(e).

II. Description

Drawing number E-13172-310-105, Revision 15 shows the following HPSI pump bearing bracket drain lines and valves:

<u>HPSI Pump</u>	<u>Drain Line</u>	<u>Drain Valve</u>
#2A	3/8-SI-831	V-3762
#2A	3/4-SI-832	V-3677
#2B	3/8-SI-835	V-3763
#2B	3/4-SI-836	V-3681

III. Corrective Action

The drain lines and valves identified above will be removed and replaced with an un-valved drain line. This change will be completed prior to full power operation. In the meantime, the drain valves identified above will be maintained in the open position.

IV. Safety Implication

If the drain valves were closed and if there was enough seal leakage to result in contamination of the bearing oil, some bearing damage could occur. However, any such damage would be detected during routine testing and surveillance, which is performed according to the ASME Code, Section XI, (as required by Technical Specification 4.0.5). Any damage would occur gradually and would be detected prior to impacting on the safety function of the HPSI pumps. Therefore, safe operation of St. Lucie Unit 2 would not be affected by closed HPSI pump bearing bracket drain valves.

V. Conclusions

This issue is not reportable according to the criteria of 10 CFR 50.55(e).

This report is final and completes requirements for reporting to the NRC.