LOUISIANA POWER & LIGHT / 142 DELARONDE STREET
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MIDDLE SOUTH UTILITIES SYSTEM

May 20, 1983

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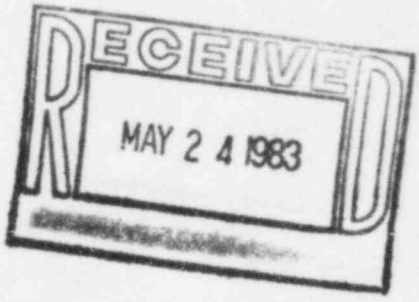
Q-3-A35.07.80



Mr. John T. Collins, Regional Administrator, Region IV
U. S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76012

SUBJECT: Waterford SES Unit No. 3
Docket No. 50-382
Significant Construction Deficiency No. 80
"Unsatisfactory Stroking of EFW Pump
Turbine Steam Shut Off Valves"
First Interim Report

REFERENCE: Telecon dated April 20, 1983 to W. A. Crossman from M. A. Livesay

Dear Mr. Collins:

In accordance with the requirements of 10CFR50.55(e), we are hereby providing two copies of the Interim Report of Significant Construction Deficiency No. 80, "Unsatisfactory Stroking of EFW Pump Turbine Steam Shut Off Valves". This item was previously identified as PRD 113.

If you have any questions, please advise.

Very truly yours,

F. J. Drummond
Project Support Manager - Nuclear

FJD/MAL:keh

Attachment

cc: 1) Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

2) Director
Office of Management
Information and Program Control
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

3) Mr. E. L. Blake

4) Mr. W. M. Stevenson

IE-27

INTERIM REPORT
OF SIGNIFICANT CONSTRUCTION DEFICIENCY NO. 80
"UNSATISFACTORY STROKING OF EFW PUMP TURBINE STEAM
SHUT OFF VALVES"

INTRODUCTION

This report is submitted pursuant to 10CFR50.55(e). This report describes a deficiency in the automatic operation of valves 2MS-V611A and 2MS-V612B in the Main Steam System. This problem is considered reportable under the requirements of 10CFR50.55(e). To the best of our knowledge this deficiency has not been reported to the USNRC pursuant to 10CFR21.

DESCRIPTION

During Hot Functional Testing, automatic operation of valves 2MS-611A and 2MS-V612B were found to be unsatisfactory. Stroking of the valves was not smooth and excessive force was needed to open the valves. The vendor representative was called in to look into the problem. With new springs and proper lubrication to overcome the friction, the valves were stroked several times before completion of the Hot Functional testing, however, the stroking was still deemed unsatisfactory due to the hesitation experienced in opening of the valves.

SAFETY IMPLICATIONS

These valves are located in the steam supply line to the emergency feedwater pump turbine. This steam supply is a diverse power source used to ensure that the Emergency Feedwater System (EFS) is capable of performing its function with complete loss of AC power. The function of the EFS is to ensure a sufficient supply of cooling water to the steam generators following a main steam or feedwater line break or loss of normal feedwater to provide cooldown of the Reactor Coolant System to the temperature and pressure at which the Shutdown Cooling System can be placed into operation. Therefore, failure of the above valves to open could adversely affect the safe shutdown of the plant if left uncorrected.

CORRECTIVE ACTION TAKEN

NCR W3-6115 has been initiated to track and document this deficiency. Anchor-Darling, the supplier of the above valves, concluded their site evaluation on these valves and submitted a report on April 29, 1983. In summary, the vendor states that it is his opinion that the existing valves and operators will function properly and are adequate for their intended service. Some of the corrective action such as replacing the springs and lapping the seating surfaces to minimize binding, have been completed.

The evaluation of this condition is continuing and an update or final report will be submitted on or before July 29, 1983.