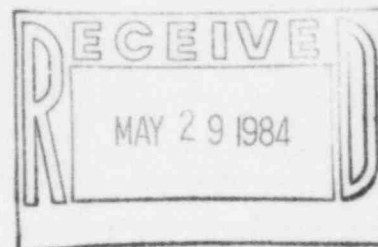


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May 24, 1984

W3K84-1247
Q-3-A35.07.111



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

REFERENCE: 1) Telecon C. N. Hooper (LP&L) and W. Crossman (NRC IV) dated
April 17, 1984
2) Telecon C. N. Hooper (LP&L) and J. Jaudon (NRC IV) dated
May 16, 1984

Dear Mr. Collins:

SUBJECT: Waterford SES Unit No. 3
Docket No. 50-382
Significant Construction Deficiency No. 111
"Diesel Generator "A" Fuel Oil Pump"
Final Report

In accordance with requirements of 10CFR50.55(e), we are hereby providing two copies of the Final Report for Significant Construction Deficiency No. 111, "Diesel Generator "A" Fuel Oil Pump".

This item was previously reported as PRD No. 167.

If you have any questions, please advise.

Very truly yours,

T. F. Gerrets
Corporate Quality Assurance Manager

TFG:CNH:VBR

Attachment

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

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Mr. John T. Collins

May 24, 1984

W3K84-1247

Page 2

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

Mr. E. L. Blake
Shaw, Pittman, Potts & Trowbridge
1800 M Street, N.W.
Washington, D.C. 20036

Mr. W. M. Stevenson
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1424 Whitney Building
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Records Center
Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339

Mr. W. A. Cross
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FINAL REPORT OF
SIGNIFICANT CONSTRUCTION DEFICIENCY NO. 111
"DIESEL GENERATOR "A" FUEL OIL PUMP"

INTRODUCTION

This report is submittal pursuant to 10CFR50.55(e), the report describes the failure of a fuel oil pump which subsequently caused a shutdown of the 3A-S Diesel Generator.

This deficiency is not considered reportable pursuant to 10CFR21.

DESCRIPTION

On April 6, 1983, while troubleshooting governor problems associated with Emergency Diesel Generator (EDG) 3A-S, the engine fuel oil pump bearing failed. The failure was sudden and was witnessed by personnel monitoring the EDG. The cause of the failure has been investigated but could not be ascertained. The deficiency was initially evaluated as not reportable. During a Joint Test Group review of the "EDG" Reliability Report" the deficiency was reevaluated as reportable.

SAFETY IMPLICATIONS

Had the deficiency gone uncorrected the failure of the fuel oil pump could have prevented the "A" EDG from carrying out its design function during a loss of offsite power.

CORRECTIVE ACTION

The fuel oil pump was immediately replaced with a spare and tested satisfactorily. No other fuel oil pump failures on either engine have occurred since the time of this occurrence.

The vendor was contacted to determine if other failures had occurred. The vendor indicated that no other failures of KSV fuel oil pumps have been identified on nuclear grade equipment and the occurrence is isolated to Waterford-3.

To ensure that deficiencies are properly evaluated when first identified, the Nuclear operations QA Group has conducted training and upgraded the approved program for deficiency evaluation.

This report is submitted as the Final Report.