



**LOUISIANA
POWER & LIGHT**

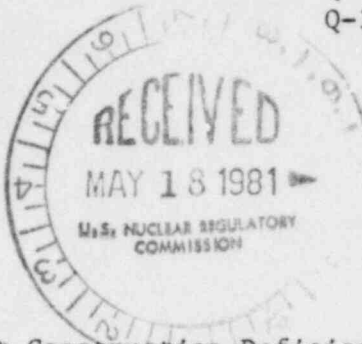
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D. L. ASWELL
Vice President-Power Production

May 8, 1981

W3K-0169
Q-3-A35.07.28
Q-3-A35.02.01

Mr. K. V. Seyfrit, Director, Region IV
U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76012



SUBJECT: Waterford SES Unit No. 3
Docket No. 50-382
Interim Report of Significant Construction Deficiency No. 28
"Two-Inch and Below Schedule 160 Socket Welds Undersize"

Reference: Telcon - L. J. Bass (LP&L) to B. Hubacek (NRC) on April 15, 1981

Dear Mr. Seyfrit:

In accordance with the requirements of 10CFR50.55(e), we are hereby providing two copies of the Interim Report of Significant Construction Deficiency No. 28, "Two-Inch and Below Schedule 160 Socket Welds Undersize."

If you have any questions, please advise.

Very truly yours,

D. L. Aswell

LLB:grf

- cc: 1) Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555
(with 15 copies of report)
- 2) Director
Office of Management
Information and Program Control
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555
(with 1 copy of report)

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LOUISIANA POWER & LIGHT COMPANY

WATERFORD SES UNIT NO. 3

Interim Report of
Significant Construction Deficiency No. 28

"Two-Inch and Below Schedule 160 Socket Welds Undersize"

Reviewed by *R. J. Milhiser* 5/4/81
R. J. Milhiser - Site Manager Date

Reviewed by *J. L. Wills* 5/4/81
J. L. Wills - Project Superintendent Date

Reviewed by *C. Hart* 5-4-81
J. Hart - Project Licensing Engineer Date

Reviewed by *R. A. Hartnett* 5-4-81
R. A. Hartnett - Q. A. Site Supervisor Date

May 4, 1981

INTERIM REPORT OF
SIGNIFICANT CONSTRUCTION DEFICIENCY NO. 28
"TWO-INCH AND BELOW SCHEDULE 160 SOCKET WELDS UNDERSIZE"

INTRODUCTION

This report is submitted pursuant to 10CFR50.55(e). It describes a welding deficiency concerned with ASME Subsections NB, NC and ND Socket Welds.

DESCRIPTION

The weld deposit for 2" Schedule 160 Socket Welds is required by ASME Section III Subsections NB, NC and ND to be $3/8$ " measured with a fillet weld gage. As a result of problems reported at another facility and an Ebasco Quality Assurance Surveillance Report, sampling re-inspection of sockets welded by Tompkins-Beckwith, Inc., was conducted during the Fall of 1980. These sampling inspections identified that some socket welds did not meet the Code criteria and this was documented on Nonconformance Report W3-2461 dated January 19, 1981. The preliminary inspection indicated that the weld deposits were $5/16$ ". Further inspections of the 2" Schedule 160 Socket Welds revealed that a significant number of the approximately 1600 socket welds have a weld deposit in the $1/4$ " to $5/16$ " range.

SAFETY IMPLICATIONS

Since these welds are more than $1/16$ " below the $3/8$ " size that is required by the ASME Code and have reduced the safety margin of the original design considerably, there is the possibility that these socket welds could fail during plant operation.

CORRECTIVE ACTION

The 2" Schedule 160 Socket Welds are being measured and additional weld material is being deposited to bring the affected socket welds into compliance with the ASME Code. Corrective action will be accomplished and a Final Report submitted on or before July 31, 1981.