



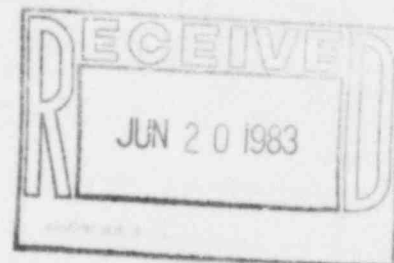
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June 15, 1983

W3I83-0214
Q-3-A35.07.84

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 Report No. 84
"Tube Track Welding Deficiencies"
First Interim Report

Reference: Telecon from M. A. Livesay to W. A. Crossman on May 16, 1983

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. 84, "Tube Track Welding Deficiencies". This item was originally identified as Potentially Reportable Deficiency No. 117.

Very truly yours,

F. J. Drummond

FJD/MAL/grf

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|--|------------------------|
| cc: 1) Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555 | 2) Mr. E. L. Blake |
| 2) Director
Office of Management
Information and Program Control
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555 | 4) Mr. W. M. Stevenson |

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INTERIM REPORT OF
SIGNIFICANT CONSTRUCTION DEFICIENCY NO. 84
"TUBE TRACK WELDING DEFICIENCIES"

INTRODUCTION

This report is submitted pursuant to 10CFR50.55(e). It describes welding deficiencies on tube tracks used for the routing and support of instrumentation lines in safety related systems.

To the best of our knowledge, this deficiency has not been reported to the USNRC pursuant to 10CFR21.

DESCRIPTION

During sample inspection of instrumentation tube track welding, it was discovered that the welding did not meet AWS D1.1 requirements. Also, the welders who were qualified to weld in accordance with Mercury welding procedure WPS-B which requires a backing strap to initiate the welding, were not using the backing strap (i.e.: open butt welding). At the present time, Ebasco Engineering has completed the evaluation of this deficiency and has authorized corrective actions described below.

SAFETY IMPLICATIONS

The tube track in question supports the instrumentation tubing for safety related systems. The subject tubing leads to instruments that are required for plant parameter monitoring and safe shutdown of the plant. If the subject deficiencies were left uncorrected, degradation could occur resulting in failure of the instruments to provide reliable information required by the reactor operators.

CORRECTIVE ACTION TAKEN

Nonconformance Report W3-6159 was initiated to track and document this deficiency.

FCR-ICP-561 R-1 was issued May 11, 1983 by Ebasco Engineering to provide guidelines for implementation of corrective action.

An update or Final Report will be submitted to the USNRC on or before August 31, 1983.

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