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DESCRIPTION Consists of Tendon Surveillance interim Report...Furnishing information on tendon wire tested for tensil strength...		ENCLOSURE		
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August 24, 1977

1-087-6

Mr. E. Morris Howard, Director
Office of Inspection & Enforcement
Region IV
U. S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011



Subject: Arkansas Nuclear One-Unit 1
Docket No. 50-313
License No. DPR-51
Tendon Surveillance Report
File: 0520.2

General:

Pursuant to Arkansas Nuclear One-Unit 1 Technical Specification 6.12.4, we are submitting the following information concerning the subject report.

As required, one tendon wire from each of the three tendon families (dome, vertical and loop) was tested for tensile strength. The tensile strength for two of the three samples taken from a wire in hoop tendon 32H14 fell below the required minimum tensile strength of 240 ksi. A fourth sample was taken from the same wire and tested. The results were also below the minimum tensile strength. The highest tensile strength recorded for these tests was 246 ksi and the lowest value recorded was 229 ksi. These four tests were done on May 24 and 25, 1977, using 100-inch samples in accordance with Section 7.3 of Operating Procedure 1304.91.

At this time, a total of 46 hoop tendons have been identified as having the same heat of material as tendon 32H14. An engineering evaluation is in progress to determine if this decrease in tensile strength constitutes abnormal degradation of the primary containment.

Therefore, we now submit this interim report on Tendon Surveillance and

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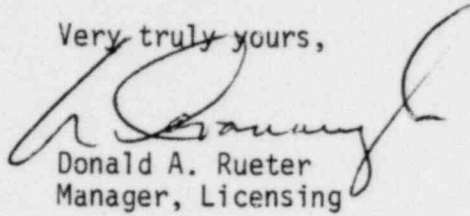
Mr. E. Morris Howard

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August 24, 1977

propose to submit a final report no later than November 1, 1977.

Very truly yours,

A handwritten signature in dark ink, appearing to read "D. Rueter", written in a cursive style.

Donald A. Rueter
Manager, Licensing

DAR:DGM:aw