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SCHWENCER,A. Licensing Branch 2

SUBJECT: Forwards revised FSAR Section 3.6 to clarify analysis of leakage cracks in high energy sys.Tabulated stresses for remainder of pipe break & missile study analysis will be submitted by 831209 upon completing final analysis.

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November 17, 1983
G02-83-1070

Docket No. 50-397

Director of Nuclear Reactor Regulation
Attention: Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Schwencer:

Subject: NUCLEAR PROJECT NO. 2
FSAR SECTION 3.6 NOTES ON STRESS
TABULATIONS AND HIGH ENERGY LEAKAGE CRACKS

Reference: Letter, G02-83-1031, G. C. Sorensen (SS) to A. Schwencer (NRC), same subject, dated November 7, 1983

As requested during a phone conversation on November 10, 1983, between Mr. R. Auluck and Ms. R. Li (NRC) and Messrs. D. Bosi and P. Powell (SS), the attached and revised FSAR section is provided to additionally clarify the analysis of leakage cracks in high energy systems. This attachment supercedes Attachment 2 provided by the referenced letter.

Additionally, the reference provided a "Summary of Postulated Pipe Break Locations" for the Low Pressure Core Spray System. Tabulated stresses for the remainder of the pipe break and missile study analysis will be submitted, upon completion of the final as-built analysis, by December 9, 1983.

Should you have any questions, please contact Mr. P. L. Powell, Manager, WNP-2 Licensing.

Very truly yours,

G. C. Sorensen, Manager
Regulatory Programs

PLP/tmh
Attachment

cc: R Auluck - NRC
WS Chin - BPA
R Li - NRC
AD Toth - NRC Site

B001
1/1

ATTACHMENT 2

FSAR Section 3.6.2.1.3

The first paragraph will be revised as follows:

> "Cracks in high energy systems, regardless of ASME Code Classification, were evaluated at WNP-2 both inside and outside of containment. A physical inspection of each high energy line was completed to determine locations where adjacent safety related equipment or systems may be susceptible to jet impingement from cracks in high energy lines. Inside containment it was found that the circumferential or longitudinal high energy line breaks bounded the structural and environmental consequences produced by a leakage crack at any location in a high energy line. Outside containment analyses were completed or protection was provided to ensure that critical plant systems are not harmed by leakage cracks in adjacent high energy systems."