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SCHWENCER,A. Licensing Branch 2

SUBJECT: Documents 820625 telcon concerning NRC approval for use of ASME Code Case N-316 re alternative rules for fillet weld dimensions for socket welded fittings.Case rept encl.

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Washington Public Power Supply System
P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 372-5000

July 8, 1982
G02-82-583
SS-L-02-PLP-82-047

Docket No. 50-397

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
USE OF ASME CODE CASE N-316, ALTERNATIVE RULES FOR FILLET WELD DIMENSIONS FOR SOCKET WELDED FITTINGS (ATTACHED)

This letter documents NRC approval of the subject code case as related by a phone conversation between Messrs. O. Smith (NRC) and T.A. Stanley (Supply System) on June 25, 1982. As discussed, the subject code case has been accepted by the NRC as written with no additional requirements other than those shown on the attached case report.

Per this understanding of approval, the Supply System will implement the code case on Nuclear Project No. 2.

Very truly yours,

GD Bouchey

G. D. Bouchey
Deputy Director, Safety and Security

TAS/jca
Attachment

cc: R Auluck - NRC
WS Chin - BPA
R Feil - NRC Site
O Smith - NRC

B001

Meeting of September 4, 1981
Approved by Council, December 11, 1981

This Case shall expire on December 11, 1984 unless previously annulled or reaffirmed.

Case N-316
Alternative Rules for Fillet Weld Dimensions for Socket Welded Fittings
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Approved by Council, December 11, 1981

This Case shall expire on December 11, 1984 unless previously annulled or reaffirmed.

Case N-316
Alternative Rules for Fillet Weld Dimensions for Socket Welded Fittings
Section III, Division 1, Class 1, 2, and 3

Inquiry: What alternative rules may be used for fillet weld dimensions for Section III, Division 1, Class 1, 2, and 3 socket welded fittings?

Reply: It is the opinion of the Committee that the following rules may be used as an alternative to the minimum welding dimensions for socket welded fittings shown in Fig. NB/NC/ND 4427-1 for Section III, Division 1, Class 1, 2, and 3 socket welded fittings:

(1) C_x min. = 0.75 t_1,

but shall be a minimum of 1/8 in. for nominal pipe sizes greater than ½ in., where:

t_1 = minimum thickness of the socket wall as specified in ANSI B16.11.

(2) For Class 1 piping, the B_1, B_2, C_1, C_2, C_3, and C'_3 stress indices shall be taken as the larger of $i/(C_x$ min.) or 1.00 times the indices given in Table NB-3681(a)-1. For Class 2 or 3 piping, the i-factor shall be taken as $2.1t/C_x$ min.), but not less than 2.1.

(3) All other requirements of Section III, Division 1, for the applicable Class of construction shall be met.

(4) The Case number and the revision shall be indicated on the appropriate Data Report Form.

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