



Commonwealth Edison

One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

May 29, 1979

Mr. James G. Keppler, Director
Directorate of Inspection and
Enforcement - Region III
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60127

Subject: Byron Station Units 1 and 2
Additional Response to IE Inspection
Report Nos. 50-454/78-09 and 50-455/78-09
NRC Docket Nos. 50-454 and 50-455

Reference (a): January 22, 1979 letter from C. Reed
to James G. Keppler

Dear Mr. Keppler:

Per Reference (a), Commonwealth Edison Company, in response to an item of noncompliance (deviation), indicated that a written inquiry had been made to the American Society of Mechanical Engineers (ASME) Committee to "clarify whether a procedure qualification test specimen must meet the mils lateral expansion required by Tables NC-2331-1 and ND-2331(a)-1 of ASME Section III for the thickness tested or the thickness to which the procedure is qualified." Your letter of January 31, 1979 requested advisement of the ASME code committee interpretation of this item.

Enclosed for your review and information as Attachment 1 is the ASME response to Commonwealth Edison's inquiry regarding the mils lateral expansion requirement. Also enclosed, as Attachment 2, is Commonwealth Edison's inquiry of the subject matter.

Please address any additional questions that you might have regarding this matter to this office.

Very truly yours,

C. Reed

Cordell Reed
Assistant Vice-President

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attachments

504 352

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The American Society of Mechanical Engineers

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PRESSURE VESSEL
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Commonwealth Edison
One First National Plaza
Chicago, IL 60690

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Subject: Section III, Division 1,
NB-4335.2 Impact Test of Heat Affected Zone
Table NB-2332-1 Required C_v Valves for Piping,
Pumps, and Valves
Impact Testing for Weld Procedure Qualification

Ref: Your letter of January 25, 1979
ASME File #NI 79-38

Gentlemen:

In response to your letter, it is our understanding that you are asking the following question:

QUESTION:

For the condition where the weld procedure qualification is limited to material under $1\frac{1}{2}$ in., is it permissible to use a 2 in. plate for the procedure qualification and qualify the impact properties to the thickness range of $\frac{3}{4}$ in. to $1\frac{1}{2}$ in. as specified in Section III Table NB-2332-1?

REPLY:

Yes, providing all requirements of the weld procedure specification for the $1\frac{1}{2}$ in. thickness are complied with.

Yours truly,

Robert E. Glazier

Robert E. Glazier
Assistant Secretary
(212) 644-8048

REG:cv

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bcc: R. F. Reedy
W. R. Smith
P. M. Brister
W. L. Harding
F. N. Moschini
W. G. Knecht



Commonwealth Edison
One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

NI 79-38

January 25, 1979

A. S. I. E.

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BOILER CODE

Mr. G. M. Eisenberg, Secretary
Boiler and Pressure Vessel Committee
c/o The American Society
of Mechanical Engineers
345 E. 47th Street
New York, NY 10017

Dear Mr. Eisenberg:

We are in need of interpretation of ASME Boiler and Pressure Vessel Code rules contained in Section III, Division 1 related to Charpy impact testing for weld procedure qualification. The specific rules are contained in Subsection NB.

The question involves the use of two inch thick material for a weld coupon to produce impact test specimens to qualify a procedure for $1\frac{1}{2}$ -inch maximum material thickness. The specimens were needed to supplement PQR data for a weld procedure (P-1 material) which had been previously qualified without the use of pre-heat for $1\frac{1}{2}$ -inch maximum material thickness (Section IX, QW-403.5 & NB-4335.2).

Under the above conditions, is it permissible to use the Charpy values for nominal wall thickness over $\frac{3}{4}$ " to $1\frac{1}{2}$ " inclusive shown in Table NB-2332-1 for acceptance of the specimens removed from the 2-inch thick coupon? We believe this to be acceptable on the basis that the welding procedure for $1\frac{1}{2}$ -inch maximum thick material was followed and the procedure is not permitted to be used for material over $1\frac{1}{2}$ -inch thickness.

An early response in this matter will be appreciated.

Sincerely,

W. L. Stiede

W. L. Stiede

cc: R. F. Reedy
F. N. Moschini
E. J. Hemzy

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