



Commonwealth Edison

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Address Reply to: Post Office Box 767
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March 2, 1983

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Byron Generating Station Units 1 and 2
Braidwood Generating Station Units 1 and 2
ASME Code Case N-340
NRC Docket Nos. 50-454, 50-455, 50-456,
and 50-457

Dear Mr. Denton:

This is to inform you of our intent to make use of ASME Code Case N-340 at our Byron and Braidwood generating stations. A copy of the approved Code Case is attached.

This Code Case was approved by the ASME on June 17, 1982. It provides alternate rules for examination of weld edge preparation by ultrasonic examination of a completed weld. It is requested that the NRC acknowledge acceptability of this Code Case for immediate use at Byron and Braidwood generating stations.

One signed original and fifteen copies of this letter and the attachment are enclosed for your use.

Very truly yours,

T. R. Tramm
Nuclear Licensing Administrator

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6069N

CASES OF ASME BOILER AND PRESSURE VESSEL CODE

*Meeting of March 12, 1982
Approved by Council, June 17, 1982*

*This Case shall expire on June 17, 1985
unless previously annulled or reaffirmed.*

Case N-340
Alternative Rules for Examination of Weld Edge
Preparation
Section III, Division 1, Classes 1, 2, MC, and CS

Inquiry: What alternative rules may be used in lieu of the requirements of NB/NC/NE/NG-5130 for the examination of weld edge preparations for Section II, Division 1, Classes 1, 2, MC, and CS construction?

Reply: It is the opinion of the Committee that, as an alternative to the surface examination requirement for weld edge preparations of NB/NC/NE/NG-5130 for Section III, Division 1, Classes 1, 2, MC, and CS construction, the completed weld may be ultrasonically examined provided that:

- (1) Ultrasonic examination shall be performed in accordance with NB/NC/NE/NG-5110. The ultrasonic examination acceptance standards in NB/NC/NE/NG-5330 shall apply. In addition, loss of back reflection shall be a basis for rejection.
- (2) Nondestructive examination personnel shall be qualified in accordance with NB/NC/NE/NG-5500.
- (3) The ultrasonic examination procedures shall be proven by actual demonstration to the satisfaction of the Authorized Nuclear Inspector.
- (4) Use of this Case is limited to ferrous materials.
- (5) This Case number shall be identified in the Data Report for the items to which this Case applies.