



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

November 2, 1984

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

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References (a): T. R. Tramm letter to H. R. Denton  
dated March 2, 1983

(b): B. J. Youngblood letter to D. L. Farrar  
dated May 3, 1983

Dear Mr. Denton:

Reference (a) informed you of our intent to utilize ASME Code Case N-340 at our Byron and Braidwood generating stations and requested acknowledgement of its acceptability. This code case, which was approved by ASME on June 17, 1982, provides alternate rules for examination of weld edge preparation and ultrasonic examination of a completed weld. Reference (b) informed us that the code case was not acceptable for generic use. It was indicated however, that code case use would be acceptable if the reason for not performing edge examinations in accordance with the Code and justification for applying the Code Case was explained. The purpose of this letter is to supplement our prior request for NRC acknowledgement of Code Case acceptability with the required information.

#### Braidwood Station

Use of the subject code case is documented on Commonwealth Edison Company NCR-L272. Four primary loop weld edge preps were not liquid penetrant tested prior to welding. This condition was not observed until approximately 1/2 of the weld metal was deposited. The corrective action required that all remaining accessible surface be liquid penetrant examined, all partial welds be ultrasonic tested from the inside, and all final welds be ultrasonically and radiographically examined. The corrective action exceeded the requirements set forth by the subject Code Case. Use of the Code Case eliminated the need for extensive repairs and the consequent possibility of stainless steel sensitization.

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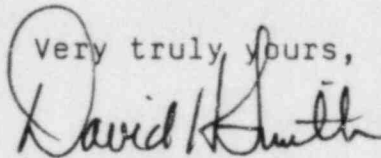
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Byron Station

The subject Code Case has not been used at our Byron Station.

One signed original and fifteen copies of this letter are enclosed for your use. Please address any questions concerning this matter to this office.

Very truly yours,

A handwritten signature in dark ink, appearing to read "David H. Smith". The signature is written in a cursive style with a large, looped initial "D".

David H. Smith

cc: J. G. Keppler - RIII  
RIII Inspectors - Byron/Braidwood

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