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AUTH.NAME AUTHOR AFFILIATION
HUNTER,R.S. Indiana & Michigan Electric Co.
RECIP.NAME RECIPIENT AFFILIATION
DENTON,H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Requests NRC authorization to utilize ASME Code Case N-307 re revised ultrasonic exam vol for Class I bolting,exam category B-G-1,ASME B&PV Code Section XI.

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February 1, 1982
AEP:NRC:0650

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74
ASME CODE SECTION XI - ISI REQUIREMENTS
CODE CASE N-307

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

Dear Mr. Denton:

This submittal is made pursuant to Title 10 of the Code of Federal Regulations, Part 50.55a (a) (2) (ii), and requests authorization from the Nuclear Regulatory Commission to use ASME Code Case N-307 regarding the revised ultrasonic examination volume for Class I bolting, examination category B-G-1, ASME B&PV Code Section XI.

The above Code Case was submitted by Southwest Research Institute to the ASME Committee and was approved by the ASME on January 15, 1981. This Code Case eliminates possible interpretation inconsistencies between the Code and the NDE procedures used for stud examinations. The Code Case N-307 is based on the philosophy that probable flaws in studs would be found to propagate from the thread root and not from the heater hole or any other areas within the stud. Code Case N-307 refers to ultrasonic examinations performed from the center-drilled hole of Class I bolts or studs.

Indiana & Michigan Electric Company hereby requests the approval of Code Case N-307 so that we would be able to use it for the ISI examinations that will be conducted in the near future at the Donald C.

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Cook Nuclear Plant. A copy of the Code Case is attached for your information. Your expeditious attention to this matter will be appreciated.

Very truly yours,

R. S. Hunter
Vice President

TSS/md

cc: John E. Dolan
R. W. Jurgensen
W. G. Smith, Jr. - Bridgman
R. C. Callen
G. Charnoff
Joe Williams, Jr.
NRC Resident Inspector at Cook Plant - Bridgman

proof copy

CASE
N-307

CASES OF ASME BOILER AND PRESSURE VESSEL CODE

Meeting of October 31, 1980
Approved by Council, January 15, 1981

This Case shall expire on January 15, 1984
unless previously annulled or reaffirmed:

Case N-307
Revised Ultrasonic Examination Volume for Class 1 Bolting, Examination Category B-G-1, Section XI, Division 1, When the Examinations Are Conducted from the Center-Drilled Hole

Inquiry: When ultrasonic examinations are conducted from the center-drilled hole of Class 1 bolts or studs to satisfy the examination requirements of Examination Category B-G-1, may the examination volume be limited to the cylindrical region defined by A-B-C-D-E-F-A in the attached sketch?

(See next page for sketch)

Reply: It is the opinion of the Committee that, when conducting ultrasonic examinations from the center-drilled hole of Class 1 bolts or studs to satisfy the examination requirements of Examination Category B-G-1, the examination volume may be limited to the cylindrical region defined by A-B-C-D-E-F-A in the sketch referenced by the Inquiry.

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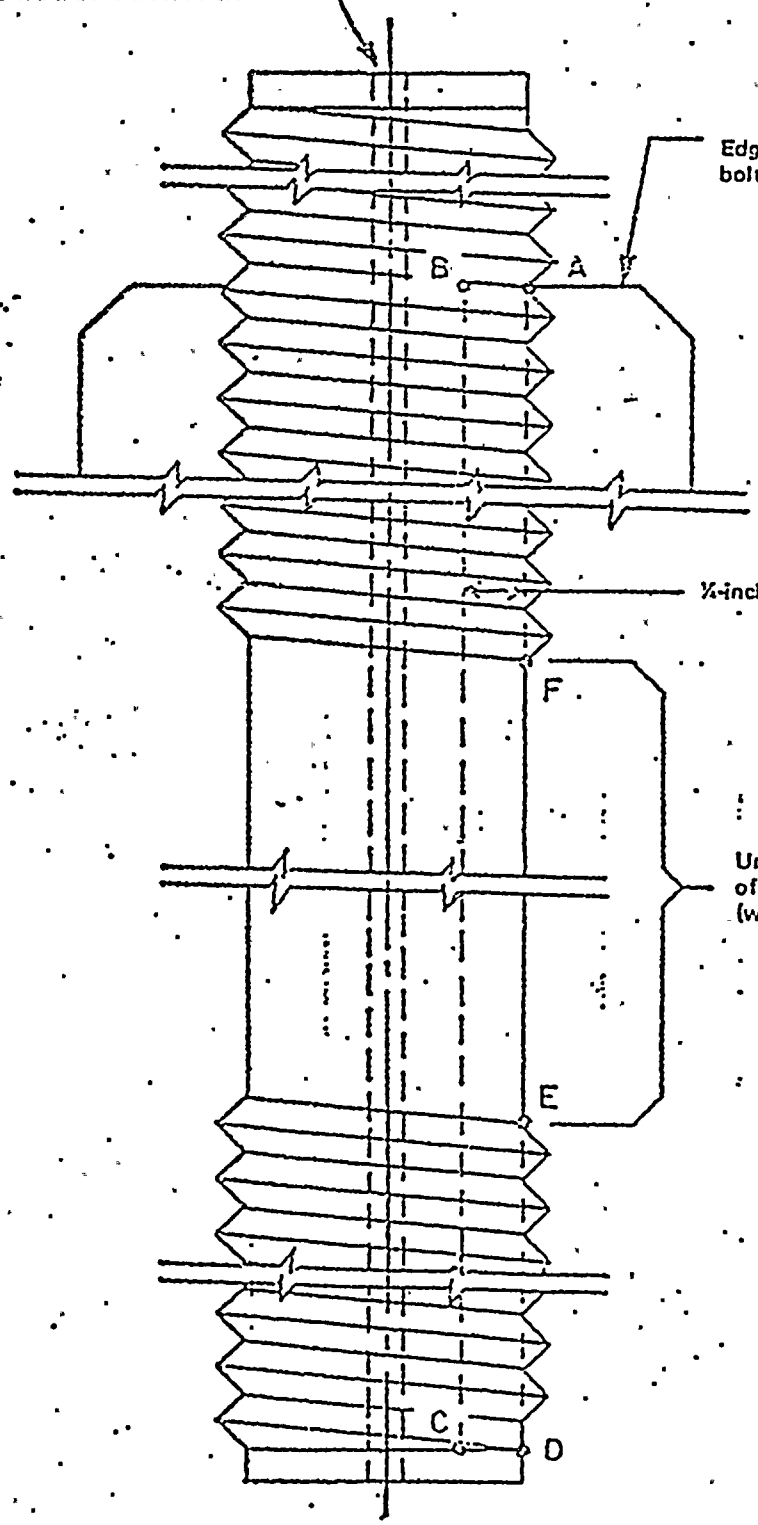
CASE (continued)
N-307



REVISED EXAMINATION VOLUME FOR CLASS 1 BOLTING WHEN SCAN-