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 FACIL: 50-331 Duane Arnold Energy Center, Iowa Electric Light & Pow 05000331  
 AUTH. NAME AUTHOR AFFILIATION  
 ROTHERT, W. C. Iowa Electric Light & Power Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 Document Control Branch (Document Control Desk)  
 MURLEY, T. E. Region 1, Ofc of the Director

SUBJECT: Requests relief from ASME Section XI inservice insp requirements for valve pressure retaining bolting. Fee paid.

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 TITLE: DR Submittal: Inservice Inspection/Testing/Relief from ASME Code

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EXTERNAL:	EG&G ROCKHOLD, H	1 1	LPDR	1 1
	NL 007 HEMMING	1 1	NRC PDR	1 1
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*w/checked  
 \$150  
 # 167920*

Iowa Electric Light and Power Company

June 17, 1988

NG-88-1755

Dr. Thomas E. Murley, Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

Subject: Duane Arnold Energy Center  
Docket No: 50-331  
Op. License No: DPR-49  
Request for Relief from ASME  
Section XI Requirements (NDE-007)  
Reference: Letter from M. Virgilio (NRC)  
to L. Liu (IELP) dated July 7, 1987  
File: A-100, A-286

Dear Dr. Murley:

In the referenced letter, your staff informed us that they had reviewed and approved the second 10-year Inservice Inspection Plan for the Duane Arnold Energy Center and requests for relief from ASME Code, Section XI requirements. We have subsequently identified the need for relief from another ASME Code requirement. In accordance with 10CFR50.55a(a)(3), the attached request for relief (NDE-007) is submitted. We ask that it be approved as a revision to our current Inservice Inspection Plan.

In accordance with 10CFR170.12(c), a check for \$150 is enclosed with this request.


8806220219 880617  
PDR ADOCK 05000331  
Q PDR

*A047 w/check  
" " \$150  
#167920  
8806220219*

Dr. Thomas E. Murley  
NG-88-1755  
June 17, 1988  
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Should you have any questions regarding this submittal, please contact this office.

Very truly yours,

  
William C. Rothert  
Manager, Nuclear Division

WCR/NLP/pjv+

Attachments: 1) Request for Relief, NDE-007  
2) Check No. 167920

cc: N. Peterson  
L. Liu  
L. Root  
R. McGaughy  
J. R. Hall (NRC-NRR)  
A. Bert Davis (Region III)  
NRC Resident Office  
R. West (Iowa Bureau of Boiler Inspection)

I O W A   E L E C T R I C   L I G H T   A N D   P O W E R   C O M P A N Y

DUANE ARNOLD ENERGY CENTER  
 TEN YEAR EXAMINATION SUMMARY  
 ASME SECTION XI SYSTEMS-REQUEST FOR RELIEF

CEDAR RAPIDS, IOWA

MAJOR ITEM: RFR NUMBER NDE-007  
 TABLE: Section 4.2  
 PAGE 1 of 1

COMPONENT OR SYSTEM	ASME XI CODE CLASS	PROGRAM TABLE	CODE CATEGORY	CODE ITEM
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All Class 1 Systems

Valve Pressure Retaining Bolting	1	1.4	B-G-2	B7.70
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Code Requirements

Visual (VT-1) examination of all valve pressure retaining bolting bolts, studs, and nuts during the ten-year interval.

Basis for Relief

The requirement to examine all valve pressure retaining bolting without disassembly of the valve does not provide information as to the status of the thread engagement zone.

This type of examination has only a small potential of increasing plant safety margins and a very disproportionate impact on expenditures of plant manpower and radiation exposure.

The Winter 85 addenda to Section XI, requires the visual examination of B-G-2 pressure retaining bolting on valves only when those valves are selected for examination under examination category B-M-2, Item No. B12.50.

Alternate Examination

The subject pressure retaining bolting will be examined upon the disassembly of any Class 1 valve that falls under examination category B-M-2, Item No. B12.50.

In addition visual (VT-2) examination required by category B-P will be fulfilled each refueling outage prior to plant start-up and hydrostatic testing will be conducted at or near the end of the ten-year interval.

This will provide an acceptable level of quality and safety.

Schedule for Implementation

Cycle 9/10 Outage