



Duke Energy Corporation

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H. B. Barron
Vice President

September 7, 2000

U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001
ATTENTION: Document Control Desk

SUBJECT: McGuire Nuclear Station Unit 1
Docket Nos. 50-369
RAI "Relief Request 99-003"

REFERENCE: Duke Relief Request, dated May 10, 2000

Duke Energy Corporation (Duke) submitted Relief Request 99-003, dated May 10, 2000. In followup teleconferences, the NRC staff requested additional information with respect to several issues in the relief request. In response to those questions, as listed below, Duke provides the following information.

Question 1:

Page 2, Examination Category B-F identifies the examination volume as being in Figure IWB-2500-8. Which specific figure applies, (a), (b), or (c)?

Answer to question 1:

Figure IWB-2500-8 has only one figure and that shows volume "c-d-e-f".

Question 2:

Page 4, Examination Category B-D, Note 2 - identifies the part of Code needing relief as the volume in Figure IWB-2500-7(b). Identify the specific paragraph in Code that cannot be performed by the examination.

A047

Answer to question 2:

Figure IWB-2500-7 (b) represents the required examination volume for the subject item. The requirement for examining this volume is contained in ASME Section XI, 1989 Edition, Table IWB-2500-1, Note 4 for Category B-D Full Penetration Welds of Nozzles in Vessels.

Question 3:

Page 5, Examination Category C-F-1, Note 3 - identifies the specific paragraph in Code that cannot be performed by the examination as III-4442, 1986 Edition of the Code. The cover letter states that the ISI edition for this interval is the 1989 Edition. Is the reference to the 1986 Edition correct?

Answer to question 3:

This should be the 1989 Edition.

Question 4:

Attachment 3 page 7 listed two entries for the 45EL beam angle. One entry shows length and width for an examination volume. The other entry shows a length but no width and no examination volume. There were no entries for the OE beam. Is the data on this page complete?

Answer to question 4:

There is an error on the work sheet which has been corrected in the attachment. The error is on line two. This line should not be there.

Please direct questions on this Response to Norman T. Simms at
(704) 875-4685.

Very truly yours,



H.B. Barron, Vice President
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cc w/attachment:

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ELL (EC050)
MNS Regulatory Compliance File
McGuire Master File 1.3.2.13

ATTACHMENT 1

WORKSHEET

DUKE POWER COMPANY Limited Examination Coverage Worksheet	NDE-91-1 Revision 0
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Examination Volume/Area Defined

Base Metal
 Weld
 Near Surface
 Bolting
 Inner Radius

Area Calculation	Volume Calculation
See ATTACHED SKETCH = 1.4 SQ. IN.	See NDE-UT-4. ONLY 77.5" OF 175" TOTAL WELD LENGTH WAS EXAMINED.

Coverage Calculations

Scan #	Angle	Beam Direction	Area Examined (sq.in.)	Length Examined (in)	Volume Examined (cu.in.)	Volume Required (cu.in.)	Percent Coverage
1-4	45°	ALL	1.4	77.5	108.5	245 ⁸⁻¹⁵⁻²⁰⁰⁰ 245	44.29

Item No: *Col. 030. 010*

Prepared BY: <i>James J. Mc. Gullen</i>	Level: <i>III</i>	Date: <i>8-15-2000</i>
Reviewed By:	Level:	Date: