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Acting Director  
Nuclear Safety & Licensing

CNRO-2005-00042

August 3, 2005

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

**SUBJECT:** Use of Later ASME Section XI Code Edition and Addenda for  
Ultrasonic Examinations

Arkansas Nuclear One, Units 1 and 2  
Docket No. 50-313 and 50-368  
License No. DPR-51 and NPF-6

Grand Gulf Nuclear Station  
Docket No. 50-416  
License No. NPF-29

Waterford Steam Electric Station, Unit 3  
Docket No. 50-382  
License No. NPF-38

River Bend Station  
Docket No. 50-458  
License No. NPF-47

Dear Sir or Madam:

Pursuant to 10 CFR 50.55a(g)(4)(iv), Entergy Operations, Inc. (Entergy) requests permission to use IWA-2232 of the 1995 Edition, 1996 Addenda of ASME Section XI for performing ultrasonic (UT) examinations at Arkansas Nuclear One - Units 1 (ANO-1) and 2 (ANO-2), Grand Gulf Nuclear Station (GGNS), River Bend Station (RBS), and Waterford Steam Electric Station, Unit 3 (Waterford 3). This request is provided in the enclosure to this letter. The NRC has approved this edition and addenda of Section XI as documented in 10 CFR 50.55a(b)(2) with no limitations or modifications.

Entergy is providing this request in accordance with NRC Regulatory Issue Summary 2004-16, *Use of Later Editions and Addenda to ASME Code Section XI for Repair/Replacement Activities*.

Entergy requests approval of this request on or before August 3, 2006. Should you have any questions regarding this submittal, please contact Guy Davant at (601) 368-5756.

This letter contains no commitments.

Very truly yours,

FGB/GHD/ghd

Enclosure: Request in Accordance with 10 CFR 50.55a(g)(4)(iv) for Inservice Inspection  
Items

cc: (see next page)

A047

cc: Mr. W. A. Eaton (ECH)  
Mr. J. P. DeRoy (ECH)  
Mr. J. S. Forbes (ANO)  
Mr. P. D. Hinnenkamp (RBS)  
Mr. J. E. Venable (W3)  
Mr. G. A. Williams (GG)

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NRC Senior Resident Inspector  
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U. S. Nuclear Regulatory Commission  
Attn: Mr. M. C. Thadani (ANO-1)  
MS O-7D1  
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U. S. Nuclear Regulatory Commission  
Attn: Mr. D. G. Holland (ANO-2)  
MS O-7D1  
Washington, DC 20555-0001

U. S. Nuclear Regulatory Commission  
Attn: Mr. B. K. Vaidya (GGNS)  
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U. S. Nuclear Regulatory Commission  
Attn: Mr. M. K. Webb (RBS)  
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U. S. Nuclear Regulatory Commission  
Attn: Mr. N. Kalyanam (W3)  
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Washington, DC 20555-0001

**ENCLOSURE**

**CNRO-2005-00042**

**REQUEST IN ACCORDANCE WITH  
10 CFR 50.55a(g)(4)(iv) FOR INSERVICE INSPECTION ITEMS**

**ENTERGY OPERATIONS, INC.**

**REQUEST IN ACCORDANCE WITH  
10 CFR 50.55a(g)(4)(iv) FOR INSERVICE INSPECTION ITEMS**

**1. ASME Code Components Affected**

ASME Section XI Examination Category Items as identified in Tables 1 through 5 for Arkansas Nuclear One, Unit 1 (ANO-1) and Unit 2 (ANO-2), Grand Gulf Nuclear Station (GGNS), River Bend Station (RBS), and Waterford Steam Electric Station, Unit 3 (Waterford 3).

**2. Applicable Code Edition and Addenda**

The current edition and addenda for performing non-Appendix VIII ultrasonic examinations for each facility is listed below.

- ANO-1 – 1980 Edition, 1981 Winter Addenda
- ANO-2 – 1986 Edition
- GGNS – 1977 Edition, 1979 Summer Addenda
- RBS – 1980 Edition, 1981 Winter Addenda
- Waterford 3 – 1980 Edition, 1981 Winter Addenda

Each facility's start date for the next 120-month interval is listed below.

- ANO-1 – 6/1/2007
- ANO-2 – 3/26/2010
- GGNS – 6/2/2007
- RBS – 12/1/2007
- Waterford 3 – 7/1/2007

**3. Proposed Subsequent Code Edition and Addenda (or Portion)**

In accordance with 10 CFR 50.55a(g)(6)(ii)(C), Entergy Operations, Inc. (Entergy) implemented the requirements of Appendix VIII to Section XI, 1995 Edition with the 1996 Addenda. Pursuant to 10 CFR 50.55a(g)(4)(iv), Entergy requests permission to use IWA-2232 of the 1995 Edition with 1996 Addenda of ASME Section XI for ultrasonic (UT) examinations performed for the items identified in Tables 1 through 5. These items and associated UT exams are not covered under Appendix VIII.

The NRC approved the use of the 1995 Edition, 1996 Addenda with no limitations and modifications, as documented in 10 CFR 50.55a(b)(2).

**4. Related Requirements**

By adopting IWA-2232, all related requirements for performing UT are also adopted including the qualification and certification of personnel to the 1995 Edition, 1996 Addenda. Selecting and scheduling locations for performing UT and evaluating associated UT results will continue to be conducted in accordance with the 1992 Edition with portions of the 1993 Addenda as identified in each site's ISI Program.

**5. Duration of Proposed Request**

The duration of this request will be from approval by the NRC staff until the beginning of the next interval for each facility, as identified in Section 2, above.

**TABLE 1**  
**ANO-1 CODE COMPONENTS AFFECTED**

<b>Examination Category</b>	<b>Item Number</b>
Examination Category B-A	B1.30 B1.40
Examination Category B-B	B2.11 B2.12 B2.21 B2.22 B2.31 B2.32 B2.40 B2.51 B2.52 B2.60 B2.70 B2.80
Examination Category B-D	B3.110 B3.120 B3.130 B3.140 B3.150 B3.160
Examination Category B-L-1 and B-M-1	B12.10 B12.40
Examination Category B-0	B14.10
Examination Category C-A	C1.10 C1.20 C1.30
Examination Category C-B	C2.21 C2.22 C2.32

**TABLE 2**  
**ANO-2 CODE COMPONENTS AFFECTED**

<b>Examination Category</b>	<b>Item Number</b>
Examination Category B-A	B1.30 B1.40
Examination Category B-B	B2.11 B2.12 B2.21 B2.22 B2.31 B2.32 B2.40 B2.51 B2.52 B2.60 B2.70 B2.80
Examination Category B-D	B3.110 B3.120 B3.130 B3.140 B3.150 B3.160
Examination Category B-L-1 and B-M-1	B12.10 B12.40
Examination Category B-0	B14.10
Examination Category C-A	C1.10 C1.20 C1.30
Examination Category C-B	C2.21 C2.22 C2.32

**TABLE 3**  
**GGNS CODE COMPONENTS AFFECTED**

<b>Examination Category</b>	<b>Item Number</b>
Examination Category B-A	B1.30 B1.40
Examination Category B-L-1 and B-M-1	B12.10 B12.40
Examination Category B-0	B14.10
Examination Category C-A	C1.10 C1.20 C1.30
Examination Category C-B	C2.21 C2.22 C2.32



**TABLE 4****RBS CODE COMPONENTS AFFECTED**

<b>Examination Category</b>	<b>Item Number</b>
Examination Category B-A	B1.30 B1.40
Examination Category B-L-1 and B-M-1	B12.10 B12.40
Examination Category B-0	B14.10
Examination Category C-A	C1.10 C1.20 C1.30
Examination Category C-B	C2.21 C2.22 C2.32

**TABLE 5**  
**WATERFORD 3 CODE COMPONENTS AFFECTED**

<b>Examination Category</b>	<b>Item Number</b>
Examination Category B-A	B1.30 B1.40
Examination Category B-B	B2.11 B2.12 B2.21 B2.22 B2.31 B2.32 B2.40 B2.51 B2.52 B2.60 B2.70 B2.80
Examination Category B-D	B3.110 B3.120 B3.130 B3.140 B3.150 B3.160
Examination Category B-L-1 and B-M-1	B12.10 B12.40
Examination Category B-0	B14.10
Examination Category C-A	C1.10 C1.20 C1.30
Examination Category C-B	C2.21 C2.22 C2.32