



River Bend Station
5485 U.S. Highway 61N
St. Francisville, LA 70775
Tel 225-381-4177

Joseph A. Clark
Manager, Licensing

RBG-47272

August 2, 2012

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

SUBJECT: Supplement to RBS-ISI-016 and RBS-ISI-017
Requests for Relief from ASME Code Section XI Inservice Inspection
Requirements for Pressure Retaining Welds in Control Rod Housings and
Pressure Retaining Welds in Pumps and Valves
Docket No. 50-458
License No. NPF-47

REFERENCES:

1. Entergy Letter to NRC dated August 03, 2011, Requests for Relief RBS-ISI-016 and RBS-ISI-017, Requests for Relief from ASME Code Section XI Inservice Inspection Requirements for Pressure Retaining Welds in Control Rod Housings and Pressure Retaining Welds in Pumps and Valves (RBG-47166)
2. NRC Email dated February 1, 2012, River Bend Station Request for Additional Information Regarding RR RBS-ISI-016 and RBS-ISI-017 (ML11221A164)
3. Entergy Letter to NRC dated April 16, 2012, Supplement to Request for Relief RBS-ISI-016 and RBS-ISI-017 (RBG-47233).
4. NRC Email dated July 12, 2012, River Bend Station Request for Additional Information Regarding RR RBS-ISI-016 and RBS-ISI-017

Dear Sir or Madam:

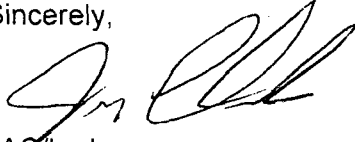
In Reference 1, Entergy Operations, Inc. (Entergy) submitted requests for relief from ASME Code Section XI Inservice Inspection Requirements for Pressure Retaining Welds in Control Rod Housings (CRD) and Pressure Retaining Welds in Pumps and Valves (examination Category B-O, Item Number B14.10 Welds in CRD Housing and C-G, C6.10, Pump Casing Welds).

In Reference 2, the NRC Staff requested additional information concerning this request, which was supplied in Reference 3. On July 12, 2012 an additional request for information was received. This letter is in response to the July 12, 2012 request.

A847
NRR

This letter contains new commitments. If you have any questions or require additional information, please contact me at (225) 381-4177.

Sincerely,



JAC/bmb

Attachments:

1. Supplement to Requests for Relief RBS-ISI-016 and RBS-ISI-017
2. List of Regulatory Commitments

RBF1-12-0110

cc: Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
1600 E. Lamar Blvd.
Arlington, TX 76011-4511

NRC Senior Resident Inspector
P. O. Box 1050
St. Francisville, LA 70775

U. S. Nuclear Regulatory Commission
Attn: Mr. Alan Wang
MS 0-8B1
One White Flint North
11555 Rockville Pike
Rockville, MD 20852

Louisiana Department of Environmental Quality
Office of Environmental Compliance
Radiological Emergency Planning and Response Section
JiYoung Wiley
P. O. Box 4312
Baton Rouge, LA 70821-4312

Public Utility Commission of Texas
Attn: PUC Filing Clerk
1701 N. Congress Avenue
P. O. Box 13326
Austin, TX 78711-3326

ATTACHMENT 1 TO
RBG-47272
SUPPLEMENT TO REQUESTS FOR RELIEF
RBS-ISI-016 and RBS-ISI-017

SUPPLEMENT TO REQUESTS FOR RELIEF

ENTERGY OPERATIONS, INC. RIVER BEND STATION – UNIT 1

RESPONSE TO NRC REQUEST FOR ADDITIONAL INFORMATION REGARDING RELIEF REQUESTS RBS-ISI-016 AND RBS-ISI-017

Question 1:

In the RAI we asked if Entergy had performed any other examinations in the area of the CRD Housing welds. Entergy responded in saying that in the 2nd 10-year ISI interval it performed VT-1 visual examinations of CRD bolting and found some with some of the bolting that had pitting and corrosion. Entergy stated it removed the bolts and replaced them. The question is did Entergy determine what was the root cause of the pitting and corrosion of the bolting?

Response:

The subject indications were documented on inspection reports and addressed under the Corrective Action Process. The level of classification of the conditions did not warrant the performance of root cause or apparent cause evaluations. The conditions were characterized by use of a supplemental examination method (eddy current), then evaluated against pre-established acceptance criteria and found acceptable. The conditions were corrected by replacement of the subject fasteners under the Work Management Process.

Pages 3 - 15 are a sample of an unsatisfactory examination, a supplemental examination, the associated evaluation and a page from the Work Order that replaced the subject fasteners.

Question 2:

The other issue is in one of the RAI questions we asked Entergy if it had considered using a remote camera to examine the CRD welds since there have been improvements in quality of the equipment, Entergy answered no. Will Entergy consider using a remote camera for the next interval; in this case for RBS it would be the 3rd 10-year interval.

Response:

Entergy will continue to investigate and evaluate for suitability alternative inspection methods, such as the remote camera suggested by the NRC, for the third and subsequent ISI intervals as long as the impracticality remains. It should be noted that Entergy fully understands that use of any examination method other than the volumetric or surface method specified in ASME Code, Section XI, Table IWB-2500-1 will require relief approved by the NRC.

Since the ISI scope for the upcoming refueling outage (RF-17) has been selected, implementation of alternative methods determined to be suitable would begin Spring 2015, which corresponds with refueling outage RF-18.

VISUAL INSPECTION VT-1 INSPECTION REPORT

03 IR 20526								
Page 1 of 2								
Date 4-1-03	Component SN N/A	Component ID B13-RDMFB008	RAC Jones III 2229					
NDE- 10-01	<input checked="" type="checkbox"/> MAI	355485	CRD REBUILD ROOM	B13				
Rev. 3	<input type="checkbox"/> ISI		Location	System Code				
	<input type="checkbox"/> OTHER							
Make DLM-002A DUE 11-11-03	Drawing No. N/A	Illustration Verified Before 250 PCS After 206 PCS	Type of Component CRD CAP SCREWS	Exam Method <input checked="" type="checkbox"/> Direct <input type="checkbox"/> Remote	Manhours 3.0			
TOTAL OBSERV.	ATTRIBUTE DESCRIPTION				RESULTS S/U/N			
	Bolting							
50					4			
70					5			
REMARKS: SEE PAGE 2								
LEVEL III EVALUATION (FOR UNSAT CONDITIONS ONLY)					SAT <input type="checkbox"/>			
BL Williams III 4-3-03					UNSAT <input checked="" type="checkbox"/>			
LEVEL III/ICN/DATE								
UNSAT CLOSURE:			TRACKING DOCUMENT:					
BL Williams III 4-3-03			CR-RBS-01606					
LEVEL III/ICN/DATE			03 IR 20530					
			MAI _____					
			CR _____					
			OTHER <input checked="" type="checkbox"/>					
REVIEWED BY: <u>Bob Keenan 0690 4/3/03</u>								
LEVEL III/ICN/DATE								
ANI/DATE								
<table border="1" style="border-collapse: collapse;"> <tr> <td style="padding: 2px;">ANI REVIEW</td> </tr> <tr> <td style="padding: 2px;">ANI <u>Bob Keenan</u></td> </tr> <tr> <td style="padding: 2px;">DATE <u>4/24/03</u></td> </tr> </table>						ANI REVIEW	ANI <u>Bob Keenan</u>	DATE <u>4/24/03</u>
ANI REVIEW								
ANI <u>Bob Keenan</u>								
DATE <u>4/24/03</u>								

A VT-1 examination was performed on 120 CRD bolts. 50 bolts had linear indications that require supplement (ET) examination. The following are CRD locations inspected with the number of bolts with linear indications.

Location / Number of Linear Indications

12-45 / 2
40-53 / 4
20-21 / 7
36-13 / 3
20-13 / 5
52025 / 5
12-09 / 7
04-37 / 5
12-21 / 2
16-53 / 0
20-05 / 1
44-37 / 2
36-53 / 1
24-13 / 0
36-37 / 7

ANNY GREEN
ANNY <i>[Signature]</i>
DATE <i>11/25/03</i>

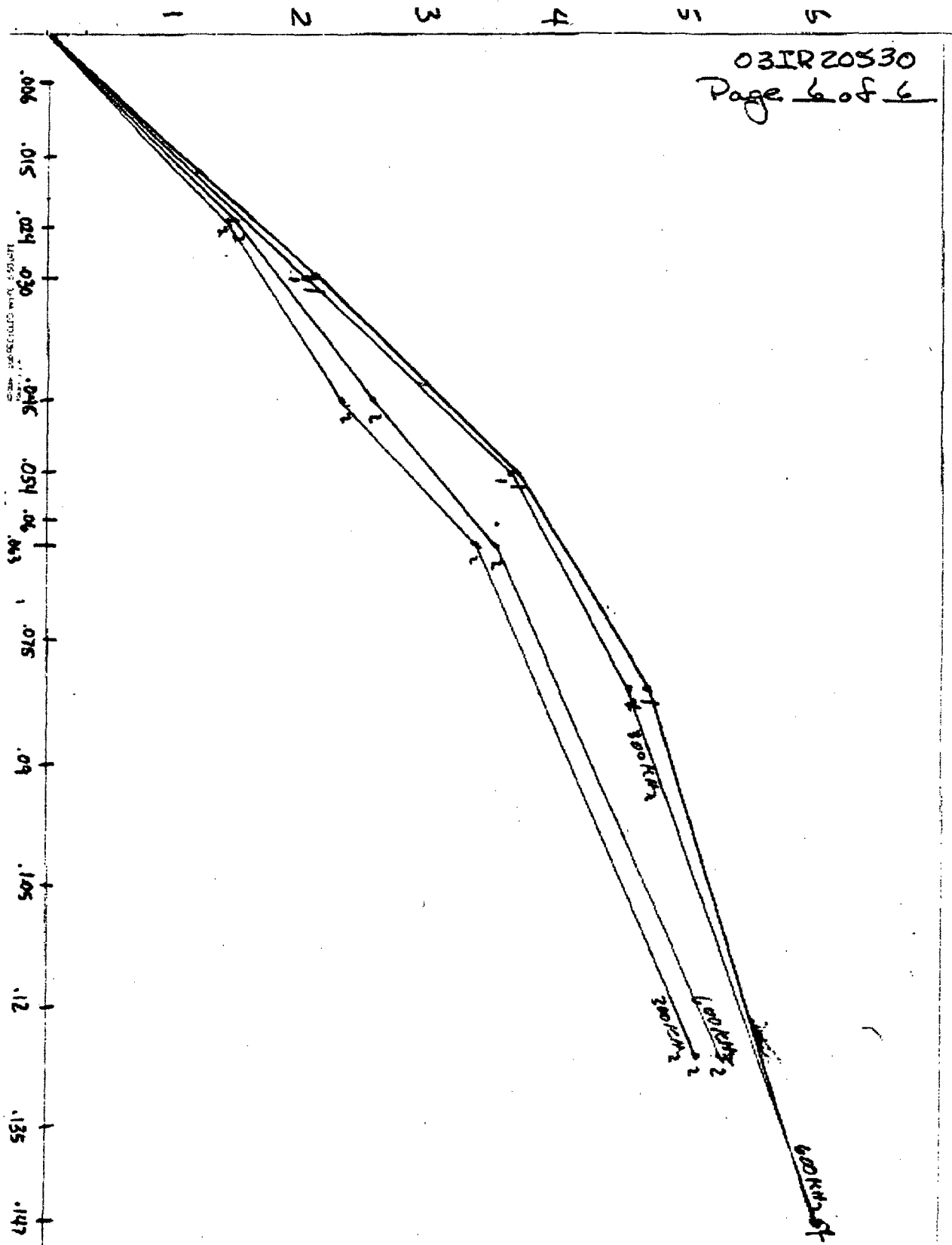
ECT		ENTERGY			Report No: 03IR 20530			
CONTROL ROD DRIVE CAP SCREW EDDY CURRENT REPORT								
MAI: 355 485		ISO/DWG: N/A		QA RECORD: N/A		NON QA RECORD: N/A		
Other Trace Doc: ① SEE PP. 5		CRD ID: SEE COMPONENT 10 BELOW		RT N/A		RT GGNS: F 5.05 N/A	Date: 4/2/03	
ECT Instrument No: M12-43		Instrument No: 006 Cal due 23 July 03		No. Pages: 6		Initials		
Probe: 5-63-033		Probe SN: P6938		Standard No: CS-1 : CS-2				
Probe Extension Length: 10'		Recording Device: PC HARD DRIVE		Instruction No/ Rev: NDE 9.61 R/A				
Configuration No: CRDM		Sample Rate: 1000		Material: 4140 300 4/2/03				
Chan	Freq.	Gain	Phase	V/H	P/D	S/C	Out	Calibration
1	600hz	2	90°	6.0				Initial Cal 0200
2	450hz	2	90°	6.0				
3	300hz	2	90°	6.0				
4	150hz	2	90°	6.0				Final Cal 0300
Component ID		Indication No.		Volts		Depth		
20-13-1		1 *		1.4		.023"		
20-13-2		1 *		1.78		.0315"		
20-13-3		1 *		2.38		.048"		
20-13-4		1 *		2.17		.04"		
20-13-5		1 *		3.61		.0735"		
12-45-1		1 *		.4		.0065"		
12-45-2		1 *		.43		.0067"		
36-13-1		2		2.92 / 3.21		.056" / .062"		
36-13-2		1 *		1.41		.023"		
36-13-3		1 *		1.84		.034"		
Comments: NONE ① GE SIL No. 483R/2 EP-98-003-01 PP. 30								
Examiner/Level/Date: Joe Snyder Joe Snyder IIA 4/2/03			Dispositioned By: B.S. Kienlen B.S. Kienlen Level/Date: II / 4/2/03			QA Final Review: 0690 B.S. Kienlen 4/2/03		
Examiner/Level/Date: N/A			Exam Time: 0200			RWP No: 1917 TASK 2		
			Dose: 0			Page 1 of 6		


ECT		ENTERGY			Report No: 03IR20530			
CONTROL ROD DRIVE CAP SCREW EDDY CURRENT REPORT								
MAI: 355485		ISO/DWG: N/A		QA RECORD: N/A		NON QA RECORD: N/A		
Other Trace Doc: ① See Sp. 1		CRD ID: SEE COMPONENT ID Below		RT N/A		RT GGNS: F 5.05 N/A	Date: 4-2-03	
ECT Instrument No: M12-43		Instrument No: 006 Caldue 23July03		No. Pages:		Initials:		
Probe: 5-G3-033		Probe SN: P6938		Standard No: CS-1 ; CS-2				
Probe Extension Length: 10'		Recording Device: PC HARD DRIVE		Instruction No/ Rev: NDE 9.61 R/O R-1				
Configuration No: CRDM		Sample Rate: 1000		Material: 4140 CS				
Chan.	Freq.	Gain	Phase	V/E	P/D	S/C	Out	Calibration
1	600hz	2	90°	6.0				Initial Cal 0200
2	450hz	2	90°	6.0				
3	300hz	2	90°	6.0				
4	150hz	2	90°	6.0				Final Cal 0300
Component ID		Indication No.		Volts		Depth		
12-09-1		1 *		1.77		.0315"		
12-09-2		1 *		1.30		.022"		
12-09-3		1 *		1.17		.019"		
12-09-4		1 *		1.14		.0185"		
12-09-5		1 *		0.89		.0155"		
12-09-6		1 *		2.28		.0445"		
12-09-7		1 *		2.24		.044"		
44-37-1		1 *		6.5		.025"		
44-37-2		2 *		2.27 / 2.31		.0445" / .0455"		
12-45-1		1 *		0.4		.0065		
12-45-2		1 *		0.4		.0065		
Comments: * Deapest Flow Recorded.								
Examiner/Level/Date: J. Snyder Joe Snyder SA 4/2/03			Dispositioned By: B.S. Kienten B.S. Kienten			QA Final Review: 0690 B.S. Kienten 4/2/03		
Examiner/Level/Date: N/A			Level/Date: II 4/2/03					
Exam Timer: 0200		RWPNo. 1917 TASK 2		Dose: 0		Page 2 of 6		

ECT		ENTERGY		Report No: 03IR 20530				
CONTROL ROD DRIVE CAP SCREW EDDY CURRENT REPORT								
MAI: 355485		ISO/DWG: N/A		QA RECORD: N/A				
NON QA RECORD: N/A		Other Trace Doc: ① see Page 1		CRD ID: See Component IB Below				
RT N/A		RT GGNS: F 5.05 N/A		Date: 4/2/03				
ECT Instrument No: M1243		Instrument No: 006 Cal due 23 July 03		No. Pages: Initials				
Probe: 5-G3-033		Probe SN: P6938		Standard No: CS-1 CS-2				
Probe Extension Length: 10'		Recording Device: PC HARDDRIVE		Instruction No./ Rev: NDE 9.61 1/0 R11				
Configuration No: CRDM		Sample Rate: 1000		Material: 4140 SAE 4140				
Chan.	Freq.	Gain	Phase	V/H	P/D	S/C	Out	Calibration
1	600hz	2	90°	6.0				Initial Cal 0200
2	450hz	2	90°	6.0				
3	300hz	2	90°	6.0				
4	150hz	2	90°	6.0				Final Cal 0300
Component ID		Indication No.		Volts		Depth		
20-21-1		1 *		1.67		.029"		
20-21-2		1 *		1.88		.027"		
20-21-3		1 *		1.89		.036"		
20-21-4		1 *		.64		.0095"		
20-21-5		1 *		.73		.012"		
20-21-6		1 *		.78		.0125"		
20-21-7		1 *		.9		.0145"		
40-53-1		1 *		.41		.0065"		
40-53-2		1 *		.59		.009"		
40-53-4		1 *		0		0"		
40-53-5		1 *		.35		.0032"		
Comments: * Deepest Flaw Recorded.								
Examiner/Level/Date: Joe Snyder Joe Snyder IA 4/2/03			Dispositioned By: Bob Kienle 0690 Level/Date: II/4/2/03			QA Final Review: 0690 Bob Kienle 4/2/03		
Examiner/Level/Date: N/A			Exam Time: 0200			RWP No. 1917 TASK 2		
Dose: 0			Page 3 of 6					

ECT		ENERGY		Report No: 03IR20530	
CONTROL ROD DRIVE CAP SCREW EDDY CURRENT REPORT					
MAI: 355485		ISO/DWG: N/A		QA RECORD: N/A	
				NON QA RECORD: N/A	
Other Trace Doc: See Page 1		CRD ID: See component ID Below		RT N/A	
				RT GGNS: P.5.05 N/A	
				Date: 4-2-03	
ECT Instrument No: M12-43		Instrument No: 006 Cal Due 23 July 03		No. Pages: Initials	
Probe: 5-G3-033		Probe SN: P6938		Standard No: CS-1 & CS-2	
Probe Extension Length: 10'		Recording Device: PC HARD DRIVE		Instruction No./ Rev: NDE 9.61 3/0 R1	
Configuration No: CDRM		Sample Rate: 1000		Material: 4140 CS	
Chan.	Freq.	Gain	Phase	V/H	P/D
1	600hz	2	90°	6.0	
2	450hz	2	90°	6.0	
3	320hz	2	90°	6.0	
4	150hz	2	90°	6.0	
					S/C
					Out
					Calibration
					Initial Cal 0200
					Final Cal 0200
Component ID		Indication No.		Volts	
				Depth	
36-37 Bolt 1		1 *		1.13 .019"	
36-37 Bolt 2		1 *		1.41 .023"	
36-37 Bolt 3		1 *		0 0	
36-37 Bolt 4		1 *		1.58 .026"	
36-37 Bolt 5		1 *		1.23 .020"	
36-37 Bolt 6		1 *		1.06 .018"	
36-37 Bolt 7		1 *		1.97 .0375"	
20-05 Bolt 1		1 *		0.6 .009"	
36-53 Bolt 1		1 *		0.31 .0315"	
Comments: * Deepest Flaw Recorded.					
Examiner/Level/Date: Joe Snyder IIA 4/2/03		Dispositioned By: <i>Bob Kienler</i>		QA Final Review:	
Examiner/Level/Date: N/A.		Level/Date: II/4/03		0690 <i>Bob Kienler</i> 4/2/03	
Exam Time: 0200		RWP No. 1917 Task 2		Dose: 0	
Page 4 of 6					

ECT		ENTERGY			Report No: 03 IR 20530			
CONTROL ROD DRIVE CAP SCREW EDDY CURRENT REPORT								
MAI: 355485		ISO/DWG: N/A		QA RECORD: N/A		NON QA RECORD: N/A		
Other Trace Doc: ① See PP 1		CRD ID: See component ID below		RT N/A		RT GGNS: F 5.05 N/A	Date: 4/2/03	
ECT Instrument No: M12-43		Instrument No: 006 cal due 23 July 02		No. Pages:		Initials:		
Probe: 5-G 3-033		Probe SN: P6938		Standard No: CS-1 & CS-2				
Probe Extension Length: 10'		Recording Device: PC HARDWARE		Instruction No/ Rev: NDE 9.61 12/0 R-1				
Configuration No.: CRDM		Sample Rate: 1000		Material: 4140CS BAR 4/2/03				
Chan.	Freq.	Gain	Phase	V/H	P/D	S/C	Out	Calibration
1	600hz	2	90°	6.0				Initial Cal 0200
2	450hz	2	90°	6.0				
3	300	2	90°	6.0				
4	150	2	90°	6.0				Final Cal 0200
Component ID		Indication No.		Volts		Depth		
5250-25 Bolt 1		5411-009 1 *		.48V		.009"		
5250-25 Bolt 2		1 *		.93		.015"		
5250-25 Bolt 3		1 *		1.6		.028"		
5250-25 Bolt 4		1 *		1.7		.030"		
4-37 Bolt 1		1 *		1.66		.029"		
4-37 Bolt 2		1 *		1.23		.020"		
4-37 Bolt 3		1 *		1.05		.018"		
4-37 Bolt 4		1 *		.71		.011"		
4-37 Bolt 5		1 *		1.82		.033"		
12-21 Bolt 1		1 *		.932		.025" * 4/2/03		
12-21 Bolt 2		1 *		.058		.009"		
Comments: * Deepest Flaw Recorded.								
Examiner/Level/Date: Joe Snyder LIIA 4/2/03			Dispositioned By: <i>Bob Kienle</i>			QA Final Review:		
Examiner/Level/Date: N/A			Level/Date: II 4/4/03			<i>Bob Kienle</i> 4/4/03 0690		
Exam Time: 0200		RWP No. 1917 Task 2		Dose: 0		Page 5 of 6		



	CONDITION REPORT	CR-RBS-2003-01606
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Originator: Williams, Bobby R Originator Group: QA Inspections/NDE Staff Supervisor Name: Beauchamp, David W Discovered Date: 04/02/2003 16:41	Originator Phone: 4690 Initiated Date: 04/02/2003 16:43
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Condition Description:

B13-RDMFD008
 MAI 355485

CRDM bolts listed below were found to have rejectable indications during the VT-1 examination per Section XI of the ASME code. Acceptance criteria is as follows:

- A. Non-axial flaws less than or equal to 7" in length.
- B. Axial flaws less than or equal to 1" in length.

CRDM Numbers

- 36-53- 3/8 long linear indication in the circumferential direction in the head to shank area. QTY 1 bolt
- 12-21- ? inch linear in the Axial direction. Bolt labeled 12-21-1
- 36-13- Linear indication entire circumference of bolt. (location Head to Shank). Bolt labeled 36-13-1
- 36-37- Linear indication 5/16" long in the non-axial direction on the bolt shank. Bolts labeled 36-37-1 and 36-37-5
- 50-25- Linear indication 3/8" long in the non-axial direction on the bolt shank. Bolt labeled 50-25-3
- 04-37- Linear indication 5/16" long in the non-axial direction on the bolt shank. Bolt labeled 4-37-5

Immediate Action Description:

Notified Engineering

Suggested Action Description:


Engineering to evaluate


EQUIPMENT:


<u>Tag Name</u>	<u>Tag Suffix Name</u>	<u>Component Code</u>	<u>Process System Code</u>
			050

REFERENCE ITEMS:

<u>Type Code</u>	<u>Description</u>
LCO	ILCO-03-1457
MTRL NONCONFORMANCE	YES
OUTAGE	
Q CLASS	Q1

 Entergy	ADMIN	CR-RBS-2003-01606
<p>Initiated Date: 4/2/2003 16:43 Owner Group : Eng Outage Mgmt Current Contact: Current Significance: C Closed by: Hughes, Kerry P 4/7/2003 19:33</p>		
<hr/> <p>Summary Description:</p> <p>Remarks Description: RF-11</p> <p>Closure Description: The final CA&A review for closure has been completed with satisfactory results.</p>		

	ASSIGNMENTS	CR-RBS-2003-01606
<p>Version: 1</p> <p>Significance Code: C</p> <p>Classification Code: NON</p> <p>Owner Group: Eng Outage Mgmt</p> <p>Performed By: Bare,Robert G 04/04/2003 11:26</p> <p>Assignment Description: The CRG has directed that this CR be designated as a category "C - CORR ACTION" to correct the identified condition only. An apparent cause analysis is not required.</p>		

	REPORTABILITY	CR-RBS-2003-01606
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Reportability Version: 1

Report Number:

Report Code: NOT REPORTABLE

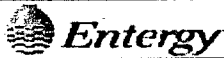
Boilerplate Code: NON RPT - EQUIP

Performed By : Williamson,Danny H

04/03/2003 07:17

Reportability Description:

This condition involves equipment issues that are not reportable. This condition was found during scheduled maintenance, and the bolts were replaced.

		CORRECTIVE ACTION	CR-RBS-2003-01606
CA Number: 1			
		Group	Name
Assigned By: RBS Refuel Forced Outage		Fredieu, Anthony O	
Assigned To: Eng Outage Mgmt		Gates, Timothy W	
Subassigned To: Eng Outage Staff		Dunkelberg, John R	
Originated By: Fredieu, Anthony O		4/2/03 17:40:29	
Performed By: Forpahl, Chris E		4/3/03 05:20:18	
Subperformed By:			
Approved By:			
Closed By: McGhee, James M		4/3/03 06:03:14	
Current Due Date: 04/03/2003		Initial Due Date: 04/03/2003	
CA Type: NON-SIG DISPOSITION			
Plant Constraint: RF-11 VESSEL HYDRO			
CA Description:			
Determine if an increase in sampling is required based on CRDM bolts were found to have rejectable indications during the VT-1 examination per Section XI of the ASME code			
Response:			
Several CRD cap screws exhibited linear indications during a VT-1 visual inspection per NDM NDE10.01. This examination was being performed to meet ISI Program requirements. As discussed in Engineering Report EP-98-003-01 dated September 1998, shallow surface flaws are common in CRD cap screws and will not affect their design function. However, the report recommends that Eddy Current Testing should be conducted to verify flaw depth. Section 6.0 of the report states that scope expansion is NOT required if flaw depth is <0.107". Eddy Current Testing was conducted on the cap screws exhibiting linear indications and the deepest flaw identified was 0.0735" in depth.			
Based on the above, no scope expansion is necessary.			
Reference: GE SIL No. 483 Rev. 2 Engineering Report EP-98-003-01 Inspection Report No. 03IR20530 MAI 355485			
Subresponse :			
Closure Comments:			

Entergy Operations, Inc. Maintenance Action Item MECHANICAL	MAI 355485 B13-RDMFD008
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- 3.9 WHEN obtaining any material from the warehouse, THEN remove the FME covers and any additional shipping or packaging materials prior to installation.
- 3.10 Sections of this MAI may be performed out of sequence with supervisor approval provided the intent remains unchanged and adequate plant and personnel protection is present.
- 3.11 Use the identified low dose ALARA waiting areas.
- 3.12 Heat stress is a concern for this work under the vessel and should be monitored in accordance with ADM-0068, Heat Stress Program.

4 **SUGGESTED PARTS**

<u>STOCK NUMBER</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QTY</u>
RBN1M447008045	768E534G001	CONTROL ROD DRIVE MECHANISM	15
RBN1P447007317	CR2B	DRYWELL SIDE CRD HATCH O-RING	1
RBN1P447007335	CR2C & CR3-16	DRYWELL & CONTAINMENT CRD HATCHES O-RING	2
RBN1P447007531	CR3-15	CONTAINMENT SIDE CRD HATCH O-RING	1
RBN2P447008226	158B763P007	CRD MOUNTING FLANGE O-RING	30
RBN2P447009488	159A2816P001	METALLIC O-RING	15 30
RBN2P447009503	159A2816P002	METALLIC O-RING	15
RBN4P915008173	N/A	CASTOR OIL	1
RBN4P915015753	D50YP	ANTI-SEEZ THREAD LUBRICANT	1

5 **WORK INSTRUCTIONS**

- 5.1 Check the following preliminary requirements are established:

NOTE

New fasteners are required per the GE OE recommendation.

- 5.1.1. Notify QC to perform a VT-1 inspection of the new fasteners being installed.

RIR 031R 20169 VT-1 129 2003
3/19/03
 [H] *Jan 3-18-03*
QC VERIF
KC 1635

- 5.1.2. Record the ASME information of the replacement flange fasteners with QC verification.

ASME REPAIR/REPLACEMENT PLAN No.: *TS-1-02-1354 R/OL* *WAC 0044* *4/7/03*

<u>PART DESCRIPTION</u>	<u>SERIAL NO.</u>	<u>P.O. NO.</u>	<u>R.I.R. NO.</u>	<u>TRACEABLE ID NO.</u>	<u>QTY</u>
<u>CAP SCREW</u>	<u>N/A</u>	<u>R80696</u>	<u>TRANSFER FROM GENS</u>	<u>WN-3 0TY17</u>	<u>129</u>
<u>WN-11 0TY16</u>	<u>WN-2 0TY18</u>	<u>WN-10 0TY20</u>	<u>WN-12-18</u>	<u>WN-13-0TY12</u>	<u>WN-8-0TY18</u>
<u>WN-7 0TY10</u>	<u>WN-16TY1</u>	<u>WN-6 0TY1</u>			
<i>MATERIAL CAPSCREWS VERIFIED</i>					

BREW 0357
3/18/03

Attachment 2

RBG-47272

List of Regulatory Commitments

List of Regulatory Commitments

The following table identifies those actions committed to by Entergy in this document. Any other statements in this submittal are provided for information purposes and are not considered to be regulatory commitments.

COMMITMENT	TYPE (Check one)		SCHEDULED COMPLETION DATE
	ONE- TIME ACTION	CONTINUING COMPLIANCE	
<u>Entergy will continue to investigate and evaluate for suitability alternative inspection methods, such as the remote camera suggested by the NRC, for the third and subsequent ISI intervals as long as the impracticality remains.</u>		X	