



Entergy Nuclear Northeast  
Entergy Nuclear Operations, Inc.  
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Lycoming, NY 13093  
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January 19, 2005  
JAFP-05-0013

T.A. Sullivan  
Site Vice President - JAF

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

Subject: James A. FitzPatrick Nuclear Power Plant  
Docket No. 50-333  
License No. DPR-59  
**Inservice Inspection Summary Report**  
**2004 Refuel Outage (Reload 16/Cycle 17)**

- Reference:
1. Entergy letter to USNRC (JAFP-03-0111), "Proposed Alternatives In Accordance With 10CFR50.55a(g)(6)(ii)(A)(5) and Relief From ASME Section XI Code Regarding Inspection of RPV Vertical Shell Welds Pursuant to 10CFR50.55a(g)(6)(i)," (Relief Request No. 30), dated August 4, 2003.
  2. Letter, R. Laufer to M. Kansler, dated July 21, 2004, regarding "James A. FitzPatrick Nuclear Power Plant - Relief Request No. 30 for Third 10-Year Inservice Inspection (ISI) Program Interval" (TAC NO. MC0293)

Dear Sir:

This letter submits the James A. FitzPatrick (JAF) Owner's Activity Report, JAF-RPT-05-00005, Rev. 0 (Enclosure 1) which contains a summary of the Inservice Inspection (ISI) examinations conducted during the plant's fall 2004 Refuel Outage (Reload16/Cycle 17). This Report is being submitted in accordance with JAF's approved Relief Request RR-6 (implementation of Code Case N-532) as modified by those requirements specified in Regulatory Guide 1.147, rev. 13, Section B, "Discussion", which approved the use of Code Case N-532-1.

JAF was previously granted relief (Alternate to 10 CFR 50.55a(g)(6)(ii)(A)(2) Augmented RPV Examination) for the Third 10-Year ISI Interval (Reference 2). In its Request for Relief (Reference 1), Entergy stated that it planned to complete, to the

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maximum extent practical, the Phase II inspections (ID inspections) during the plant's fall 2004 Refuel outage (RO16). Entergy also agreed to provide NRC notification after completion of RO16 if any examination coverage was significantly different from those estimated.

Phase II inspections were not completed as anticipated due to unforeseen outage challenges. However, all remaining examinations have been scheduled to be performed during the plant's next Refuel Outage scheduled for Fall 2006. This will permit the completion of remaining Phase II examinations within the Third 10-Year ISI Program Interval which is scheduled to end December 31, 2006.

Enclosure II provides a summary of regulatory commitments made in this submittal.

Should you have any questions concerning this letter, please contact Mr. Andrew Halliday at (315) 349-6055.

This letter contains one new commitment.

Very truly yours,



T. A. SULLIVAN

TAS:GB

Enclosure I: JAF Owner's Activity Report (OAR), First Outage, Third Period, Third Interval (Report No. JAF-RPT-05-00005, rev.0)  
Attachment 1 - Abstract Of Examinations And Tests,  
Attachment 2 - Items With Flaws Or Relevant Conditions That Required Evaluation For Continued Service,  
Attachment 3 - Abstract Of Repairs, Replacements Or Corrective Measures Required For Continued Service.

Enclosure II: Summary of Regulatory Commitments

cc: Regional Administrator, Region 1  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406-1415

Office of the Resident Inspector  
U.S. Nuclear Regulatory Commission  
James A. FitzPatrick Nuclear Power Plant  
P.O. Box 136  
Lycoming, NY 13093

Mr. P. Milano, Sr. Project Manager  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
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Mr. Peter R. Smith, President  
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**Enclosure I to JAFP-05-0013**  
**Entergy Nuclear Operations, Inc. – J. A. FitzPatrick**  
**Docket No. 50-333**

**JAF Owner's Activity Report (OAR), First Outage, Third Period,  
Third Interval**

(Report No. JAF-RPT-05-00005, Rev. 0)

- Attachment 1 - Abstract of Examinations and Tests,**
- Attachment 2 - Items with Flaws or Relevant  
Conditions That Required Evaluation  
for Continued Service,**
- Attachment 3 - Abstract of Repairs, Replacements or  
Corrective Measures Required for  
Continued Service.**

		<b>ENTERGY NUCLEAR NORTHEAST</b> <b>Engineering Report Cover Sheet</b>	Engineering Report No. <u>JAF-RPT-05-00005</u> Rev. <u>0</u> Page <u>1</u> of <u>20</u>
<b>Engineering Report Title:</b> JAF Owner's Activity Report (OAR) First Outage, Third Period, Third Interval		<i>Attachment 1 9-1-7</i> <i>Attachment 2 1-5</i> <i>Attachment 3 1-5</i>	
<b>Engineering Report Type:</b> New <input checked="" type="checkbox"/> Revision <input type="checkbox"/> Cancelled <input type="checkbox"/> Superseded <input type="checkbox"/>		<i>AS</i> <i>1/20/05</i>	
<b>Applicable Site(s)</b> IP1 <input type="checkbox"/> IP2 <input type="checkbox"/> IP3 <input type="checkbox"/> JAF <input checked="" type="checkbox"/> PNPS <input type="checkbox"/> VY <input type="checkbox"/>		Quality-Related: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Prepared by: <u>A.D. Smith</u> <small>ASME Section XI Code Program plans per ENN-DC-120, if required.</small>	<u>A.D. Smith</u> Responsible Engineer (Print Name/Sign)	Date: <u>1/10/05</u>	
Reviewed by: <u>[Signature]</u>	<u>[Signature]</u> Design Verifier/Reviewer (Print Name/Sign)	Date: <u>1/10/05</u>	
*Reviewed by: <u>[Signature]</u>	<u>[Signature]</u> Authorized Nuclear In-Service Inspector (ANISI)	Date: <u>1/11/05</u>	
Approved by: <u>[Signature]</u>	<u>[Signature]</u> Supervisor (Print Name/Sign)	Date: <u>1/10/05</u>	
<b>Multiple Site Review (10)</b>			
Site	Design Verifier/Reviewer (Print Name/Sign)	Supervisor (Print Name/Sign)	Date

\*: For ASME Section XI Code Program plans per ENN-DC-120, if required.

FORM OAR-1  
OWNER'S ACTIVITY REPORT

As required by the provisions of the ASME Code Case N-632

Page 2 of 29  
1/20/05

Report Number JAF-RPT-05-00005 Rev. 0

Owner ENERGY NUCLEAR NORTHEAST - 440 Hamilton Ave., White Plains, New York 10601  
(Name and Address of Owner)

Plant James A. FitzPatrick Nuclear Power Plant, 268 Lake Rd., Lycoming, New York 13093  
(Name and Address of Plant)

Plant Unit N/A Commercial Service Date 7/28/75 Refueling Outage Number 16

Current Inspection Interval 3rd  
(1st, 2nd, 3rd, 4th, Other)

Current Inspection Period 3rd  
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the Inspection Plan 1989 Edition, No Addenda

Date and Revision of Inspection Plan: ISI Program JAF-ISI-0002 Rev. 3 / October 1, 2001

Edition and Addenda of ASME Section XI applicable to Repairs and Replacements, if different than the Inspection Plan \_\_\_\_\_

CERTIFICATE OF CONFORMANCE

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations and corrective measures represented by this report conform to the requirements of Section XI.

Certificate of Authorization No. \_\_\_\_\_ (if applicable) Expiration Date \_\_\_\_\_

Signed Robert P. Pawny, MGR-Engineering Date 1/10/05  
(Owner's Representative and Title) PROVVIS

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by NSB of NY have inspected the items described in this Owner's Activity Report, during the period 11/2002 to 12/2006, and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests, repairs, replacements, evaluations and corrective measures described in this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature [Signature] Commissions NS#10909, NYS. 5042, A, B, N, I  
Date 1/11/05 National Board, State, Province, and Endorsements

THIRD INTERVAL

ATTACHMENT 1

First Refueling Outage  
Third Period  
Refuel Outage 16

TABLE 1 ABSTRACT OF EXAMINATIONS AND TESTS					
Examination Category	Total Examinations Required for The Interval	Total Examinations Credited for This Period	Total Examinations Credited (%) For The Period	Total Examinations Credited (%) To Date for The Interval	Remarks
CLASS 1					
B-A	39	17	43%	53%	Approved Relief Request RR-17 deletes (4) RPV Circumferential Shell Weld Examinations, RR-18 defers the RPV Vertical Shell Weld examinations to RO16 (Year 2004) and RR-30 allows partial examination coverage for welds VV-3A & VV-3C from the RPV ID.- Remainder of exams are deferrable to End of Interval (Table IWB-2500-1)
B-D	54	0	0	59%	Table IWB-2500-1(Note 2) allows a maximum credit of 50% for the 1st Period
B-E	47	47	100%	100%	Examinations for components within this Category are performed every Refuel Outage RO13, 14, 15, 16, and RO17 in accordance ISI Pressure Test Program / Requirement Once Per Interval
B-F	0	0	0%	0%	Components within this category are part of the Augmented IGSCC Inspection Program and Risk-Informed Inspection Program. Exent and Frequency are in accordance with the IGSCC Inspection Program Criteria. Reference Code Category R-A Risk-Informed Inspection Program for examinations and percentages.
B-G-1	312	0	0%	27%	Exams for Items B6.180, 190, and 200 are required when disassembled
B-G-2	(6) -Valves, / (5) - RPVCH & Piping Flanges, / (1) - Pumps / 137 CRDs	(0) - Valves, / (4) RPVCH & Piping Flanges, / (1) Pumps / (20) CRDs	0% / 80% / 100% / 14%	Valves 33%, RPVCH & Piping Flanges, Pumps 100% / CRD(s) 69%	Totals in Examinations Required column for bolting per Interval is that of Components, not bolts. This includes Flanges, Valves, RPV Closure Head & Piping Flanges, Pumps, and CRD Flanges. CRDs examined only when disassembled. Bolting in Pressure Seal Valves are excluded. One RPVCH Piping Flange & Flange Bolting was deleted after 1st Period inspection. Deletion occurred during 1st Period. Remaining RPVCH & Piping Flange Bolting = 5
B-K (B-H)	5	1	20%	80%	
B-J	0	0	0%	0%	Components within this Category are part of the Risk-Informed Inspection Program and/or the Augmented IGSCC Inspection Program. Exent and Frequency requirements are conducted in accordance with the applicable program for that component. 1st Period (RO13 & RO14) requirements for Exent and Frequency are required to meet Risk-Informed Programatic criteria and when required the IGSCC Program requirements. Reference Code Category R-A Risk-Informed Inspection Program for examinations and percentages.

THIRD INTERVAL

ATTACHMENT 1

First Refueling Outage  
Third Period  
Refuel Outage 16

CLASS 1 "continued"					
TABLE 1					
ABSTRACT OF EXAMINATIONS AND TESTS					
Examination Category	Total Examinations Required for The Interval	Total Examinations Credited for This Period	Total Examinations Credited (%) For The Period	Total Examinations Credited (%) To Date for The Interval	Remarks
B-K (B-K-1)	13	3	23%	84%	Examinations conducted in accordance with Code Case N-509 "Alternate Rules for the Selection and Examination of Class 1, 2, and 3 Internally Welded Attachments, Section XI Division 1"
B-L-1	0	0	0	0	Not applicable to JAF (Pumps do not have casing welds)
B-L-2	Once per Interval (1) Pump	0	0	0	Exam required only when a pump is disassembled for maintenance, repair, or volumetric exam. Exams are limited to at least one pump in each group of pumps performing similar functions in the system.
B-M-1	0	0	0	0	Not applicable to JAF (Valves do not have valve body welds)
B-M-2	Once per Interval (18)	0	0%	33%	Exam required only when a valve is disassembled for maintenance, repair, or volumetric exam. Exams are limited to at least one valve within each group of valves that are of the same size, constructional design and manufacturing method, and that perform similar functions in the system.
B-N-1	As Required	As Required	As Required	As Required	Abstract of Examinations and Tests is submitted under a separate Entergy transmittal letter, JAFP-04-0190, dated December 15, 2004, JAFNPP Docket No. 50-333, In-Vessel Visual Inspection Summary Report 2004 Refuel Outage (Reload 16/Cycle 17)
B-N-2	As Required	As Required	As Required	As Required	Abstract of Examinations and Tests is submitted under a separate Entergy transmittal letter, JAFP-04-0190, dated December 15, 2004, JAFNPP Docket No. 50-333, In-Vessel Visual Inspection Summary Report 2004 Refuel Outage (Reload 16/Cycle 17)
B-O	10% (3)	4	100%	100%	Peripheral CRD Housings (28% Total) (Deferral to the End of Interval is permissible)
B-P	5	1	20%	80%	Each Refueling Outage RO13, 14, 15, 16, and 17 (IAW Code Case N-498-1)

TABLE 1					
ABSTRACT OF EXAMINATIONS AND TESTS					
Examination Category	Total Examinations Required for The Interval	Total Examinations Credited for This Period	Total Examinations Credited (%) For The Period	Total Examinations Credited (%) To Date for The Interval	Remarks
CLASS 2					
C-A	5	1	20%	80%	
C-B	4	2	50%	100%	
C-C	22	5	22%	77%	
C-D	0	0	0%	0%	Not Applicable to JAF
C-F-1	0	0	0	0	Not Applicable to JAF
C-F-2	0	0	0%	0%	The totals detailed in this category represent Section XI requirements for the 1st Period. Examinations conducted during RO14 (2nd Refuel Outage) are required to meet Section XI percentages and Risk-Informed Programmatic criteria. The Extent and Frequency for this category meet the Extent and Frequency criterion as stipulated in Section XI, and the Risk-Informed Inspection Program. Reference Code Category R. A Risk-Informed Inspection Program for examinations and percentages.
C-G	0	0	0	0	Not Applicable to JAF
C-H	447 (5)	149	20%	80%	Each Refueling Outage (IAW Code Case N-498-1) Percentages and Total exams performed and credited represent Period requirements only and do not include the required App. J testing.

THIRD INTERVAL

ATTACHMENT 1

First Refueling Outage  
Third Period  
Refuel Outage 16

TABLE 1					
ABSTRACT OF EXAMINATIONS AND TESTS					
Examination Category	Total Examinations Required for The Interval	Total Examinations Credited for This Period	Total Examinations Credited (%) For The Period	Total Examinations Credited (%) To Date for The Interval	Remarks
CLASS 3					
D-A (CC N-509)	16	2	13%	81%	Totals and percentages are based on Code Case N-509, Code Category D-A, Item Numbers D1.10, D1.20, D1.30 & D1.40 have incorporated exams performed under ASME 1989 Edition Code Category D-B, Items Numbers D2.20, D2.40, D2.50 & Code Category D-C, Item Numbers D3.20, D3.40 & D3.50.
D-B	0	0	0%	0%	Based on Code Case N-509 this Code Category is no longer applicable.
D-C	0	0	0%	0%	Based on Code Case N-509 this Code Category is no longer applicable.

**THIRD INTERVAL**

**ATTACHMENT 1**

**First Refueling Outage  
Third Period  
Refuel Outage 16**

TABLE 1					
ABSTRACT OF EXAMINATIONS AND TESTS					
Examination Category	Total Examinations Required for The Interval	Total Examinations Credited for This Period	Total Examinations Credited (%) For The Period	Total Examinations Credited (%) To Date for The Interval	Remarks
<i>IWF Component Supports</i>					
Class 1	23	3	13%	69%	Exams performed in accordance with Code Case N-491-1
Class 1 Snubber Clamps	5	0	0%	60%	
Class 2	48	9	19%	76%	Exams performed in accordance with Code Case N-491-1
Class 2 Snubber Clamps	9	0	0%	66%	
Class 3	39	6	15%	87%	Exams performed in accordance with Code Case N-491-1
Class 3 Snubber Clamps	5	0	0%	100%	
Supports other than Piping Supports	21	4	19%	81%	Exams performed in accordance with Code Case N-491-1
<b>Total Category F-A</b>	<b>148</b>	<b>22</b>	<b>15%</b>	<b>81%</b>	

**THIRD INTERVAL**

**ATTACHMENT 1**

**First Refueling Outage  
Third Period  
Refuel Outage 16**

TABLE 1					
ABSTRACT OF EXAMINATIONS AND TESTS					
Examination Category	Total Examinations Required for The Interval	Total Examinations Credited for This Period	Total Examinations Credited (%) For The Period	Total Examinations Credited (%) To Date for The Interval	Remarks
IWE Component Supports					
E-A	100% Per Period	2	5%	100%	The 2nd Period for IWE includes Refuel Outages 15 & 16. Exams are performed in accordance with ASME Section XI, 1998 Edition no Addenda.- Relief Request RR-27
E-B	.	.	.	.	* Based on ASME Section 1998 Edition this Code Category is no longer applicable.
E-C	N/A	N/A	N/A	N/A	Not applicable to JAF
E-D	.	.	.	.	* Based on ASME Section 1998 Edition this Code Category is no longer applicable.
E-F	.	.	.	.	* Based on ASME Section 1998 Edition this Code Category is no longer applicable.
E-G	.	.	.	.	* Based on ASME Section 1998 Edition this Code Category is no longer applicable.
E-P	.	.	.	.	* Based on ASME Section 1998 Edition this Code Category is no longer applicable.

**THIRD INTERVAL**

**ATTACHMENT 1**

**First Refueling Outage  
Third Period  
Refuel Outage 16**

TABLE 1					
ABSTRACT OF EXAMINATIONS AND TESTS					
Examination Category	Total Examinations Required for The Interval	Total Examinations Credited for This Period	Total Examinations Credited (%) For The Period	Total Examinations Credited (%) To Date for The Interval	Remarks
<b>RISK-INFORMED INSPECTION PROGRAM</b>					
Class 1	33 + 1				
Class 2	8				
Class 3	1 + 4*				* Inspection Credited from Augmented Inspection Programs
R-A	47	11	23%	78%	

Table 2

ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE

Examination Category	Item Number	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes / No)	Results
C-C	C3.20	Integrally Welded Attachment	The pressure boundary weld which joins RHR line 10-20"-W20-302-8A to the pipe support is only welded in two places rather than four as required by the controlled drawing. This results in a reduction of weld length from the drawing requirement of 48 inches to the field condition of 24 inches.	Yes	Acceptable for Continued Service - Per CR-JAF-2004-03826 / CA-00001 evaluation -The "as-built" weld configuration has been evaluated in MCC# DRN-04-06127 for calculation no. PFSK-1991, Rev. 0, which determined the weld to be acceptable. Additionally, DRN-04-06204 has been generated against pipe support drawing # PFSK-1991 sht. 2 of 3, Rev.1, to document the "as-built" integral attachment weld.
F-A	F1.10b	Constraint Type Support	ISI VT-3 examination of pipe support 13-4A-NS-9 identified clearances exceeding the drawing specifications. Drawing H13-10 specifies 1/8" clearances where a 5/16" clearance was identified at the top of the seismic constraint.	Yes	Acceptable for Continued Service - Per CR-JAF-2004-04094 / CA-00001 evaluation - Support calculation indicates that the latest design load in the vertical direction is seismic and the balance is a thermal load. This loading breakdown indicates that there will be no net positive force in the positive vertical direction and therefore, no upward movement of the pipe. Since the pipe will not move upward under any loading condition the restraint gap above is irrelevant and is not required to restrain the pipe in that direction.

Table 2

ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE					
Examination Category	Item Number	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes / No)	Results
R-A (B-J)	B9.11	Class 1 -Circumferential Weld	Ultrasonic examination of weld 18-34-389 per the ISI program identified a subsurface planer indication for evaluation	Yes	Acceptable for Continued Service - Per CR-JAF-2004-04472 - The examination results were correlated to conditions accepted by the construction radiographs and is acceptable per ASME Section XI IWB 3112 (b). CR generated for documentation and trending.
O&M Standard	N/A	Hydraulic / Snubber	One of the two existing extension piece jam nuts on pipe support PFSK-2366 / 10-32B-HS-278 (snubber) were found loose during a VT-3 In-service Inspection.	Yes	Acceptable for Continued Service - Per CR-JAF-2004-03596 / CA-00001- Snubber 10-32B-HS-278 was changed out with a rebuilt unit as stated in the Condition Description of this CR. A engineering evaluation concluded that the loose jam nut did not impact the structural integrity of the snubber/extension assembly. Therefore, snubber 10-32B-HS-278 would have been capable of performing its safety-related function for all design conditions.
F-A	F1.20e	Rigid Sway Strut	Cable tray with two armored cables was found resting on the horizontal member.	Yes	Acceptable for Continued Service - Per CR-JAF-2004-03647 - Engineering examined the condition of the rigid strut in contact with an existing tube tray. The sway strut is in touching the top edges of the tube tray and is in contact with the top face of the two (2) cables inside the tray. There were no signs of damage or degradation to the cables, the tube tray, or the sway strut. The centerline of the pipe clamp was found to be approximately 3" lower in elevation than the centerline elevation of the support base plate and beam attachment. Engineering recommend raising the centerline of the pipe clamp to the same centerline elevation of the base plate and beam attachment. Raising the clamp upward a minimum of 3" would allow sufficient clearance between the bottom of the sway strut and the top of the tube tray and the cables.

Table 2

ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE					
Examination Category	Item Number	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes / No)	Results
F-A	F1.20b	Vertical Constraint	VT-3 examination of pipe support 10-11A-NS-83 / PFSK-864 found the following rejectable conditions: 1) Pipe Line 10-24"-W20-302-11A touches the house steel at the top of the support. 2) Plate to trunion weld has slag inclusion. 3) Vertical support member at the top of the support has weld rod imbedded in the weld area. 4) The trunion support plate is half off of the support beam and not fully resting on the support.	Yes	Acceptable for Continued Service - Per CR-JAF-2004-03717 - The "as built" configuration discrepancies have been evaluated in calculation #JAF-CALC-04-00503 Rev. 0 and were determined to be acceptable. Additionally, DRN-04-05872 has been generated against pipe support drawing # PFSK-864, Rev.2, to document the "as-built" discrepancies. These actions complete the requirements of CA-00001 and the corrective action is ready for closure.
F-A	F1.20b	Constraint Type Support	ISI VT-3 examination identified missing or incomplete welds on the pipe support structure. 1) No weld exists at the top east end of lower TS 6x6x1/2" x1'-1-3/4" lg. 2) The 7" fillet weld between the top TS 6x6x1/2"x2'-4-1/2" and the 1" base plate is incomplete at west side. 3) The 1/4" fillet between top TS 6x6x1/2"x3'-6" and plate 1x23x2-1/2" is omitted for 1" at the hilt bolt.	Yes	Acceptable for Continued Service - Per CR-JAF-2004-03755 - These deficiencies were previously identified when the support was inspected under the pipe support program (F1-84-091) (11/1989). The as-built configuration has not been reconciled through the pipe support program. Two calculations have been performed (Calc. 02268 EM-38-815, Rev. 0 & Calc. JAF-CALC-MULTI-04056 Rev. 0) and an ECN (F1-84-091-2562) has been drafted to document the deficiencies but has not been approved or issued.
O&M Standard	N/A	Hydraulic / Snubber	Lisega snubber from location 02-2-2B-HS-4 functionally tested by WO JF-030388701 achieved lockup rate of 1.03ipm in the tension direction. The temperature compensated operability acceptance range contained in MST-100.01 is 1.80 to 19.30 ipm; the performance acceptance range is 6.30 to 13.30 ipm. As found is below both acceptance criteria.	Yes	Acceptable for Continued Service - Per CR-JAF-2004-04226 - After review of the snubber test data results show that the snubber is SAT. Problem is difference between interpretation of Bergen Patterson test data and This snubber manufactured by Lisega. See attached write up from Maintenance Supervisor which was reviewed and concurred to by Snubber Engineer. jpc

Table 2

ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE

Examination Category	Item Number	Item Description	Flaw Characterization (WA-3300)	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes / No)	Results
O&M Standard	N/A	Hydraulic / Snubber	During the ISI VT-3 inspection of snubber #23-19A-HS-4 the pipe clamp spherical bearing was bound up.	Yes	Acceptable for Continued Service - Per CR-JAF-2004-04191 - The spherical bearing was freed up once the performance test load was placed on the snubber body. The performance load was higher than the initial load applied by the mechanic (in the field) where the bound up condition was identified. The performance test demonstrated that the stainless steel spherical bearing allowed the snubber paddle to move freely about the bearing. The snubber remained to be operable and functional as intended
O&M Standard	N/A	Hydraulic / Snubber	The as found piston rod length of snubber JAF-306at location 10-1-HS-207 inspected under WO JF-030391900 was 2". The replacement snubber as installed has a piston rod length of 2". This does not meet the snubber preset piston rod length as called out in PFSK-4647(DCR 98-338), which is 3-3/4" to 4-1/2" +/- 1/4"	Yes	Acceptable for Continued Service - Per CR-JAF-2004-04269 - Based on review of pipe stress calculation C/S:JAF-C.5 Rev 0, the thermal movements of the piping for all plant design conditions will result in negligible movement of the snubber as it moves from its cold to hot position. Therefore the piston rod length os 2" is acceptable.
O&M Standard	N/A	Hydraulic / Snubber	The existing piston rod length of snubber JAF-347 at location 10-1-HS-209 was 5-3/8" when inspected under WO JF-030392100. The acceptable snubber setting per PFSK-4647(DCR_98-338) is 1-7/8" to 3" +/- 1/4". The replacement snubber JAF-345 has an installed piston rod length of 5-1/4". this is not within the limits of PFSK-4647.	Yes	Acceptable for Continued Service - Per CR-JAF-2004-04268 -Based on review of pipe stress calculation C/S:JAF-C5 Rev. 0, the thermal movements of the piping for all plant design conditions will result in negligible movement of the snubber as it moves from its cold to hot position. Therefore, the piston rod length of 2" is acceptable.

Table 2

ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE

Examination Category	Item Number	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes / No)	Results
O&M Standard	N/A	Hydraulic / Snubber	During the performance of replacing snubber 10-2C-HS-187 under WO JF-030401200 the piston setting were found out of tolerance.	Yes	Acceptable for Continued Service - Per CR-JAF-2004-03810 - The snubber was not inoperable. The piston setting of 3-3/8" is acceptable. CR-JAF-2002-03065 addressed this same issue except the piston setting was 3-1/2". The Engineering Evaluation to support operability (attached to CR-JAF-2002-03065) provides justification for the "as-found" piston setting. Since the current piston setting is 3-3/8", the snubber will extend 2-1/4" to 5-5/8" as it moves from its "cold" to "hot" position. Therefore, the snubber will continue to perform its design function with no limitation since its range of travel for all plant conditions is within the acceptable stroke (i.e. 0" to 6") of the snubber.
O&M Standard	N/A	Hydraulic / Snubber	An engineering walkdown identified two conduits in the vicinity of the snubber extension piece. One conduit having a clearance of 1/8" as identified in this Condition Report and the other conduit having a clearance of 1". The configuration was determined to be acceptable since the 1/8" gap will increase as the pipe moves approximately 1/2" thermally (i.e., delta X = -0.434" and delta Z = -0.195") from its cold to hot position during plant operation. The 1" gap between the extension piece and the second conduit will decrease approximately 1/2" from its cold to hot position during plant operation. Seismic displacement of the pipe at the snubber location is negligible since the pipe is located below grade in the Reactor Building West Crescent (minimal seismic response) and the pipe is anchored approximately 30 ft. from the snubber.	No	Acceptable for Continued Service - Per CR-JAF-2004-03839 - Drawing No. PFSK-2243, Rev. 1, will be revised per DRN #04-06285 to show the clearance between the two (2) existing conduits and the snubber extension piece.  Reference: ER #JAF-04-34781, Rev. 0

TABLE 3

## ABSTRACT OF REPAIRS, REPLACEMENTS OR CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE

CODE CLASS	Repair / Replacement or Corrective Measure	Item Description and Description of Work	Flaw or Relevant Condition Found During Scheduled Examination or Test (Yes/No)	Close Date	Repair / Replacement Plan Number	Work Order Number
3	Repair	Strainer Wall Thickness Weld Patch	Yes	3/23/2004	04-001	JF-030618500
3	Repair	Strainer Wall Thickness Weld Patch	Yes	9/2/2004	04-002	JF-030618600
1	Replacement	REMOVE SNUBBER JAF-L-504 FROM LOCATION 02-2-2B-HS-4 AND INSTALL JAF-L-501 PER MP-100.03.	No	10/7/2004	04-003	JF-030388700
1	Replacement	CRDU Bolt Replacement due to missing washers	Yes	10/14/2000	04-004	JF-020806300
3	Repair	BFSK-1064	Yes	5/4/2004	04-005	JF-020228000
1	Replacement	CRDU Bolt	Yes	10/14/2000	04-007	JF-030419300
1	Replacement	Snubber Replacement (02-2-2B-HS-4)	No	10/15/2004	04-008	JF-030388700
2	Replacement	Snubber Replacement (10-10B-HS-18)	No	8/10/2004	04-009	JF-030395000
1	Replacement	Snubber Replacement (14-9A-HS-14)	No	9/2/2004	04-011	JF-030400900
2	Replacement	REMOVE SNUBBER JAF-130 FROM LOCATION 10-10B-HS-20 AND INSTALL JAF-127	No	6/17/2004	04-013	JF-030395200
2	Replacement	REMOVE SNUBBER JAF-152 FROM LOCATION 10-10B-HS-17 AND INSTALL JAF-810	No	6/17/2004	04-014	JF-030400700
2	Replacement	REMOVE SNUBBER JAF-10753 FROM LOCATION 10-7B-HS-3 AND INSTALL JAF-8423	No	6/22/2004	04-015	JF-030401800
3	Repair	DISASSEMBLE/CLEAN AND REPAIR UNIT COOLER AND ASSOCIATED PIPING AND VALVES PER MAINTENANCE	No	8/2/2004	04-017	JF-031007300
3	Replacement	67UC-16B has a tube leak.	Yes	10/25/2004	04-018	JAF-04-18338
3	Replacement	Snubber Replacement (10-30B-HS-1002)	No	10/14/2004	04-020	JF-030395800

TABLE 3

## ABSTRACT OF REPAIRS, REPLACEMENTS OR CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE

CODE CLASS	Repair / Replacement or Corrective Measure	Item Description and Description of Work	Flaw or Relevant Condition Found During Scheduled Examination or Test (Yes/No)	Close Date	Repair / Replacement Plan Number	Work Order Number
2	Replacement	Snubber Replacement (Remove snubber JAF-305 from location 10-17-HS-55 )	No	8/11/2004	04-021	JAF-03-27015
3	Replacement	REPLACE 46SWS-127 RETURN VALVE	No	10/15/2004	04-022	JAF-04-10058
2	Replacement	Replace snubber JAF-125 with snubber JAF-164.	No	10/13/2004	04-023	JF-030396600
2	Replacement	REMOVE SNUBBER JAF-288 PERFORM FUNCTIONAL TEST & rebuild, and reinstall.	No	9/26/2004	04-025	JF-030401300
2	Replacement	REMOVE SNUBBER JAF-408/PERFORM FUNCTIONAL TEST/rebuild, and reinstall	No	10/12/2004	04-028	JF-030401700
2	Replacement	REMOVE SNUBBER JAF-827 PERFORM FUNCTIONAL TEST & rebuild, and reinstall.	No	9/6/2004	04-033	JF-030401800
2	Replacement	REMOVE SNUBBER JAF-209 FROM LOCATION 10-8A-HS-33 FUNCTIONAL TEST & INSTALL JAF-229 PER MP-100.03.	No	10/19/2004	04-034	JF-030401400
2	Replacement	REMOVE SNUBBER JAF-236 PERFORM FUNCTIONAL TEST & rebuild, and reinstall.	No	10/21/2004	04-035	JF-030401200
3	Repair	Repair Areas of Localized Wall Thinning on 10S-5B1 Strainer Basket Housing	Yes	12/1/2004	04-037	JAF-04-21896
3	Replacement	Replace quantity one nut on 15 AOV-132A Bonnet of valve	Yes	11/9/2004	04-039	JAF-03-27262

TABLE 3

## ABSTRACT OF REPAIRS, REPLACEMENTS OR CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE

CODE CLASS	Repair / Replacement or Corrective Measure	Item Description and Description of Work	Flaw or Relevant Condition Found During Scheduled Examination or Test (Yes/No)	Close Date	Repair / Replacement Plan Number	Work Order Number
2	Repair	Replace Downstream Seat ring internal seal weld on pressure boundary	Yes	12/2/2004	04-040	JAF-04-39659
1	Replacement	REMOVE SNUBBER JAF-144 FROM LOCATION 23-19A-HS-4 AND INSTALL JAF-145 PER MP-100.03.	No	10/7/2004	03-00002-34	03-03898-00
1	Replacement	REMOVE SNUBBER JAF-532 FROM LOCATION 29-1B-HS-18 AND INSTALL JAF-533 PER MP-100.03.	No	10/7/2004	03-00002-38	03-03883-00
1	Replacement	REMOVE SNUBBER JAF-508 FROM LOCATION 02-2-1B-HS-17 AND INSTALL JAF-508 PER MP-100.03.	No	10/7/2004	03-00002-21	03-03927-00
1	Replacement	REMOVE SNUBBER JAF-313 FROM LOCATION 02-2-1A-HS-12 AND INSTALL JAF-309 PER MP-100.03.	No	10/7/2004	03-00002-17	03-03900-00
1	Replacement	REMOVE SNUBBER JAF-412 FROM LOCATION 02-2-1B-HS-12 AND INSTALL JAF-417 PER MP-100.03.	No	10/7/2004	03-00002-19	03-03923-00
1	Replacement	REMOVE SNUBBER JAF-413 FROM LOCATION 02-2-1B-HS-19 AND INSTALL JAF-419 PER MP-100.03.	No	10/10/2004	03-00002-22	JF-030392500 03-03925-00
	Replacement	REMOVE SNUBBER JAF-517 FROM LOCATION 29-1D-HS-39 AND INSTALL JAF-515 PER MP-100.03.	No	10/10/2004	03-00002-40	JF-030392900 03-03939-00
1	Replacement	REMOVE SNUBBER JAF-315 FROM LOCATION 02-2-1B-HS-13 AND INSTALL JAF-304 PER MP-100.03.	No	10/10/2004	03-00002-20	JF-030387500 03-03875-00
1	Replacement	REMOVE SNUBBER JAF-315 FROM LOCATION 02-2-1B-HS-13 AND INSTALL JAF-304 PER MP-100.03.	No	10/10/2004	03-00002-21	JF-030387500 03-03875-01
2	Repair	REPAIR H10-42A PER F1-84-091	No	10/10/2004	03-00002-53	JF-020209700 02-02097-00
1	Replacement	REMOVE SNUBBER JAF-421 FROM LOCATION 34-4A-HS-17 AND INSTALL JAF-420 PER MP-100.03.	No	10/10/2004	03-00002-41	JF-030392600 03-03926-00
1	Replacement	REMOVE SNUBBER JAF-323 FROM LOCATION 02-2-1A-HS-18 AND INSTALL JAF-327 PER MP-100.03.	No	10/11/2004	03-00002-18	JF-030390200 03-03902-00
1	Replacement	REMOVE SNUBBER JAF-526 FROM LOCATION 29-1A-HS-8A AND INSTALL JAF-541 PER MP-100.03.	No	10/11/2004	03-00002-35	JF-030388100 03-03881-00
1	Replacement	REMOVE SNUBBER JAF-521 FROM LOCATION 29-1D-HS-35 AND INSTALL JAF-516 PER MP-100.03.	No	10/11/2004	03-00002-39	JF-030388500 03-03885-00
1	Replacement	REMOVE SNUBBER JAF-529 FROM LOCATION 02-2-2A-HS-8 AND INSTALL JAF-536 PER MP-100.03.	No	10/11/2004	03-00002-24	JF-030387900 03-03879-00
2	Replacement	REMOVE SNUBBER JAF-306 FROM LOCATION 10-1-HS-207 AND INSTALL JAF-310 PER MP-100.03.	No	10/12/2004	03-00002-26	JF-030391900 03-03919-00
1	Replacement	REMOVE SNUBBER JAF-347 FROM LOCATION 10-1-HS-209 AND INSTALL JAF-345 PER MP-100.03.	No	10/12/2004	03-00002-32	JF-030392100 03-03921-00

TABLE 3

## ABSTRACT OF REPAIRS, REPLACEMENTS OR CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE

CODE CLASS	Repair / Replacement or Corrective Measure	Item Description and Description of Work	Flaw or Relevant Condition Found During Scheduled Examination or Test (Yes/No)	Close Date	Repair / Replacement Plan Number	Work Order Number
3	Replacement	46EXJ-10B	No	10/12/2004	03-00002-28	JF-020135900 02-01359-00
3	Replacement	46EXJ-10D	No	10/12/2004	03-00002-30	JF-020136100 02-01361-00
3	Replacement	Replace snubber S/N JAF-135 with S/N JAF-126.10-30B-HS-1003	No	10/12/2004	03-00002-72	JF-030396000 03-03960-00
2	Replacement	REMOVE SNUBBER JAF-298 FROM LOCATION 10-15A-HS-103 AND INSTALL JAF-278 PER MP-100.03.	No	10/12/2004	03-00002-78	JF-030401100 03-04011-00
2	Replacement	REMOVE SNUBBER JAF-298 FROM LOCATION 10-15A-HS-103 AND INSTALL JAF-278 PER MP-100.03.	No	10/12/2004	03-00002-79	JF-030401100 03-04011-01
3	Replacement	46EXJ-10C	No	10/13/2004	03-00002-29	JF-020136000 02-01360-00
3	Replacement	46EXJ-10A	No	10/13/2004	03-00002-27	JF-020135800 02-01358-00
2	Replacement	REMOVE SNUBBER JAF-298 FROM LOCATION 10-15A-HS-103 AND INSTALL JAF-278 PER MP-100.03.	No	10/13/2004	03-00002-78	JF-030401100 03-04011-00
1	Replacement	REMOVE SNUBBER JAF-181 FROM LOCATION 12-1-HS-20A AND INSTALL JAF-120 PER MP-100.03.	No	10/14/2004	03-00002-33	JF-030387300 03-03873-00
1	Replacement	new body (JAF 110) on 02RV-71G See Rome WR 02-08203-00	No	12/2/2004	03-00002-60	JAF-04-37003

TABLE 3

## ABSTRACT OF REPAIRS, REPLACEMENTS OR CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE

CODE CLASS	Repair / Replacement or Corrective Measure	Item Description and Description of Work	Flaw or Relevant Condition Found During Scheduled Examination or Test (Yes/No)	Close Date	Repair / Replacement Plan Number	Work Order Number
1	Replacement	02RV-71C Relief Valve Replacement of Main Body Bolting	No	11/9/2004	03-00002-56	JF-020771201 02-07712-01
1	Replacement	02V-1 ADS Reactor Vessel Replacement of Bolting	No	11/9/2004	00-00004-12	JF-030527100 03-05271-00
1	Replacement	02RV-71H Relief Valve Replacement of Main Body Bolting	No	11/9/2004	03-00002-61	JF-020820201 02-08202-01
3	Replacement	46-SWS-127J Replacement of Valve	No	12/1/2004	03-00002-91	JF-030908700
1	Replacement	10SV-74A / RHR Heat Exchanger "A" Steam Inlet Safety	Yes	10.14.04	04-042	JAF-001093300
3	Replacement	46-SWS-127K Replacement of Valve	No	12/1/2004	03-00002-52	JF-030795700

**Enclosure II to JAFP-05-0013**  
**Entergy Nuclear Operations, Inc. – J. A. FitzPatrick**  
**Docket No. 50-333**

<b>REGULATORY COMMITMENT</b>	<b>TYPE</b>		<b>SCHEDULED COMPLETION DATE</b>
	<b>One Time Action</b>	<b>Continuing Compliance</b>	
<p><b>This letter contains One (1) new commitment.</b></p> <p><b>Entergy Nuclear Operations (ENO) will complete all remaining required Third 10-Year Inservice Inspection (ISI) Program Interval reactor pressure vessel (RPV) weld examinations at the James A. FitzPatrick Nuclear Power Plant (JAFNPP) during the plant's Fall 2006 Refuel Outage</b></p>	<p><b>X</b></p>		<p><b>JAFNPP Fall 2006 Refuel Outage</b></p>