



February 2, 2007  
JAFP-07-0020

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  
2006 Refuel Outage (Reload 17/Cycle 18)**

- 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)
  3. Entergy letter to USNRC (JAFP-05-0013), "Inservice Inspection Summary Report 2004 Refuel Outage (Reload 16/Cycle 17)", dated January 19, 2005

Dear Sir:

This letter submits the James A. FitzPatrick (JAF) Owner's Activity Report, JAF-RPT-07-00002, Rev. 0 (Enclosure 1) which contains a summary of the Inservice Inspection (ISI) examinations conducted during the plant's fall 2006 Refuel Outage (Reload17/Cycle 18). 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.

A047

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 maximum extent practical, the Phase II inspections (ID inspections) during the plant's fall 2004 Refuel outage (RO16). Entergy provided NRC notification after completion of RO16 that Phase II inspections were not completed as anticipated due to unforeseen outage challenges. However, all remaining examinations were rescheduled and performed during the plant's Refuel Outage in the fall 2006. This allowed completion of the Phase II examinations within the Third 10-Year ISI Program Interval which ended December 31, 2006.

Should you have any questions concerning this letter, please contact Mr. Jim Costedio at (315) 349-6358.

This letter contains no new commitments.

Very truly yours,

  
Jim Costedio

JC:ed

Enclosure I: JAF Owner's Activity Report (OAR), First Outage, Third Period, Third Interval (Report No. JAF-RPT-07-00002, 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.

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. John P. Boska, Project Manager  
Plant Licensing Branch I  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Mail Stop O-8-C2  
Washington, DC 20555-0001

Mr. Peter R. Smith, President  
NYSERDA  
17 Columbia Circle  
Albany, NY 12203-6399

**Enclosure I to JAFP-07-0020**  
**Entergy Nuclear Operations, Inc. – J. A. FitzPatrick**  
**Docket No. 50-333**

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

(Report No. JAF-RPT-07-00002, 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>NUCLEAR MANAGEMENT MANUAL</b>	QUALITY RELATED	EN-DC-147	REV. 2
		INFORMATIONAL USE	PAGE 13 OF 22	
Engineering Reports				

ATTACHMENT 9.1  
SHEET 1 OF 2

ENGINEERING REPORT COVER SHEET & INSTRUCTIONS

	Engineering Report No.	JAF-RPT-07- 00002	Rev 0
		Page 1	of 18

  



**ENTERGY NUCLEAR**  
Engineering Report Cover Sheet

**Engineering Report Title:**  
JAF Owners Activity Report (OAR)  
2<sup>ND</sup> Outage Third Period 3<sup>RD</sup> Interval

**Engineering Report Type:**

New     Revision     Cancelled     Superseded

**Applicable Site(s) (4)**

IP1     IP2     IP3     JAF     PNPS     VY     WPO   
ANO1     ANO2     ECH     GGNS     RBS     WF3

DRN No.  N/A;

**Report Origin:**  Entergy     Vendor  
Vendor Document No.: \_\_\_\_\_

**Quality-Related:**  Yes     No

Prepared by: Aturo D. Smith/ *Aturo Smith*    Date: 1/31/07  
Responsible Engineer (Print Name/Sign)

Design Verified/ Glenroy Smith/ *GS*    Date: 1/31/07  
Design Verifier (if required) (Print Name/Sign)

Reviewed by: D. Vandermark / Neal Chapman    Date: 2/1/07  
Reviewer (Print Name/Sign)

Reviewed by\*: Ronald Fabiny/ *Ronald Fabiny*    Date: 2/1/07  
ANII (if required) (Print Name/Sign)

Approved by: Robert Penny/ *RP*    Date: 2/1/07  
Approved by: Joseph Pechacek / *JP*    Date: \_\_\_\_\_  
Manager (Print Name/Sign)

FORM OAR-1  
OWNER'S ACTIVITY REPORT

As required by the provisions of the ASME Code Case N-532

Page 2 of 28 18

DEV  
2/1/07

Report Number JAF-RPT-07-00002 Rev. 0

Owner ENTERGY 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 17

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. <sup>4</sup> October 1, 2001 March 28, 2005 2/1/07

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 Perry, Plant Manager Date 2/1/07  
(Owner's Representative and Title)

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 HSB CT of HARTFORD, CT have inspected the items described in this Owner's Activity Report, during the period 12/04 to 02/07, 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 Ronald P. Tobing Commissions M3061 NB9809  
National Board, State, Province, and Endorsements  
Date 2/1/07

THIRD INTERVAL

ATTACHMENT 1

2nd Refueling Outage  
Third Period  
Refuel Outage 17

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>CLASS 1</b>					
B-A	39	15	38%	82%	Approved Relief Request RR-17 deletes (4) RPV Circumferential Shell Weld Examinations (not included in Total Exams Required for Interval), RR-30 allows partial examination coverage for welds VV-3A & VV-3C from the RPV ID. (7) Bottom RPV Head Welds are inaccessible VV-BH-2(A-F) and VC-BH-2-3
B-D	54	24	44%	100%	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. Extent 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	212	122	47%	100%	Exams for Items B6.180, 190, and 200 were not disassembled during the 4th Interval (Total components = 48) the 4 Studs under Item No. B6.30 were inspected under Item No. B6.20 - Only (4) Bushings were inspected during the interval based on disassembly(48) not inspected. Totaling = 212 items under Code Category B-G-1 Requiring Examination
B-G-2	(6) - Valves, / (5) - RPVCH & Piping Flanges, / (1) - Pumps / 137 CRDs	(1) - Valves, / (1) RPVCH & Piping Flanges, / (1) Pumps / (18) CRDs	16% / 100% / 100% / 13%	Valves 50%, RPVCH & Piping Flanges, Pumps 100% / CRD(s) 100%	Totals in Examinations Required column for bolting per Interval is that of Components, <u>not</u> bolts. This includes Flanges, Valves, RPV Closure Head & Piping Flanges, Pumps, and CRD Flanges. CRD's 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%	100%	
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. Extent and Frequency requirements are conducted in accordance with the applicable program for that component. 1st Period (RO13 & RO14) requirements for Extent and Frequency are required to meet Risk-Informed Programmatic criteria and when required the IGSCC Program requirements. Reference Code Category R-A Risk-Informed Inspection Program for examinations and percentages.

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	6	46%	100%	Examinations conducted in accordance with Code Case N-509 "Alternate Rules for the Selection and Examination of Class 1, 2, and 3 Integrally 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 (Reference Remarks)	As Required (Reference Remarks)	As Required (Reference Remarks)	As Required (Reference Remarks)	Examinations that fall under Code Category B-N-1, are performed in accordance with NRC approved Relief Request RR-39, that allows the use of the BWRVIP Guidelines and Recommendation for the performance of examinations required for Interior of Reactor Vessel, Item B13.10. Under the BWRVIP Guidelines all examinations as required have been completed.
B-N-2	As Required (Reference Remarks)	As Required (Reference Remarks)	As Required (Reference Remarks)	As Required (Reference Remarks)	Examinations that fall under Code Category B-N-2, are performed in accordance with NRC approved Relief Request RR-39, that allows the use of the BWRVIP Guidelines and Recommendation for the performance of examinations required for Interior of Reactor Vessel, Item B13.20 through B13.40. Under the BWRVIP Guidelines all examinations as required have been completed.
B-O	10% (3)	0	0%	100%	Peripheral CRD Housings (28% Total) (Deferral to the End of Interval is permissible)
B-P	5	1	20%	100%	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
<b>CLASS 2</b>					
C-A	5	1	20%	100%	
C-B	4	0	0%	100%	
C-C	22	11	50%	100%	
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%	100%	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.

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	4	25%	100%	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.

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>IWF Component Supports</b>					
Class 1	23	7	30%	100%	Exams performed in accordance with Code Case N-491-1
Class 1 Snubber Clamps	5	2	40%	100%	
Class 2	46	11	24%	100%	Exams performed in accordance with Code Case N-491-1
Class 2 Snubber Clamps	9	3	33%	100%	
Class 3	39	7	18%	100%	Exams performed in accordance with Code Case N-491-1
Class 3 Snubber Clamps	5	0	0%	100%	
Supports other than Piping Supports	21	8	38%	100%	Exams performed in accordance with Code Case N-491-1
<b>Total Category F-A</b>	<b>148</b>	<b>38</b>	<b>25%</b>	<b>100%</b>	

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 (5)	1	20%	100%	The 3rd Period for IWE includes Refuel Outages 17. 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.

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
<b>R-A</b>	<b>47</b>	<b>12</b>	<b>26%</b>	<b>100%</b>	

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	F1.10b	Piping Support (Constraint)	A conduit was found to be in direct contact with a support in the Drywell "H34-108, drawing 6.21-34-108 Sheet 2	Yes	Acceptable for Continued Service - Per CR-JAF-2006-04247 / CA-00001 evaluation - Disposition: An engineering walkdown of the subject conduit and piping spring hanger was performed on 10/20/06 with the following observations and determination: The conduit is touching the spring can post in 2 places, but the conduit can be freely moved. There is a gradual bend in the conduit at the spring hanger location indicative of a fabrication bend. The conduit is not dented, kinked, or compressed. There are no visible wear or distress marks on either the conduit or spring hanger hardware. There is no evidence that the spring hanger movement of 1/16" between its hot (operating) and cold (shutdown condition) set position has been impeded/restrained by the conduit. Based on the walkdown observations discussed above, there is no evidence that the conduit or spring hanger are (nor have been in the past) adversely affected by the existing condition identified in CR-JAF-2006-04267. It is judged that both the conduit and the spring hanger will continue to perform their design functions. However, Work Order # JAF-2006-2805 has been initiated to rework the conduit to obtain additional clearance.
IWE	N/A	Associated Bolting at Penetration 16X-200C	During In-Service Inspection of 16X-200C under work order JAF-06-23058 (4) of the removed bolting; 24 (total) studs and 7 of 48 (total) nuts were found missing	Yes	Replaced with new bolting / nuts and performed PSI exam.

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
B-N-2	B13.20	RPV (Shroud Weld)	Shroud weld SV-5A was inspected by ultrasonic examination methods during Refuel Outage R17. Visual examinations performed during Refuel Outage R14 indications were noted. The indications noted during the R14 outage were reviewed based on the UT data collected during R17 and evaluated against the calculations performed during R14 to ensure the indications are bounded by the calculation. Reference CR-JAF-2006-004238.	Yes	Summary: The flaw is acceptable through the present analysis until R18. This is based on the remaining uncracked ligament and that no flaw will go through-wall. In addition, this weld is protected by HWC/NWCA and should reduce crack growth. Follow up Actions: A corrective action will be issued to revise the calculation (JAF-CALC-NBS-04298), to determine the next inspection interval per BWRVIP-76 and the NRC's SER on BWRVIP-76, dated 7/27/2006
B-N-2	B13.20	RPV (Shroud Weld)	Shroud weld SV-5A was inspected by ultrasonic examination methods during Refuel Outage R17. Visual examinations performed during Refuel Outage R14 indications were noted. The indications noted during the R14 outage were reviewed based on the UT data collected during R17 and evaluated against the calculations performed during R14 to ensure the indications are bounded by the calculation. Reference CR-JAF-2006-004287.	Yes	Summary: The flaws are acceptable through the present analysis until R18. This is based on the remaining uncracked ligament and that no flaw will go through wall for at least on operating cycle. In addition, this weld is protected by HWC/NWCA and this should reduce crack growth. Follow up Actions: A corrective action will be issued to revise the calculation (JAF-CALC-NBS-04298), to determine the next inspection interval per BWRVIP-76 and the NRC's SER on BWRVIP-76, dated 7/27/2006
B-N-2	B13.20	Jet Pump	Jet Pump welds were ultrasonically inspected during Refuel Outage R17 and indication were noted on Welds DF-2, DF-3, and AD-3b (the lower fillet weld on the DF-3 backing ring). These welds were visually inspected in the past. Reference CR-JAF-2006-04419	Yes	Summary: No crack depth sizing was provided with the UT data and the visual inspection of jet pumps 1 and 3 showed no outside surface flaws at the DF-2 welds. Measured indication on the DF-2 welds are less than the allowable crack size and as such the structural integrity of these welds is maintained for at least one operating cycle. All measured indications are bounded by the existing structural analysis and the welds maintain their structural integrity. Jet pump indications identified during R17 with crack growth are conservatively bounded by existing flow margins in the LPCI/RHR system including leakage associated with postulated core shroud weld cracks. Reference Calculation JAF-CALC06-00087, Allowable Flaw Size and Leakage Calculation, October 2006.

Third Interval

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
<b>ISI Repair / Replacement 2005 Planners</b>						
2	Modification	Install Hydrolase connections	No	7/18/2005	05-001	JAF-04-41945
3	Replacement	Flush ESW Header, 46-2"-WES-151-117 Cut and reweld per weld map	No	6/7/2005	05-003	JF-030170200
3	Replacement	Replace ESW return line (2 1/2"-WES-151-61) from 66UC-22K to 46SWS-127K. Unit Cooler ^UC-22K is the only U/C not	No	8/4/2005	05-004	JAF-04-32288
3	Repair	Repair two local thinned areas on 24" Strainer Basket Housing 10S-5B2	No	2/1/2007	05-005	JAF-05-15957
3	Replacement	70AHU-19B Replace leaking piping and coils	No	7/18/2005	05-006	JAF-04-41121
1	Replacement	Replace 20RV-71G Pilot	No	11/16/2006	05-008	JAF-04-37003
1	Replacement	Replace 20RV-71B Pilot	No	11/16/2006	05-009	JF-030346200 /JAF-0520139
1	Replacement	Replace 20RV-71H Pilot	No	1/12/2007	05-010	JAF-04-36721
1	Replacement	Replace 20RV-71F Pilot	No	11/17/2006	05-011	JF-030346700
1	Replacement	Replace 20RV-71J Pilot	No	11/16/2006	05-012	JAF-04-37004
1	Replacement	Replace 20RV-71K Pilot	No	11/17/2006	05-013	JF-030346400

Third Interval

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	Replace 20RV-71A Pilot	No	11/16/2006	05-014	JF-030346300 / JAF-05-20134
1	Replacement	Replace 20RV-71C Pilot	No	11/16/2006	05-015	JAF-05-20134
1	Replacement	Replace 20RV-71D Pilot	No	11/16/2006	05-016	JF-030346800
1	Replacement	Replace 20RV-71E Pilot	No	11/17/2006	05-017	JF-030346600
1	Replacement	Replace 20RV-71L Pilot	No	11/17/2006	05-018	JF-030346500
2	Repair	Torus	No	7/18/2006	05-020	JAF-05-24248
3	Repair	RHR -PFSK-2285 Crack	No	8/4/2006	05-021	JAF-05-25011
3	Replacement	RHRSW Pump A Discharge Rubber Expansion Joint 10EXJ-4A	No	6/6/2006	05-022	JF-020995200
3	Replacement	Repair/Replace 67UC-16A Cooling Coils - 2A Lower Coil Leakage	No	11/1/2006	05-023	JAF-05-25945

Third Interval

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	3A Clean/replace piping from spool piece on 2"-WES-151-117 back to main header 46-10"-WES-151-37	No	11/21/2006	05-025	JAF-05-22322
3	Repair	Perform Unit Cooler Preventive Maintenance	No	2/1/2007	05-026	JF-030495400
2	Replacement	14-SV-20B	No	8/21/2006	05-027	JAF-05-30692
3	Replacement	46P-2A is degraded and needs to be repaired or replaced prior to reaching vibration level unacceptable per St-8Q	No	12/20/2005	05-028	JAF-04-24011
1	Replacement	Replace snubber JAF-838 with S/N JAF-122	No	2/1/2007	05-029	JF-030395500
1	Replacement	70tcv-121a	No	8/21/2006	05-030	JAF-05-13253
<b>ISI Repair / Replacement 2006 Planners</b>						
1	Replacement	REPLACE CRDM CAPSCREWS ON SELECTED DRIVES TO MEET NRC COMMITMENT	No	2/1/2007	06-002 see 06-045	JF-020806302 see Jaf-05-17546
1	Replacement	Remove and replace 11SV-39A SLC PUMP 2A DISCH SAFETY VALVE	No	11/17/2006	06-004	JAF-06-11187
1	Replacement	REPLACE SNUBBER JAF-815 WITH JAF-820.	No	6/6/2006	06-005	JF-030398800
1	Replacement	02-2-2A-HS-3 A RECIRC PUMP DISCH LINE SNUBBER	No	10/25/2006	06-006	JAF-05-20901
1	Replacement	02-2-1A-HS-18 A RECIRC PUMP SNUBBER	No	10/25/2006	06-008	JAF-05-20853
1	Replacement	REMOVE & REPLACE SNUBBER WITH JAF-424	No	2/1/2007	06-011	JAF-05-20875
1	Replacement	23-19A-HS-3 Remove JAF-295 from location 23-19A-HS-3 and install JAF-238	No	2/1/2007	06-012	JAF-05-20834

Third Interval

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	Remove JAF-537 from location 29-1B-HS-17 and install JAF-521	No	10/25/2006	06-016	JAF-05-20910
2	Replacement	Remove JAF-414 from location 34-5C-HS-6 and install JAF-416	No	10/25/2006	06-020	JAF-05-20890
1	Replacement	Remove JAF-520 from location 29-1C-HS-21 and install JAF-529 (	No	2/1/2007	06-021	JAF-05-20913
1	Replacement	Remove JAF-554 from location 29-1C-HS-23B and install JAF-543	No	10/28/2006	06-022	JAF-05-20918

Third Interval

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	Remove JAF-553 from location 02-2-1B-HS-15 and install JAF-508	No	2/1/2007	06-029	JAF-05-20902
1	Replacement	Remove JAF-501 from location 02-2-1B-HS-20 and install JAF-513	No	2/1/2007	06-030	JAF-05-20904
1	Replacement	Remove JAF-523 from location 29-1A-HS-6B and install JAF-514	No	10/25/2006	06-036	JAF-05-20906
3	Repair	Repair Pitted Section of 10S-5B1 RHRSW Strainer Basket Housing Discharge Pipe	No	8/21/2006	06-037	JAF-06-13036
1	Replacement (potential)	REMOVE/INSTALL HATCH COVER ON TORUS MANWAY 16X-200C	No	11/22/2006	06-038	JAF-06-13012
1	Replacement	REMOVE SNUBBER JAF-232 FROM LOCATION 10-2C-HS-186A REPLACE WITH JAF-817	No	2/1/2007	06-039	JF-030398600
1	Replacement	REPLACE VALVES 29MST-402 AND 29MST-403	No	11/17/2006	06-041	JAF-06-11334
3	Replacement	Replace Relief Valve 13SV-26	No	11/17/2006	06-042	JAF-04-24730
3	Replacement	Replace 46EXJ-9B	No	11/22/2006	06-043	JF-011031101

Third Interval

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	Replace 46EXJ-9D	No	11/22/2006	06-044	JF-011031102
2	Replacement	Replace CRDMs during RO17. Number of drives and location to be finalized in 2006. 03CRDU-42-27	No	2/1/2007	06-045	JAF-05-17546
2	Replacement	INSTALLATION OF MOD TO ELIMINATE STEAM CONDENSING MODE OF RHR - ER# JAF-05-10930	No	11/21/2006	06-046	JAF-05-24009
2	Replacement	Replace 23-MOV-16 and 60	No	1/3/2007	06-047	JAF-05-24006 JAF-06-35430
2	Replacement	Remove snubber JAF-02131 from location 10-15B-MS-125B and install JAF-05228	No	8/21/2006	06-048	JAF-06-13788
2	Replacement	REMOVE JAF-05426 & REPLACE SNUBBER WITH JAF-08422	No	2/1/2007	06-049	JAF-06-13784
2	Replacement	REMOVE JAF-119 & REPLACE SNUBBER WITH JAF-109	No	10/24/2006	06-050	JAF-06-16866
	Replacement	REMOVE JAF-103 & REPLACE SNUBBER WITH JAF-111	No	2/1/2007	06-051	JAF-06-16881
3	Replacement	REMOVE JAF-112 & REPLACE SNUBBER WITH JAF-102	No	10/25/2006	06-052	JAF-06-16865
2	Replacement	REMOVE JAF-105 & REPLACE SNUBBER WITH JAF-101	No	10/24/2006	06-053	JAF-06-16864
2	Replacement	REMOVE JAF-434 & REPLACE SNUBBER WITH JAF-435	No	10/24/2006	06-054	JAF-06-16880
2	Replacement	REMOVE JAF-319 & REPLACE SNUBBER WITH JAF-302	No	10/24/2006	06-055	JAF-06-16879
2	Replacement	REMOVE JAF-240 & REPLACE SNUBBER WITH JAF-280	No	10/24/2006	06-056	JAF-06-16870
2	Replacement	REMOVE JAF-239 & REPLACE SNUBBER WITH JAF-275	No	10/24/2006	06-057	JAF-06-16868
2	Replacement	REMOVE JAF-285 & REPLACE SNUBBER WITH JAF-202	No	10/24/2006	06-058	JAF-06-16867
3	Repair	Retube condenser as needed to repair leaks at tube / tube sheet interface. Condenser shell handhole welds and pipe support removal/replacement.	No	8/21/2006	06-059	JAF-06-17252
2	Replacement	REMOVE JAF-106 & REPLACE SNUBBER WITH JAF-104	No	6/6/2006	06-060	JF-030395400

Third Interval

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	Install pipe support modifications per ER JAF-05-25576, HPCI Sparger Project	No	11/22/2006	06-068	JAF-06-22466
1	Repair	SRV Pilot Body Repair - New welded seat - factory rebuild Target Rock. Pilot SN 1047 PO# 4500547212	No	11/16/2006	06-069	JAF-04-36131
3	Replacement	Replace RHRSW PUMP 10P-1C assembly	No	11/22/2006	06-070	JAF-06-22696
3	Contingency Repair	Rebuild RHRSW PUMP 10P-1C possible bolting replacement	No	10/25/2006	06-071	JAF-06-22467
2	Replacement	HPCI Sparger	No	11/22/2006	06-072	JAF-05-25935
2	Replacement	Decon connection added to 10-20-W20-2A	No	10/25/2006	06-073	JAF-06-18627
2	Replacement	Decon connection added to 10-20-W20-2B	No	10/24/2006	06-074	JAF-06-18628
3	Replacement	Replace Piping (66UC-22E)	No	11/22/2006	06-079	JAF-06-23928
2	Replacement	Remove snubber JAF-217 and replace with JAF-226	No	10/27/2006	06-080	JAF-06-25577
1	Replacement	Remove snubber JAF-850 and replace with refurbished /tested spare.	No	11/22/2006	06-081	JAF-06-27425
1	Replacement	REMOVE JAF-342 REPLACE WITH JAF-315	No	11/22/2006	06-082	JAF-06-27412
3	Replacement	Replace (1) bonnet stud on 15MOV-103	No	2/1/2007	06-083	JAF-05-15598
1	Replacement	Replace u-bolt on AZ-29-5	No	2/1/2007	06-084	JAF-06-27491
2	Replacement	11SV-39B	No	10/25/2006	06-086	JAF-04-35985
1	Replacement	Remove JAF-162 at 14-5A-HS-23 and install JAF-161	No	10/25/2006	06-087	JAF-06-27684
MC	Repair	16Torus shell to gusset weld	No	11/22/2006	06-089	JAF-06-28641
MC	Repair	16torus shell to gusset weld	No	1/16/2007	06-090	JAF-06-28820
	Replacement	Replace bolting on 13RCIC-22	No	11/22/2006	06-092	JAF-06-27500
	Replacement	Replace 23SV-66	No	11/22/2006	06-093	JAF-05-26058
3	Replacement	Replace Pipe Coupling (66UC-22F)	No	12/4/2006	06-094	JF-030155900
1	Replacement	Reactor Reassembly	No	1/16/2007	06-095	JAF-05-19869
3	Replacement	REPLACE UNIT COOLER 2" PIPING AND ASSOCIATED VALVES.	No	11/9/2004	03-00002-04	JF-020203300
3	Replacement	REPLACE PIPING SECTION DOWNSTREAM OF 67UC-16B.	No	4/21/2005	03-00002-26	JF-011123000
1	Repair	MSIV 29AOV-86D Weld Pad Installation (lost pkg)	No	11/10/2004	02-00002-63	JF-010822408