



**New York Power
Authority**

**INSERVICE INSPECTION SUMMARY REPORT
FOR THE
1995 REFUEL OUTAGE**

**JAMES A. FITZPATRICK NUCLEAR POWER PLANT
DOCKET NO. 50-333**

TABLE OF CONTENTS

TEXT

- I. INTRODUCTION
- II. FORM NIS-1, OWNER'S DATA REPORT for INSERVICE INSPECTION
- III. ISI EXAMINATION CHECKLIST
- IV. EXAMINATION RESULTS
 - Indications
 - Limited Examination Results
- V. CERTIFICATIONS/QUALIFICATIONS
 - Personnel
 - Equipment
 - Materials
- VI. PROCEDURES
- VII. IN-VESSEL INSERVICE INSPECTIONS
 - In-Vessel Visual Inspections
 - In-Vessel Ultrasonic Inspections
- VIII. REPAIR AND REPLACEMENTS
- IX. SECOND TEN-YEAR INTERVAL PRESSURE TEST
- X. FEEDWATER NOZZLE LEAKAGE MONITORING
SYSTEM ENGINEERING REPORT

ENCLOSURES

1. Form NIS-1, Owners Data Report for Inservice Inspection
2. ISI Examination Checklist
 - Raytheon ISI Checklist
 - NYPA ISI Checklist
3. Examination Results
 - Indications
 - Limited Examinations
4. In-Vessel Inservice Inspection
 - In-Vessel Visual Inspections
 - In-Vessel Ultrasonic Inspections

I. **INTRODUCTION**

This Summary Report details the Inservice Inspection Program conducted at the James A. FitzPatrick Nuclear Power Plant during the 1995 Refueling Outage. The Inservice Inspection Program requires performing examinations on Class 1, 2, 3 and Augmented components. The NDE inspections were performed by Raytheon Engineers and Constructors/EBASCO Division, General Electric, and New York Power Authority personnel.

This report is a summary of inspections performed during the 1995 Refuel Outage. The ISI inspections performed during the 1995 Refuel Outage were in accordance with the following governing documents: Technical Specifications, ASME Boiler and Pressure Vessel Code, Section XI, "Rules for Inservice Inspection Nuclear Power Plant Components," 1980 Edition up to and including Winter 1981 Addenda, approved NRC Relief Requests, and ISI Programmatic Commitments as approved by the NRC for the Second Ten-Year Interval. In addition, other regulatory documents were used where applicable to develop Augmented Inspection Programs to meet mandatory requirements. These documents are referenced specifically in the following text, i.e., NUREG-0313, Rev.2 and Generic Letter 88-01 were used for selection and performance of IGSCC examinations.

Included in this report is a listing of partial and/or limited examination coverages along with percentages complete for inspections conducted during the 1995 Refuel Outage.

The NDE methods utilized were visual (VT-1, VT-2, VT-3, VT-4 and enhanced Visual for Shroud Inspection), magnetic particle, liquid penetrant, and ultrasonic testing (manual and automated/GE SMART 2000 System) and radiography. These examinations were conducted using approved site/vendor procedures and personnel certified and qualified to an approved QA NDE Program.

II. **FORM NIS-1. OWNERS DATA REPORT for INSERVICE INSPECTION**

The NIS-1 Form as required by the governing code section will be supplemented with the ISI Examination Checklist, Examination Result Listing, and Limited Examination Listing for inspections conducted by Raytheon Engineers and Constructors\EBASCO Division, GE and NYPA personnel. These supplements are Enclosures 1 through 4.

III. ISI EXAMINATION CHECKLIST

The ISI Checklist was developed in accordance with the Second Ten-Year ISI Program Plan, Technical Specifications, ASME Code Section V and XI, NUREG-0313, Rev.2, Generic Letter 88-01 including supplements, Reg. Guide 1.150/ Appendix A, as modified by the AD Hoc Committee (Reactor Pressure Vessel Examinations) and NRC-approved Relief Requests as applicable to specific components and/or systems. The ISI Checklist encompassed all of the examination requirements of the above documents as well as delineating the following:

- Component/Weld Identification
- ASME Code Category
- ASME Code Item Number
- NUREG-0313 Category
- Isometric Drawing Number
- NDE Method Utilized for Examination
- NDE Procedure Number Utilized
- UT Calibration Block (if applicable)
- Examination Completion Date
- NDE Report Number
- Additional Remarks (if applicable)

The ISI Examination Checklist was used for both scheduling and tracking purposes. In this way, control was maintained over ISI activities.

IV. EXAMINATION RESULTS

The results of examinations documented in this section of the report are for inspections performed by Raytheon and are included in the Examination Result Listing. Examinations and results performed by NYPA QC personnel are referenced in the Miscellaneous Examinations section of the ISI Checklist, and examinations performed by GE personnel referenced in the In-vessel Inservice Inspection section of this report.

■ Indications

Components and/or welds found to have recordable/rejectable indications were promptly called to the attention of the responsible engineer. Disposition of components and/or welds with unacceptable indications were addressed by repair, bounding evaluation, and/or reinspection, to ensure any and all unacceptable results or conditions meet plant safety and continued operational criteria.

By using the Examination Result Listing, items with indications can easily be accessed by system number and item number. A variety of acronyms were

used during the course of preparing examination reports and these are also listed in this section.

■ **Limited Examinations**

Components that have a limited examination can be accessed through the list that details Code Required Volume (CRV). Conditions that would result in a limited exam are component configuration, various types of permanent obstructions, and limited access. When a limitation is identified that precludes 100% coverage, calculations were performed to determine the percentage actually examined. A listing of the 1995 Refuel Outage partial exams and their percentages complete is a part of the Limited Examination Listing.

Application for relief of components that do not meet the criteria in Code Case N-460, will be submitted in accordance with 10CFR50.55a(a)(3)(ii) under separate cover.

V. **CERTIFICATION/QUALIFICATIONS**

■ **Personnel**

All personnel performing NDE examinations were certified and qualified in accordance with their company's approved QA Manual and Certification Program which was reviewed and accepted for use. Additionally, all NYPA personnel were certified in accordance with the Authority's Quality Assurance NDE Program. All personnel performing IGSCC-related examinations (i.e.: detection, sizing, and overlay repairs) have been qualified through the EPRI qualification program for IGSCC. Certifications and Qualifications are available for review upon request.

■ **Equipment**

All certifications for NDE equipment utilized in the performance of an ISI examination were reviewed and approved prior to its use. Certifications for equipment are available for review upon request. Equipment covered under the statement are:

- Temperature Gauges
- Magnetic Particle Equipment (Yokes, Probes)
- Ultrasonic Instruments
- Ultrasonic Testing Systems
- Ultrasonic Transducers
- Ultrasonic Calibration Blocks

Beam Spread plots for transducers used for Reactor Pressure Vessel examinations and for those employed in conjunction with Reg. Guide 1.150 Rev.1 (RF Waveforms are available for review).

■ **Materials**

NDE materials utilized during ISI activities were approved for use prior to the start of the refuel outage. The material certifications covered by this statement are:

- Magnetic Particle Powder
- Liquid Penetrant Materials
- Ultrasonic Couplant

VI. PROCEDURES

Procedures used for performing nondestructive examinations of welds and components were prepared in accordance with ASME Sections V and XI, 1980 Edition up to and including Winter 1981 Addenda. When the above referencing codes did not apply, acceptable NRC and industry standards were used (i.e., IGSCC Exams, RPV Shroud Exams).

VII. IN-VESSEL INSERVICE INSPECTION

In-Vessel Visual Inspections

In-Vessel Visual and ultrasonic examinations were conducted inside the RPV by G.E. utilizing personnel not only certified and qualified to Section V and XI, but who also meet the guidelines as outlined in BWRVIP, "Standards For Visual Inspection of Core Shroud." Personnel performing ultrasonic testing on the RPV Shroud Assembly Welds were qualified in IGSCC Detection and Sizing through the EPRI NDE Center's qualification program. Enclosure 4 provides a detailed list of all in-vessel visual inspections performed.

The accessible portions of the four FW (feedwater) nozzles and spargers were examined (VT) in accordance with a July 19, 1994 commitment to the NRC, with the exception of two portions of the feedwater spargers. The Authority will submit a follow-up letter by July 31, 1995, explaining why partial examinations were performed on two of the spargers, along with a schedule to complete the inspections. The commitment was made in regards to the elimination of the liquid penetrant examination (PT) of the feedwater nozzles specified in NUREG-0619 for the ninth refueling outage (1995 refuel outage), and represents an acceleration in the examination schedule beyond that required by NUREG-0619.

The intent was to provide another (in addition to UT examinations, and feedwater nozzle leakage monitoring system) verification of feedwater nozzle integrity. The examination performed of the inner blend radii of the feedwater nozzles satisfied this objective.

The end brackets & welds, support bracket tack welds, tee box and welds, and some of the sparger nozzle welds, were examined on two of the feedwater spargers (45° and 135° azimuths). The other two feedwater spargers (225° and 315° azimuths) were completely examined. The feedwater nozzle/spargers were completely examined during the 1987 and 1990 refuel outage. Partial examinations were performed during the 1992 and 1995 refuel outages. Consequently, these examinations are being performed more frequently than required by NUREG-0619 and ASME Section XI.

VIII. SECTION XI REPAIR AND REPLACEMENTS

Section XI repairs and replacements were conducted in accordance with James A. FitzPatrick's, Repair and Replacement Program, Administrative Procedure (AP-05.14). All activities were performed in accordance with this program and are controlled, tracked and retrieved through the plant's work controlled system (ROME System under Work Request 94-05431-00). There were a total of twenty-four (24) Section XI repairs and/or replacements conducted during the 1995 Refuel Outage, all of which were reviewed and signed off by the designated ISI Engineer and Authorized Nuclear Inservice Inspector (ANII).

IX. PRESSURE TESTING

ISI Pressure Testing is conducted in accordance with Plant Procedure PSO-31B and the ISI Pressure Test Program at James A. FitzPatrick as defined in Engineering Report JAF-RPT-MISC-00658, Rev. 2. Scheduling and actual testing is implemented through the Operations Department's, Surveillance Test Schedule and Surveillance Procedures (ST).

ISI Pressure Testing required for completion of the Second Ten-Year Interval is tracked through the JAF ASME XI Pressure Test Performance Matrix which is maintained by the Technical Services Department. The Authority has adopted Code Case N-498, as approved by NRC Reg. Guide 1.147, at JAF in lieu of hydrostatic testing for Class 1 and 2 systems. There is also an NRC-approved Relief Request for the implementation of Code Case N-498-1 for Class 3 systems. Testing required based on the NRC-approved Relief Request for Code Case 498-1 and to close-out the Second Ten-Year Interval, are scheduled to be performed before the end of 10 year interval (September 1996).

Included in the above controls of the Pressure Test Program is the Action Commitment Tracking System (ACTS). ACTS Items for those commitments are detailed in the approved NRC Relief Request for Code Case 498-1. These ACTS Items are:

- ACTS Item 14161
- ACTS Item 14764

X. **FEEDWATER NOZZLE LEAKAGE MONITORING SYSTEM ENGINEERING REPORT**

The Authority, per NYPA letter, JPN-94-031, dated July 19, 1994 and preliminary approval by the NRC letter, TAC NO. (M89950), dated October 21, 1994, is submitting the operating status of the Leakage Monitoring System (LMS) and the measured leakage for the Feedwater Nozzles at James A. FitzPatrick. The correspondence above is in reference to the Relief Request application from NUREG-0619's requirement to remove the feedwater spargers and perform a liquid penetrant test on the nozzle bore's inner surface.

Leakage Monitoring System

NUREG-0619, Rev. 2, para. 4.3.2.4 recognizes elimination of the PT examination based upon the development and use of on-line leakage monitoring systems. A Leakage Monitoring System (LMS), that monitors for feedwater leakage past the sparger thermal sleeve seals, was installed on all four nozzles at FitzPatrick in the spring of 1992. Maintaining bypass leakage levels less than about 0.5 gpm assures that fatigue usage is minimized. Measured leakage rates in excess of 0.5 gpm will be evaluated to determine its impact on the fatigue usage factors.

The LMS includes three local temperature sensors (RTDs) mounted on each of the four feedwater nozzles, and a data collection recorder located outside the drywell. The RTDs are strapped to the nozzle at a location several inches downstream of the secondary thermal sleeve seal. For a nozzle with non-leaking thermal sleeve seals, the RTD located at the top of the nozzle (0° azimuth) is expected to track the reactor temperature closely. The two RTDs located near the bottom of the nozzle (180°, 210° azimuths) are expected to read slightly lower, due to the thermal stratification in the annulus between the thermal sleeve and the feedwater nozzle. Leakage is reflected by decreased RTD readings on the nozzle, with the maximum effect on the bottom RTDs.

In order to calibrate the leakage monitoring system for the actual conditions in the annulus between the thermal sleeve and the feedwater nozzle, a finite element analysis of the nozzle configuration was performed. The analysis used the FitzPatrick feedwater nozzle and safe-end geometry. In the annulus region, the heat transfer coefficient was varied to reflect varying leakage rates. In this manner, RTD indications

Attachment II to JPN-95-030

are correlated to thermal and leakage conditions in the annular region.

Currently, the RTD data from the LMS confirms acceptable bypass leakage levels for all four feedwater nozzles. The RTD data from the A, B, and D nozzles confirms the absence of leakage. The data from the C nozzle corresponds to a leakage rate which varied from 0.6 to 1.0 gpm. The temperatures taken from the RTD output and the plant computer were normalized and then graphed to show normalized temperature over time. This type of graph will show any indications of bypass leakage. By taking the average normalized temperature and comparing it on Figures 4-1 to 4-5 of the Structural Integrity Report 94-021, the bypass leakage value can be determined. NUREG-0619, Appendix C, endorses the use of General Electric Company report NEDE-21821-02 in support of activities related to the issue of feedwater nozzle cracking. Based on NEDE-21821-02, figure 4-131, a seal bypass leakage of 1.0 gpm or less produces a fatigue usage factor of approximately 0.26 over the remaining life of the plant. This leakage produces a fatigue usage factor of approximately 0.013 per year. These results are consistent with the previous data results from the last evaluation period.

Attachment II to JPN-95-030

NEW YORK POWER AUTHORITY

JAMES A. FITZPATRICK NUCLEAR POWER PLANT
DOCKET NO. 50-33

ENCLOSURE 1

FORM NIS-1 OWNERS DATA REPORT
FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

(Name and Address of Owner)

(Name and Address of Plant)

3. Plant Unit #1

5. Commercial Service Date 7/28/75

7. Components Inspected See Enclosures for Specific Components Inspected.

[illegible]

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (back)

8. Examination Dates 12/1/94 to 4/31/95 9. Inspection Interval from 7/85 to 9/96

10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. Status of current interval and work are included in

Summary Report

11. Abstract of Conditions Noted See Summary

12. Abstract of Corrective Measures Recommended and Taken (See Summary)

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Date 6/14 19 95 Signed Robert P. Perry ^{Director} Engineering Programs
Owner

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of NY and employed by Arkwright** Norwood, MA have inspected the components described in this Owners' Data Report during the period 12-1-94 to 4-31-95 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners' Data 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.

Date June 15 19 95

**Factory Mutual System

[Signature]
Inspector's Signature

Commission NY 1522

National Board, State, Province and No.

NEW YORK POWER AUTHORITY

JAMES A. FITZPATRICK NUCLEAR POWER PLANT
DOCKET NO. 50-333

ENCLOSURE 2

1995 REFUEL OUTAGE

INSERVICE EXAMINATION CHECKLIST

- Raytheon ISI Checklist
- NYPA ISI Checklist

RAYTHEON ISI CHECKLIST

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 5/3/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
Reactor Pressure Vessel

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	3	4					
VC-1-2	B-A	B1.11	N/A	MSK-3036	W 0°						UT-10	O4O	01/13/95	JAF-UT-074	WR #94-07274-06
					A 45°S								01/13/95	JAF-UT-074A	All accessible weld volume at Door #W-7.
					C 45°S								01/13/95	JAF-UT-074A	
					A 60°S								01/13/95	JAF-UT-074B	
					C 60°S								01/13/95	JAF-UT-074B	
VC-2-3	B-A	B1.11	N/A	MSK-3036	W 0°						UT-10	O4O	01/16/95	JAF-UT-090	WR #94-07274-07
					A 45°S								01/16/95	JAF-UT-090A	All accessible weld volume at Door #W-1.
					C 45°S								01/16/95	JAF-UT-090A	
					A 60°S								01/16/95	JAF-UT-090B	
					C 60°S								01/16/95	JAF-UT-090B	

NOTES:

REVIEWED BY: Michael Robbins

Date: 5/3/95

REVIEWED BY: Michael Collins

Date: 5/3/95

Project:

J. A. FITZPATRICK

1995 REFUEL OUTAGE

SYSTEM:

Reactor Pressure Vessel

[illegible]

NOTES:

REVIEWED BY: Michael Kilduff

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 5/3/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
RPV Pressure Vessel (Bottom Head) & (Top Head)

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	3	4					
V V-BH-1A	B-A	B1.22	N/A	MSK-3036	W 0°						UT-10	O39	01/23/95	JAF-UT-098	WR #94-07274-11 JAF-ISI-INR-047
					A 45°S								01/23/95	JAF-UT-098B	All accessible weld volume.
					C45°S								01/23/95	JAF-UT-098B	
					A 60°S								01/23/95	JAF-UT-098C	
					C 60°S								01/23/95	JAF-UT-098C	
V V-BH-1B	B-A	B1.22	N/A	MSK-3036	W 0°						UT-10	O39	01/23/95	JAF-UT-098A	WR #94-07274-11 JAF-ISI-INR-048
					A 45°S								01/23/95	JAF-UT-098B	All accessible weld volume.
					C45°S								01/23/95	JAF-UT-098B	
					A 60°S								01/23/95	JAF-UT-098C	
					C 60°S								01/23/95	JAF-UT-098C	
V C-BH-1-2	B-A	B1.21	N/A	MSK-3036	W 0°						UT-10	O39	01/23/95 01/24/95	JAF-UT-097 JAF-UT-097A	WR #94-07274-11 JAF-ISI-INR-046
					A 45°S								01/23/95 01/24/95	JAF-UT-097B JAF-UT-097C	All accessible weld volume.
					C45°S								01/23/95 01/24/95	JAF-UT-097B JAF-UT-097C	
					A 60°S								01/23/95 01/24/95	JAF-UT-097D JAF-UT-097E	
					C 60°S								01/23/95 01/24/95	JAF-UT-097D JAF-UT-097E	

NOTES:

REVIEWED BY: *Michael Robinson*

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 5/3/95

Project:
J. A. FITZPATRICK
1995 REFUEL OUTAGE

SYSTEM:
RPV Pressure Vessel (Bottom Head) & (Top Head)

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	3	4					
VC-TH-1-2	B-A	B121	N/A	MSK-3036	A 45°S						UT-10	O38	12/09/94 12/15/94	JAF-UT-012 JAF-UT-012B	WR #94-07510 JAF-ISI-INR-016
					C 45°S								12/09/94 12/15/94	JAF-UT-012 JAF-UT-012B	Stamped location of indication only.
					A 60°S								12/09/94 12/15/94	JAF-UT-012A JAF-UT-012C	
					C 60°S								12/09/94 12/15/94	JAF-UT-012A JAF-UT-012C	
DHDB-1 @ 41° *	B-N-2	B13.21	N/A	104R943B					X		VT-3		12/12/94	JAF-VT-013	WR #94-10094
								X			VT-1		12/12/94	JAF-VT-013A	
DHDB-2 @ 138° *	B-N-2	B13.21	N/A	104R943B					X		VT-3		12/12/94	JAF-VT-014	WR #94-10094
								X			VT-1		12/12/94	JAF-VT-014A	
DHDB-3 @ 221° *	B-N-2	B13.21	N/A	104R943B					X		VT-3		12/12/94	JAF-VT-015	WR #94-10094
								X			VT-1		12/12/94	JAF-VT-015A	
DHDB-4 @ 318° *	B-N-2	B13.21	N/A	104R943B					X		VT-3		12/12/94	JAF-VT-016	WR #94-10094
								X			VT-1		12/12/94	JAF-VT-016A	

NOTES: * VT-1 performed per Client's request.

REVIEWED BY: Michael Robbins

Raytheon Engineers & Constructors ISL Checklist

Date: 5/3/95

[illegible]

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 4/3/95

Project: J. A. FITZPATRICK
1995 REFUEL OUTAGE

SYSTEM: Reactor Pressure Vessel Nozzles

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	3	4					
N-1B	B-D	B3.90		MSK-3038	W 0°						UT-10	040	01/09/95	JAF-UT-064	All accessible weld volume WR # 94-07274-04
					A 45°S								01/09/95	JAF-UT-064A	JAF4SI4NR-031
					C 45°S								01/09/95	JAF-UT-064A	
					A 60°S								01/09/95	JAF-UT-064B	
					C 60°S								01/09/95	JAF-UT-064B	
													01/20/95	JAF-UT-064C	Coverage calc for UT
N-1B4R	B-D	B3.100		MSK-3038	45°S						UT-14	040	01/10/95	JAF-UT-065	All accessible nozzle radius WR # 94-07274-04
N-2B	B-D	B3.90		MSK-3038	W 0°						UT-10	040	01/09/95	JAF-UT-070A	All accessible weld volume WR # 94-07274-04
					A 45°S								01/07/95	JAF-UT-070B	
					C 45°S								01/07/95	JAF-UT-070B	
					A 60°S								01/07/95	JAF-UT-070C	JAF4SI4NR-033
					C 60°S								01/07/95	JAF-UT-070C	
													01/20/95	JAF-UT-070D	Coverage Calc for UT
N-2B4R	B-D	B3.100		MSK-3038	26°S						UT-14	040	01/07/95	JAF-UT-070	All accessible nozzle radius WR # 94-07274-04

NOTES:

REVIEWED BY: M.O. [Signature]

Date: 4/3/95

Reactor Pressure Vessel Nozzles

NOTES:

Page 8 of 68

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 4/3/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM: **Reactor Pressure Vessel Nozzles**

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD					NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS	
					UT	SURF.		VISUAL							
						PT	MT	1	3						4
N-2H	B-D	B3 90		MSK-3036	W 0°					UT-10	040	01/09/95	JAF-UT-072A	All accessible weld volume WR # 94-07274-04	
					A 45°S							01/05/95	JAF-UT-072B		
					C 45°S							01/05/95	JAF-UT-072B		
					A 60°S							01/09/95	JAF-UT-072C	JAF-4SI-4NR-035	
					C 60°S							01/09/95	JAF-UT-072C		
												01/20/95	JAF-UT-072D	Coverage Calc for UT	
N-2H4R	B-D	B3 100		MSK-3036	26°S					UT-14	040	01/05/95	JAF-UT-072	All accessible nozzle radius WR # 94-07274-04	
N-2K	B-D	B3 90		MSK-3036	W 0°					UT-10	040	01/09/95	JAF-UT-073A	WR # 94-07274-04	
					A 45°S							01/09/95	JAF-UT-073B		
					C 45°S							01/09/95	JAF-UT-073B		
					A 60°S							01/09/95	JAF-UT-073C	JAF-4SI-4NR-036	
					C 60°S							01/09/95	JAF-UT-073C		
												01/20/95	JAF-UT-073D	Coverage Calc for UT	
N-2K4R	B-D	B3 100		MSK-3036	26°S					UT-14	040	01/05/95	JAF-UT-073	WR # 94-07274-04	

NOTES:

REVIEWED BY: M. O. [Signature]

Page 9 of 68

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 4/3/95

Project: J. A. FITZPATRICK
1995 REFUEL OUTAGE

SYSTEM: Reactor Pressure Vessel Nozzles

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	3	4					
N-3A	B-D	B3 90		MSK-3036	W 0"						UT-10	G40	12/20/94	JAF-UT-014	WR # 94-07274-01
					A 45°S								12/21/94	JAF-UT-014A	
					C 45°S								12/21/94	JAF-UT-014A	
					A 60°S								12/21/94	JAF-UT-014B	
					C 60°S								12/21/94	JAF-UT-014B	
N-3A-IR	B-D	B3 100		MSK-3036	31" S						UT-14	G40	12/20/94	JAF-UT-015	WR # 94-07274-01
N-3B	B-D	B3 90		MSK-3036	W 0"						UT-10	G40	12/20/94	JAF-UT-014	All accessible weld volume WR # 94-07274-01
					A 45°S								12/21/94	JAF-UT-014A	
					C 45°S								12/21/94	JAF-UT-014A	
					A 60°S								12/21/94	JAF-UT-014B	
					C 60°S								12/21/94	JAF-UT-014B	
N-3B-IR	B-D	B3 100		MSK-3036	31" S						UT-14	G40	12/20/94	JAF-UT-015	All accessible nozzle radius WR # 94-07274-01

NOTES:

REVIEWED BY:

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 4/3/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM: **Reactor Pressure Vessel Nozzles**

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	3	4					
U-4A	B-D	B3.90		MSK-3036	W 0"						UT-10	040	01/13/95	JAF-UT-075	All accessible weld volume WR # 94-07274-02
					A 45°S								01/13/95	JAF-UT-075A	Examine areas inaccessible to GE
					C 45°S								01/13/95	JAF-UT-075A	Examine areas inaccessible to GE
					A 60°S								01/13/95	JAF-UT-075B	Examine areas inaccessible to GE JAF4SI4NR-037
					C 60°S								01/13/95	JAF-UT-075B	Examine areas inaccessible to GE
													01/23/95	JAF-UT-075C	Coverage Calc for UT
U-4B	B-D	B3.90			W 0"						UT-10	040	01/13/95	JAF-UT-076	All accessible weld volume WR # 94-07274-02
					A 45°S								01/13/95	JAF-UT-076A	Examine areas inaccessible to GE
					C 45°S								01/13/95	JAF-UT-076A	Examine areas inaccessible to GE
					A 60°S								01/13/95	JAF-UT-076B	Examine areas inaccessible to GE JAF4SI4NR-038
					C 60°S								01/13/95	JAF-UT-076B	Examine areas inaccessible to GE
													01/23/95	JAF-UT-076C	Coverage Calc for UT

NOTES:

REVIEWED BY: M.O. [Signature]

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 4/3/95

Project: **J. A. FITZPATRICK**

SYSTEM: **Reactor Pressure Vessel Nozzles**

1995 REFUEL OUTAGE

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	3	4					
N-4C	B-D	B390		MSK-3036	W 0"						UT-10	040	01/13/95	JAF-UT-077	All accessible weld volume WR # 94-07274-02
					A 45°S								01/13/95	JAF-UT-077A	Examine areas inaccessible to GE
					C 45°S								01/13/95	JAF-UT-077A	Examine areas inaccessible to GE
					A 60°S								01/13/95	JAF-UT-077B	Examine areas inaccessible to GE JAF4SI-4NR-039
					C 60°S								01/13/95	JAF-UT-077B	Examine areas inaccessible to GE
													01/23/95	JAF-UT-077C	Coverage Calc for UT
N-4D	B-D	B390		MSK-3036	W 0"						UT-10	040	01/13/95	JAF-UT-078	All accessible nozzle radius WR # 94-07274-02
					A 45°S								01/13/95	JAF-UT-078A	Examine areas inaccessible to GE
					C 45°S								01/13/95	JAF-UT-078A	Examine areas inaccessible to GE
					A 60°S								01/13/95	JAF-UT-078B	Examine areas inaccessible to GE JAF4SI-4NR-040
					C 60°S								01/13/95	JAF-UT-078B	Examine areas inaccessible to GE
													01/23/95	JAF-UT-078C	Coverage Calc for UT

NOTES:

REVIEWED BY: M.O. [Signature]

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 4/3/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM: **Reactor Pressure Vessel Nozzles**

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	3	4					
N-5A	B-D	B3.90		MSK-3036	W 0°						UT-10	040	01/13/95	JAF-UT-079A	All accessible weld volume WR # 94-07274-03
					A 45°S								01/13/95	JAF-UT-079B	
					C 45°S								01/13/95	JAF-UT-079B	
					A 60°S								01/13/95	JAF-UT-079C	JAF-ISI-4NR-041
					C 60°S								01/13/95	JAF-UT-079C	
													01/23/95	JAF-UT-079D	Coverage Calc for UT
N-5A-1R	B-D	B3.100		MSK-3036	26°S						UT-14	040	01/13/95	JAF-UT-079	All accessible nozzle radius WR # 94-07274-03
N-8B	B-D	B3.90		MSK-3036	W 0°						UT-10	040	01/19/95	JAF-UT-096A	All accessible weld volume WR # 94-07274-05
					A 45°S								01/19/95	JAF-UT-096B	
					C 45°S								01/19/95	JAF-UT-096B	
					A 60°S								01/19/95	JAF-UT-096C	
					C 60°S								01/19/95	JAF-UT-096C	
													01/23/95	JAF-UT-096D	Coverage Calc for UT
N-8B-1R	B-D	B3.100		MSK-3036	60°S						UT-17	040	01/19/95	JAF-UT-096	All accessible nozzle radius WR # 94-07274-05

NOTES:

REVIEWED BY: M.O. [Signature]

Date: 4/3/95

1995 REFUEL OUTAGE

RPV Partial Pen Welds

NOTES:

Page 14 of 68

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 4/3/95

Project: J. A. FITZPATRICK 1995 REFUEL OUTAGE					SYSTEM: RPV Partial Pen Welds											
WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS	
					UT	SURF.		VISUAL								
						PT	MT	1	3	4						
Augmented Exams	B-E	B4.13														Per GE SII #571
N-11A-SE	B-E	B4.13		MSK-3036		X					PT-1		01/13/95	JAF-PT-010		All accessible weld volume & safe end base material WR # 94-07274-10
								X			VT-1		01/12/95 01/13/95	JAF-VT-030 JAF-VT-030A *		JAF-4SI-4NR-021 NYPA will perform VT-2
					0"						UT-9		01/13/95	JAF-UT-059		
N-11B-SE	B-E	B4.13		MSK-3036		X					PT-1		01/11/95	JAF-PT-010A		All accessible weld volume & safe end base material WR # 94-07274-10
								X			VT-1		01/11/95	JAF-VT-031		NYPA will perform VT-2
N-12A-SE	B-E	B4.13		MSK-3036		X					PT-1		01/11/95	JAF-PT-010A		All accessible weld volume & safe end base material WR # 94-07274-10
								X			VT-1		01/11/95	JAF-VT-032		NYPA will perform VT-2
N-12B-SE	B-E	B4.13		MSK-3036		X					PT-1		01/11/95	JAF-PT-010A		All accessible weld volume & safe end base material WR # 94-07274-10
								X			VT-1		01/11/95	JAF-VT-033		NYPA will perform VT-2
N-16A-SE	B-E	B4.13		MSK-3036		X					PT-1		01/17/95	JAF-PT-012		All accessible weld volume & safe end base material WR # 94-07274-10
								X			VT-1		01/18/95	JAF-VT-037		NYPA will perform VT-2
N-16B-SE	B-E	B4.13		MSK-3036		X					PT-1		01/17/95	JAF-PT-012		All accessible weld volume & safe end base material WR # 94-07274-10
								X			VT-1		01/18/95	JAF-VT-037		NYPA will perform VT-2

NOTES: * = Re-examination after corrective action.

REVIEWED BY: M. O. [Signature]

Date: 4/3/95

Project:

J. A. FITZPATRICK

1995 REFUEL OUTAGE

SYSTEM:

RPV - Pressure Retaining Bolting > 2" Dia.

[illegible]

NOTES:

REVIEWED BY:

Page 16 of 68

Date: 4/3/95

J. A. FITZPATRICK

SYSTEM:

J. A. FITZPATRICK

1995 REFUEL OUTAGE

RPV Pressure Retaining Bolting > 2" Dia.

[illegible]

NOTES:

REVIEWED BY:

Page 17 of 68

Date: 4/3/95

SYSTEM:

J. A. FITZPATRICK

RPV - Pressure Retaining Bolting 2" & Less in Dia.

1995 REFUEL OUTAGE

[illegible]

NOTES:

REVIEWED BY:

Page 81 of 89

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 5/3/95

Project: **J. A. FITZPATRICK
1995 REFUEL OUTAGE**

SYSTEM: **RPV Integral Attachments**

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIERATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	3	4					
Stabilizer - 1	B-H	B8.10		MSK-3036				X			VT-1		01/21/95	JAF-VT-039	
							X				MT-1		01/21/95	JAF-MT-038	All accessible areas WR # 94-07274-14 JAF-ISI-INR-044
Stabilizer - 2	B-H	B8.10		MSK-3036				X			VT-1		01/21/95	JAF-VT-040	
							X				MT-1		01/21/95	JAF-MT-038	All accessible areas WR # 94-07274-14 JAF-ISI-INR-044
Stabilizer - 3	B-H	B8.10		MSK-3036			X				MT-1		01/12/95	JAF-MT-038	All accessible areas WR # 94-07274-14 JAF-ISI-INR-044
							X				VT-1		01/21/95	JAF-VT-041	
Stabilizer - 4	B-H	B8.10		MSK-3036			X				MT-1		01/21/95	JAF-MT-038	All accessible areas WR # 94-07274-14 JAF-ISI-INR-044
							X				VT-1		01/21/95	JAF-VT-042	
VC-SKC	B-H	B8.10		MSK-3036			X				VT-1		01/21/95	JAF-VT-038	This exam shall be performed on the inside surface which is inaccessible for surface exam WR #94-07274
Stabilizer - 3A	N/A	N/A		MSK-3036			X				MT-1		01/12/95	JAF-MT-030A	Non-ISI Structural Steel
Stabilizer - 3B	N/A	N/A		MSK-3036			X				MT-1		01/12/95	JAF-MT-030	Non-ISI Structural Steel JAF-ISI-INR-022
Stabilizer- 4A & 4B	N/A	N/A		MSK-3036			X				MT-1		01/12/95	JAF-MT-031	Non-ISI Structural Steel

NOTES:

REVIEWED BY: Michael Robbins

Date: 4/3/95

Page 20 of 68

REVIEWED BY:

Date: 4/3/95

SYSTEM: Recirc. System Loop A IGSCC

1995 REFUEL OUTAGE

[illegible]

NOTES:

REVIEWED BY:

4/3/95

Page 22 of 68

Date: 4/3/95

1995 REFUEL OUTAGE

Recirc. System Loop A IGSCC

NOTES:

M.O. ~~_____~~

ISI Checklist

4/3/95

NOTES:

Page 24 of 68

Date: 4/3/95

Recirc. System Loop A IGSCC

NOTES:

Page 25 of 68

Raytheon Engineers & Constructors

ISI Checklist

Date: 4/3/95

Project:

J. A. FITZPATRICK

1995 REFUEL OUTAGE

SYSTEM:

Recirc. System Loop A IGSCC

[illegible]

NOTES:

REVIEWED BY:

Page 26 of 68

Raytheon Engineers & Constructors ISI Checklist

Date: 4/3/95

Project: J. A. FITZPATRICK		SYSTEM: Rectrc. System Loop A IGSCC													
1995 REFUEL OUTAGE		NDE METHOD													
WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	UT	SURF.				NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS	
						PT	MT	1	3						4
22-02-2-22	B-J	89 11	E	MSK-3001	A 80°L						UT-6	047	01/10/95	JAF-JT-050	WR # 94-07088 Overlay
26-02-2-34	B-J	89 11	C-2	MSK-3001	C 80°L						PT-1		01/10/95	JAF-JT-050	
					A 45°S	X					UT-4	010	01/14/95	JAF-PT-011	WR # 94-07087
					C 45°S								01/16/95	JAF-JT-085A	
					A 80°S						PT-1		01/16/95	JAF-JT-085	
28-02-2-34-LS1	B-J	89 12	A-1	MSK-3001		X					PT-1		01/14/95	JAF-PT-011	WR # 94-07087
					A 45°S						UT-4	010	01/16/95	JAF-JT-085C	
					C 45°S								01/16/95	JAF-JT-085D	
28-02-2-34-LS2	B-J	89 12	A-1	MSK-3001		X					PT-1		01/14/95	JAF-PT-011	WR # 94-07087
					A 45°S						UT-4	010	01/16/95	JAF-JT-085E	
					C 45°S								01/16/95	JAF-JT-085F	

NOTES:

Date: 4/3/95

REVIEWED BY: M.O. Page 28 of 68

Date: 4/3/95

Project:

J. A. FITZPATRICK

1995 REFUEL OUTAGE

SYSTEM:

Recirc. System Loop A IGSCC

[illegible]

NOTES:

REVIEWED BY:

Page 29 of 68

Date: 4/3/95

1995 REFUEL OUTAGE

Recirc. System Loop A IGSCC

[illegible]

REVIEWED BY:

Date: 4/3/95

SYSTEM: Recirc. System Loop B IGSCC

[illegible]

NOTES:

REVIEWED BY:

Page 31 of 68

Date: 4/3/95

Project: J. A. FITZPATRICK
1995 REFUEL OUTAGE

SYSTEM: Recirc. System Loop B IGSCC

[illegible]

NOTES:

REVIEWED BY:

Page 32 of 68

Date: 4/3/95

Project:

J. A. FITZPATRICK

1995 REFUEL OUTAGE

SYSTEM:

Recirc. System Loop B IGSCC

[illegible]

NOTES:

REVIEWED BY:

Page 33 of 68

Date: 4/3/95

1995 REFUEL OUTAGE

[illegible]

REVIEWED BY: 110 Page 34 of 68

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 5/3/95

Project: J. A. FITZPATRICK 1995 REFUEL OUTAGE					SYSTEM: Recirc. System Loop B IGSCC										
WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	3	4					
22-02-2-86	B-J	B9.11	C-2	MSK-3002		X					PT-1		01/12/95	JAF-PT-008A	WR # 94-07111
					A 45°S						UT-4	OOB	01/13/95	JAF-UT-057A	
					C 45°S								01/13/95	JAF-UT-057	
					A 60°S								01/13/95	JAF-UT-057B	JAF-4SI-1NR-026
22-02-2-86-LS1	B-J	B9.12	A-1	MSK-3002		X					PT-1		01/12/95	JAF-PT-008	WR # 94-07111 JAF-4SI-1NR-023
					A 45°S						UT-4	OOB	01/13/95	JAF-UT-057C	
					C 45°S								01/13/95	JAF-UT-057D	
22-02-2-87	B-J	B9.11	C-2	MSK-3002		X					PT-1		01/12/95	JAF-PT-008A	WR # 94-07111
					A 45°S						UT-4	OOB	01/13/95	JAF-UT-058A	
					C 45°S								01/13/95	JAF-UT-058	
					A 60°S								01/13/95	JAF-UT-058B	JAF-4SI-1NR-027
22-02-2-87-LS1	B-J	B9.12	A-1	MSK-3002		X					PT-1		01/12/95	JAF-PT-008A	WR # 94-07111
					A 45°S						UT-4	OOB	01/13/95	JAF-UT-058C	
					C 45°S								01/13/95	JAF-UT-058D	

NOTES:

REVIEWED BY: Michael Robbins

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 4/3/95


Project:
J. A. FITZPATRICK
1995 REFUEL OUTAGE

SYSTEM:
Recirc. System Loop B IGSCC

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	3	4					
28-02-2-111	B-J	B9 11	C-2	MSK-3002		X					PT-1		01/12/95	JAF-PT-009	WR # 94-07091
					A 45°S						UT-4	010	01/12/95	JAF-UT-060	
					C 45°S								01/12/95	JAF-UT-060	
28-02-2-111-LS1	B-J	B9 12	A-1	MSK-3002		X					PT-1		01/12/95	JAF-PT-009	WR # 94-07091
					A 45°S						UT-4	010	01/12/95	JAF-UT-060A	
					C 45°S								01/12/95	JAF-UT-060A	
28-02-2-111-LS2	B-J	B9 12	A-1	MSK-3002		X					PT-1		01/12/95	JAF-PT-009	WR # 94-07091
					A 45°S						UT-4	010	01/12/95	JAF-UT-060B	
					C 45°S								01/12/95	JAF-UT-060B	
28-02-2-111-LS3	B-J	B9 12	A-1	MSK-3002		X					PT-1		01/12/95	JAF-PT-009	WR # 94-07091
					A 45°S						UT-4	010	01/12/95	JAF-UT-060C	
					C 45°S								01/12/95	JAF-UT-060C	
28-02-2-112	B-J	B9 11	E*	MSK-3002	A 45°S						UT-4	010	01/12/95	JAF-UT-062	WR # 94-07091
					C 45°S								01/12/95	JAF-UT-062	
					A 60°S								01/12/95	JAF-UT-062A	JAF4SI-INR-026

NOTES:

REVIEWED BY:



Page 36 of 68

Date: 5/3/95

1995 REFUEL OUTAGE

Recirc. System Loop B IGSCC

NOTES:

REVIEWED BY: Michael Robbins

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 4/3/95

Project: J. A. FITZPATRICK 1995 REFUEL OUTAGE					SYSTEM: Recirc. System Loop B IGSCC										
WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	3	4					
28-02-2-113	B-J	B9 11	E	MSK-3002	A 60°L						UT-6	047	01/13/95	JAF-UT-051	WR # 94-07091 Overlay
					C 60°L								01/13/95	JAF-UT-051	
28-02-2-115	B-J	B9 11	C-2	MSK-3002		X					PT-1		01/12/95	JAF-PT-009	WR # 94-07091
					A 45°S						UT-4	010	01/12/95	JAF-UT-061	
					C 45°S								01/12/95	JAF-UT-061	
28-02-2-115-LS1	B-J	B9 12	A-1	MSK-3002		X					PT-1		01/12/95	JAF-PT-009A	WR # 94-07091 Limited Exam
					A 45°S						UT-4	010	01/12/95	JAF-UT-061A	
					C 45°S								01/12/95	JAF-UT-061A	
28-02-2-115-LS2	B-J	B9 12	A-1	MSK-3002		X					PT-1		01/12/95	JAF-PT-009	WR # 94-07091
					A 45°S						UT-4	010	01/12/95	JAF-UT-061B	
					C 45°S								01/12/95	JAF-UT-061B	
28-02-2-115-LS3	B-J	B9 12	A-1	MSK-3002		X					PT-1		01/12/95	JAF-PT-009	WR # 94-07091
					A 45°S						UT-4	010	01/12/95	JAF-UT-061C	
					C 45°S								01/12/95	JAF-UT-061C	

NOTES:

REVIEWED BY: M.O. Page 38 of 48

Date: 4/3/95

Date: 4/3/95

1995 REFUEL OUTAGE

Recirc. System (Section XI)

NOTES:

REVIEWED BY:

Page 39 of 68

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 4/3/95

Project: J. A. FITZPATRICK 1995 REFUEL OUTAGE					SYSTEM: Jet Pump Instrumentation Assembly (IGSCC) Loop B										
WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD					NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS	
					UT	SURF.		VISUAL							
						PT	MT	1	3						4
N-8B-SE IGSCC Detection Only from S/S Side	B-F	B5 10	D	S 16-5A	A 45°S						UT-4	067	01/18/95	JAF-UT-081	WR # 94-07274-15
					C 45°S								01/18/95	JAF-UT-081	
Both C/S & S/S					A 45°L						UT-12	067	01/18/95	JAF-UT-081A	
					C 45°L								01/18/95	JAF-UT-081B	
Both C/S & S/S					A 60°L								01/18/95	JAF-UT-081C	
					C 60°L								01/18/95	JAF-UT-081C	
N-8B-SE-1	B-J	B9 11	D	S 16-5A	A 45°S						UT-4	077	01/18/95	JAF-UT-082	WR # 94-07274-15
					C 45°S								01/18/95	JAF-UT-082	JAF4SI-INR-042
N-8B-SE-2	B-J	B9 11	D	S 16-5A	A 45°S						UT-4	086	01/18/95	JAF-UT-083	WR # 94-07274-15
					C 45°S								01/18/95	JAF-UT-083	
N-8B-SE-3	B-J	B9 11	D	S 16-5A	A 45°S						UT-4	088	01/18/95	JAF-UT-084	WR # 94-07274-15
					C 45°S								01/18/95	JAF-UT-084	JAF4SI-INR-043
4-02-2-117	B-J	B9 11	D	S 16-5A	A 45°S						UT-4	085	01/18/95	JAF-UT-080	WR # 94-07274-15
					C 45°S								01/18/95	JAF-UT-080	
					A 60°S								01/18/95	JAF-UT-080A	JAF4SI-INR-045

NOTES:

REVIEWED BY:

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 4/3/95

Project: J. A. FITZPATRICK 1995 REFUEL OUTAGE					SYSTEM: CRD System (03)										
WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	3	4					
NIB4R	C-B	C2.22	N/A	MSK-3038	31" S						UT-14	024	12/28/94	JAF-UT-018	WR # 94-08490
10-03-37	C-G	C2.1	N/A	MSK-3040			X				MT-1		01/04/95	JAF-MT-016	WR # 94-08488
					0"						UT-1	017	01/04/95	JAF-UT-023	
					A 45°S 1/2 V								01/04/95	JAF-UT-023B	
					A 45°S V 1/2								01/04/95	JAF-UT-023C	
					C 45°S								01/04/95	JAF-UT-023A	
10-03-38	C-G	C2.1	N/A	MSK-3040			X				MT-1		01/04/95	JAF-MT-017	WR # 94-08488
					0"						UT-1	017	01/04/95	JAF-UT-023	
					A 45°S 1/2 V								01/04/95	JAF-UT-023B	
					A 45°S V 1/2								01/04/95	JAF-UT-023C	
					C 45°S								01/04/95	JAF-UT-023A	
10-03-39	C-G	C2.1	N/A	MSK-3040			X				MT-1		01/04/95	JAF-MT-017	WR # 94-08488
					0"						UT-1	017	01/04/95	JAF-UT-024	
					A 45°S 1/2 V								01/04/95	JAF-UT-024B	
					A 45°S V 1/2								01/04/95	JAF-UT-024B	
					C 45°S								01/04/95	JAF-UT-024A	

NOTES:

REVIEWED BY: M.O.

Page 41 of 68

Date: 4/3/95

1995 REFUEL OUTAGE

RHR System IGSCC (10)

NOTES:

Page 42 of 68

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 4/3/95

Project: J. A. FITZPATRICK 1995 REFUEL OUTAGE					SYSTEM: RHR System (10)										
WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	3	4					
24-10-133	B-J	B9 11	N/A	MSK-3013			X				MT-1		01/14/95	JAF-MT-032	(WR #94-09156)
					0"						UT-1	024	01/14/95	JAF-UT-054	
					A 45°S						UT-1		01/14/95	JAF-UT-054B	
					C 45°S						UT-1		01/14/95	JAF-UT-054A	
N4-A	C-B	C2 21	N/A	MSK-3037			X				MT-1		01/16/95	JAF-MT-033	RHR Ht. Exch. 106-2A WR #94-09135
					0"						UT-3	088	01/16/95	JAF-UT-066	
					A 45°S						UT-3	088	01/16/95	JAF-UT-066A	
					C 45°S						UT-3	088	01/16/95	JAF-UT-066B	
					A 70°S						UT-3	088	01/16/95	JAF-UT-066C	70°S For Addl. Coverage JAF-ISI-NR-032
					C 70°S						UT-3	088	01/16/95	JAF-UT-066C	70°S For Addl. Coverage
N4A-IR	C-B	C2 22	N/A	MSK-3037											
SUP-5A	C-C	C3 10	N/A	MSK-3037			X				MT-1		01/19/95	JAF-MT-034	RHR Ht. Exch. 106-2A (WR #94-09135) (50% required for svc.)
SUP-6A	C-C	C3 10	N/A	MSK-3037			X				MT-1		01/19/95	JAF-MT-034	RHR Ht. Exch. 106-2A (WR #94-09135) (50% required for svc.)

NOTES:

REVIEWED BY:



Raytheon Engineers & Constructors ISI Checklist

Date: 5/3/95

Project: J. A. FITZPATRICK

SYSTEM: RHR System (19)

1995 REFUEL OUTAGE

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD					NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	PT	MT	1	VISUAL					
SUP-1A	F-A	F1.40	N/A	MSK-3037					X	VT-3		01/16/95	JAF-VT-036	RHR HI. Exch. 106-2A WR # 94-09135
SUP-2A	F-A	F1.40	N/A	MSK-3037					X	VT-3		01/16/95	JAF-VT-036A	RHR HI. Exch. 106-2A WR # 94-09135
SUP-3A	F-A	F1.40	N/A	MSK-3037					X	VT-3		01/16/95	JAF-VT-036B	RHR HI. Exch. 106-2A WR # 94-09135
SUP-4A	F-A	F1.40	N/A	MSK-3037					X	VT-3		01/16/95	JAF-VT-036C	RHR HI. Exch. 106-2A WR # 94-09135
20-10-626A	C-C	C3.2	N/A	MSK-3005			X			MT-1		01/13/95	JAF-MT-011B	RHR HI. Exch. 106-2A WR # 94-09135 JAF-ISI-INSR-006
20-10-626B	C-C	C3.2	N/A	MSK-3005			X			UT-9		01/13/95	JAF-UT-047	
										MT-1		12/08/94 01/13/95	JAF-MT-011 JAF-MT-011A	(WR #94-09153) JAF-ISI-INSR-006
16-10-1068	C-G	C2.1	N/A	MSK-3017			X			UT-9		01/13/95	JAF-UT-047	
14-10-1067	C-G	C2.1	N/A	MSK-3017			X			MT-1		11/23/94 11/30/94	JAF-MT-001 JAF-MT-001A	WR #94-09012 JAF-ISI-INSR-001
16-10-1061	C-G	C2.3	N/A	MSK-3017			X			MT-1		11/29/94	JAF-MT-002	WR # 94-09012
10-13A-AS-107	F-C	F1.20	N/A	MSK-3007 PFSK-2315			X			MT-1		11/23/94	JAF-MT-003	WR # 94-09012
									X	VT-3		11/23/94	JAF-VT-002	WR # 94-09154

NOTES:

Date: 4/3/95

Project:

J. A. FITZPATRICK

1995 REFUEL OUTAGE

SYSTEM:

RHR System (Service Water Pump Support)

[illegible]

NOTES:

REVIEWED BY:

Page 45 of 68

Date: 4/3/95

SYSTEM: Reactor Water Clean-Up System (12)

[illegible]

REVIEWED BY:

Date: 4/3/15

1995 REFUEL OUTAGE

RCIC System (13)

[illegible]

NOTES:

REVIEWED BY:

[illegible]

Project: J. A. FITZPATRICK
1995 REFUEL OUTAGE

SYSTEM: Core Spray System (14)

[illegible]

NOTES:

REVIEWED BY:

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 4/3/95

Project: J. A. FITZPATRICK 1995 REFUEL OUTAGE					SYSTEM: Core Spray System (14)										
WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	3	4					
12-14-834	C-G	C2.1	N/A	MSK-3023			X				MT-1		12/01/94	JAF-MT-006	WR # 94-08148
					0"						UT-1	017	12/02/94	JAF-UT-002	
					A 45°S								12/02/94	JAF-UT-002A	
					C 45°S								12/02/94	JAF-UT-002B	
5-14-779	C-G	C2.1	N/A	MSK-3022		X					PT-1		12/13/94 12/21/94	JAF-PT-002 JAF-PT-002A	
							X				MT-1		12/02/94 12/08/94 12/15/94	JAF-MT-008 JAF-MT-008A JAF-MT-008B	JAF4SI-4NR-003 WR # 94-08147 / Augmented L/III Evaluation
					0"						UT-1	015	12/05/94	JAF-UT-004	
					A 45°S								12/05/94	JAF-UT-004A	
					A 45°S (Supp)								12/08/94	JAF-UT-004C	
					C 45°S								12/05/94	JAF-UT-004B	
					A 80°S								12/21/94	JAF-UT-004D	
					30 70 70								12/13/94	JAF-UT-004E	
					OD Creeper								12/13/94	JAF-UT-004F	
					0"								12/09/94	JAF-UT-004G	
													12/13/94	JAF-UT-004H	L/III Evaluation Letter

NOTES:

REVIEWED BY: 

Date: 4/3/95

Project:

J. A. FITZPATRICK

1995 REFUEL OUTAGE

SYSTEM:

Core Spray System (14)

[illegible]

NOTES:

REVIEWED BY:

Page 50 of 89

Raytheon Engineers & Constructors ISI Checklist

Date: 5/3/95

Project:

J. A. FITZPATRICK

SYSTEM:

Core Spray IGSCC (14)

1996 REFUEL OUTAGE

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD					NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	PT	MT	1	3	4				
10-14-481	B-F	B5.130	A	MSK-3022		X						01/10/95	JAF-PT-007	WR # 94-07112
IGSCC Detection Only from S/S Side					A 45°S						004	01/10/95	JAF-UT-055A	
					C 45°S						004	01/10/95	JAF-UT-055	
					A 60°S						004	01/10/95	JAF-UT-055B	JAF-ISI-1NR-024
From C/S Side **					A 45°L						017°			
					C 45°L						017°			
					A 60°L						017°			
					C 60°L						017°			
10-14-480	B-J	B9.11	A	MSK-3022		X						01/10/95	JAF-PT-006	WR # 94-07112
IGSCC Detection					A 45°S						004	01/10/95	JAF-UT-044A	
					C 45°S							01/10/95	JAF-UT-044	

NOTES: * Per Client's direction

** Carbon Steel side was too rough to examine

REVIEWED BY: Michael Robbins

Date: 4/3/95

Fuel Pool Cooling System (19)

NOTES:

Page 52 of 68

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 4/3/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM: **HPCI System (23)**

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	3	4					
20-23-499	C-F	C2.1	N/A	MSK-3027			X				MT-1		12/01/94	JAF-MT-005	WR # 94-08153
20-23-497	C-F	C2.1	N/A	MSK-3027			X				MT-1		12/01/94	JAF-MT-005	WR # 94-08153
											UT-9		12/01/94	JAF-UT-001	JAF-4SI-HNR-002
10-23-688	C-F	C2.1	N/A	MSK-3024			X				MT-1		12/06/94	JAF-MT-009	WR # 94-08154
					0"						UT-1	017	12/29/94	JAF-UT-019	
					A 45°S								12/29/94	JAF-UT-019C	
					C 45°S								12/29/94	JAF-UT-018A	
					A 60°S								12/29/94	JAF-UT-019B	
10-23-689	C-F	C2.1	N/A	MSK-3024			X				MT-1		12/06/94	JAF-MT-009	WR # 94-08154
					0"						UT-1	017	12/29/94	JAF-UT-020	
					A 45°S								12/29/94	JAF-UT-020B	
					C 45°S								12/29/94	JAF-UT-020A	
					A 60°S								12/29/94	JAF-UT-020B	
10-23-695	C-F	C2.1	N/A	MSK-3024			X				MT-1		01/07/95	JAF-MT-022	WR # 94-08155
					0"						UT-1	017	01/07/95	JAF-UT-036	
					A 45°S								01/07/95	JAF-UT-036A	
					C 45°S								01/07/95	JAF-UT-036B	

NOTES:

REVIEWED BY:

Date: 4/3/95

Project:

J. A. FITZPATRICK

1995 REFUEL OUTAGE

SYSTEM:

HPCL System (23)

[illegible]

NOTES:

REVIEWED BY:

Page 54 of 68

Date: 4/3/95

1995 REFUEL OUTAGE

[illegible]

17.0

Page 55 of 68

Date: 4/3/95

SYSTEM: HPCI System (23)

[illegible]

NOTES:

REVIEWED BY:

Date: 4/3/95

Main Steam System (29)

NOTES:

REVIEWED BY:

Page 57 of 68

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 5/3/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
Main Steam System (29)

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	3	4					
24-29-539	B-J	B9.11	N/A	MSK-3031			X				MT-1		12/09/94 01/02/95	JAF-MT-012 JAF-MT-012A	WR# 94-05984-02 JAF-ISI-INR-010
					0"						UT-9		01/02/95	JAF-UT-009A	
					A 45°S						UT-1	O24	12/09/94	JAF-UT-009	
					C 45°S								12/09/94	JAF-UT-009	
N-3B-SE	B-J	B9.11	N/A	MSK-3031			X				MT-1		01/07/95	JAF-MT-019	WR # 94-06158
					A 45°S						UT-1	O24	01/07/95	JAF-UT-033	
					C 45°S								01/07/95	JAF-UT-033A	
24-29-552	B-J	B9.11	N/A	MSK-3031			X				MT-1		01/21/95	JAF-MT-037	WR # 94-08884
					A 45°S						UT-1	O24	01/21/95	JAF-UT-087	
					C 45°S								01/21/95	JAF-UT-087	
24-29-553	B-J	B9.11	N/A	MSK-3031			X				MT-1		01/21/95	JAF-MT-037	WR # 94-08884
					A 45°S						UT-1	O24	01/21/95	JAF-UT-088	
					C 45°S								01/21/95	JAF-UT-088	

NOTES:

REVIEWED BY: Michael Robbins

Date: 4/3/95

[illegible]

Page 59 of 68

REVIEWED BY:

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 5/3/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
Main Steam System (23)

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS	
					UT	SURF.		VISUAL								
						PT	MT	1	3	4						
24-29-523	B-J	B9.11	N/A	MSK-3031			X				MT-1		01/18/95	JAF-MT-036	WR # 94-08162-00	
					A 45°S						UT-1	O24	01/19/95	JAF-UT-067		
					C 45°S								01/19/95	JAF-UT-067		
6-29-524	B-J	B9.11	N/A	MSK-3031			X				MT-1		01/18/95	JAF-MT-036	WR # 94-08162-00	
					A 45°S						UT-1	O14	01/19/95	JAF-UT-068		
					C 45°S								01/19/95	JAF-UT-068		
24-29-560	B-J	B9.11	N/A	MSK-3031			X				MT-1		01/21/95	JAF-MT-037	WR # 94-08163-00	
					A 45°S						UT-1	O24	01/21/95	JAF-UT-087		
					C 45°S								01/21/95	JAF-UT-067		
6-29-561	B-J	B9.11	N/A	MSK-3031			X				MT-1		01/21/95	JAF-MT-037	WR # 94-08163-00	
					A 45°S						UT-1	O14	01/21/95	JAF-UT-086		
					C 45°S								01/21/95	JAF-UT-086		

NOTES:

REVIEWED BY: Michael Robbins

Date: 5/3/95

1996 REFUEL OUTAGE

Main Steam System (29)

NOTES:

REVIEWED BY: Michael Robbins

Date: 4/3/95

SYSTEM: Main Steam System (29)

[illegible]

NOTES:

REVIEWED BY:

Date: 4/3/95

Feedwater System (34)

NOTES:

Page 63 of 68

Date: 4/3/95

Feedwater System (34)

NOTES:

Page 64 of 68

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 4/3/95

Project: J. A. FITZPATRICK
1995 REFUEL OUTAGE

SYSTEM:
Feedwater System (34)

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	3	4					
12-34-407	B-J	B9.11	N/A	MSK-3034			X				MT-1		01/09/95	JAF-MT-024	WR # 94-05803-03
					A 45°S						UT-1	018	01/09/95	JAF-UT-042A	
					C 45°S								01/09/95	JAF-UT-042	
18-34-408	B-J	B9.11	N/A	MSK-3034			X				MT-1		01/09/95	JAF-MT-024	WR # 94-05803-03
					A 45°S						UT-1	020	01/09/95	JAF-UT-038A	
					C 45°S								01/09/95	JAF-UT-038	
12-34-409	B-J	B9.11	N/A	MSK-3034			X				MT-1		01/09/95	JAF-MT-024	V:R # 94-07274-02
					A 45°S						UT-1	018	01/09/95	JAF-UT-039A	
					C 45°S								01/09/95	JAF-UT-039	
18-34-418	B-J	B9.11	N/A	MSK-3034			X				MT-1		01/09/95	JAF-MT-024	WR # 94-05803-03
					A 45°S						UT-1	020	01/09/95	JAF-UT-038A	
					C 45°S								01/09/95	JAF-UT-038	
18-34-423	B-J	B9.11	N/A	MSK-3034			X				MT-1		01/07/95	JAF-MT-020	WR # 94-05803-04
					A 45°S						UT-1	020	01/07/95	JAF-UT-034A	
					C 45°S								01/07/95	JAF-UT-034	

NOTES:

REVIEWED BY:

Date: 4/3/95

SYSTEM:

Feedwater System (34)

[illegible]

REVIEWED BY: *He*

Date: 4/3/95

Feedwater System (34)

NOTES:

Page 67 of 68

Date: 4/3/95

Emergency Service Water System (46)

[illegible]

NOTES:

REVIEWED BY:

Page 68 of 68

NYPA ISI CHECKLIST

Date: 6/14/95

SYSTEM:

Review

Adm

[illegible]

NOTES: * Includes Flange 'B', 8 Studs & Nuts on Flange 'A' & 8 Studs & Nuts on Flange 'B'.

REVIEWED BY:

Page 1 of 38

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
Recirc System (02)

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	2	3					
Decon Flange & Bolting 16 Studs & 32 Nuts (Replacements)				2386-M-201				X			NDEP-9.5-1		12/21/94	94-0069	WR # 94-04287-00
Decon Flange & Bolting 16 Studs & 32 Nuts				FM-26-A				X			NDEP-9.5-1		12/22/94	94-0070	WR # 94-04287-00
02-2P-1A				11825-2.10-18				X			NDEP-9.5-1		01/12/95	95-0004	WR # 94-09131-00
02-RV-71C **				MP002.04						X	NDEP-9.5-2		01/21/95	95-0017	WR # 94-00350-00
				MP002.04				X			NDEP-9.5-1		01/21/95	95-0017	WR # 94-00350-00
02-RV-71D **				MP002.04						X	NDEP-9.5-2		01/21/95	95-0018	WR # 94-00351-00
				MP002.04				X			NDEP-9.5-1		01/21/95	95-0018	WR # 94-00351-00
02-RV-71H **				MP002.04						X	NDEP-9.5-2		01/21/95	95-0019	WR # 94-00355-00
				MP002.04				X			NDEP-9.5-1		01/21/95	95-0019	WR # 94-00355-00
02-RV-71E **				MP002.04				X			NDEP-9.5-1		01/21/95	95-0009	WR # 94-05424-00
02-RV-71L				MP002.04				X			NDEP-9.5-1		01/17/95	95-0010	WR # 94-05426-00
CLASS 1 PIPING ST-39R				PER ST-39R					X		NDEP-9.5-8		03/14/95	95-0073	ST-39R

NOTES: ** Top Works Only

REVIEWED BY:

Steve Smith

Date: 6/14/95

SYSTEM:
Recirc System (02)

[illegible]

NOTES:

REVIEWED BY:

Page 3 of 38

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: J. A. FITZPATRICK 1995 REFUEL OUTAGE					SYSTEM: Recirc System (02)											
WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS	
					UT	SURF.		VISUAL								
						PT	MT	1	2	3						
4" Branch Connection Decon Flange 8 Studs & 16 Nuts				FM26A					X			NDEP-9.5-1		12/27/94	94-0076	WR # 94-4287-06
02RV-71A *				MP 02.04							X	NDEP-9.5-2		01/01/95	94-0081	WR # 94-00348-00
				MP 02.04					X			NDEP-9.5-1		01/01/95	94-0081	
02RV-71J *				MP 02.04							X	NDEP-9.5-2		01/01/95	94-0082	WR # 94-00356-00
				MP 02.04					X			NDEP-9.5-1		01/01/95	94-0082	
02RV-71K *				MP 02.04							X	NDEP-9.5-2		01/01/95	94-0083	WR # 94-00357-00
				MP 02.04					X			NDEP-9.5-1		01/01/95	94-0083	
02RV-71B *				MP 02.04							X	NDEP-9.5-2		01/01/95	94-0084	WR # 94-00349-00
				MP 02.04					X			NDEP-9.5-1		01/01/95	94-0084	
02RV-71F *				MP 02.04							X	NDEP-9.5-2		01/02/95	94-0085	WR # 94-00353-00
				MP 02.04					X			NDEP-9.5-1		01/02/95	94-0085	
02RV-71G *				MP 02.04							X	NDEP-9.5-2		01/02/95	94-0086	WR # 94-00354-00
				MP 02.04					X			NDEP-9.5-1		01/02/95	94-0086	
ECP-02-2 Flange Bolting ** 8 Studs & 16 Nuts				MSK-3002					X			NDEP-9.5-1		01/05/95	95-0001	WR # 94-10569-01

NOTES: * Top works only
* * Inspected Under Tension

REVIEWED BY:

Steve Smith

Page 4 of 38

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM: **Control Rod Drive (03)**

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	2	3					
03CRDU-02-31								X			NDEP-9.5-1		01/07/95	95-0002	
03CRDU-02-35								X			NDEP-9.5-1		01/07/95	95-0002	
03CRDU-06-11								X			NDEP-9.5-1		01/07/95	95-0002	
03CRDU-06-31								X			NDEP-9.5-1		01/07/95	95-0002	
03CRDU-06-30								X			NDEP-9.5-1		01/07/95	95-0002	
03CRDU-10-07								X			NDEP-9.5-1		01/07/95	95-0002	
03CRDU-10-19								X			NDEP-9.5-1		01/07/95	95-0002	
03CRDU-10-23								X			NDEP-9.5-1		01/07/95	95-0002	
03CRDU-14-43								X			NDEP-9.5-1		01/07/95	95-0002	
03CRDU-18-43								X			NDEP-9.5-1		01/07/95	95-0002	
03CRDU-22-03								X			NDEP-9.5-1		01/07/95	95-0002	
03CRDU-22-47								X			NDEP-9.5-1		01/07/95	95-0002	
03CRDU-22-51								X			NDEP-9.5-1		01/07/95	95-0002	
03CRDU-26-07								X			NDEP-9.5-1		01/07/95	95-0002	
03CRDU-26-11								X			NDEP-9.5-1		01/07/95	95-0002	
03CRDU-26-35								X			NDEP-9.5-1		01/07/95	95-0002	
03CRDU-30-03								X			NDEP-9.5-1		01/07/95	95-0002	
03CRDU-30-15								X			NDEP-9.5-1		01/07/95	95-0002	

NOTES:

REVIEWED BY: *Steve Smith*

Date: 6/14/95

Control Rod Drive (03)

NOTES:

Page 6 of 38

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
RHR (10)

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	2	3					
16-10-1013 PSFK-2074				PFSK-2074*1						X	NDEP-9.5-2		12/21/94	94-0067	WR # 94-06778-00
10-38-NSN-71				PFSK-2377						X	NDEP-9.5-2		01/23/95	95-0021	WR # 94-07677-00
16-10-1011				MSK-3023		X					NDEP-9.1		12/20/94	94-0060	WR # 94-06778-00
16-10-1012				MSK-3023		X					NDEP-9.1		12/20/94	94-0060	WR # 94-06778-00
16-10-1013				MSK-3023		X					NDEP-9.1		12/20/94	94-0060	WR # 94-06778-00
16-10-1055				MSK-3022		X					NDEP-9.1		01/14/95	95-0017	WR # 94-06778-01
16-10-1054				MSK-3022		X					NDEP-9.1		01/14/95	95-0017	WR # 94-06778-01
H10-347				MSK-3013						X	NDEP-9.5-2		01/25/95	95-0023	WR # 94-07114-03
PFSK-763				PFSK-763						X	NDEP-9.5-2		01/25/95	95-0025	WR # 94-06985-00 F1-84-091
PFSK-761				MSK-114-N1						X	NDEP-9.5-2		01/28/95	95-0033	WR # 94-07500
H10-350				ECN-F1-84-091-1702						X	NDEP-9.5-2		02/03/95	95-0042	WR # 94-07557-00
14-9A-HS-15				PFSK-2085						X	NDEP-9.5-2		01/10/95	95-0011	WR # 94-06778-01
PFSK-2281				PFSK-2281						X	NDEP-9.5-2		02/16/95	95-0057	WR # 94-07674-00 F1-84-031

NOTES:

REVIEWED BY:

[Signature]

Page 8 of 38

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
Reactor Water Clean-up System (12)

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0312	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	2	3					
12RWC-46 Weld # 1 & 2				94-468		X					NDEP-9.1		12/30/94	94-0066	WR # 94-07907-00
12RWC-46 Weld # 1 & 2				94-468		X					NDEP-9.1		12/30/94	94-0067	WR # 94-07907-00
12RWC-46				6.37-231						X	NDEP-9.5-2		12/30/94	94-0077	WR # 94-09084-00
				6.37-231				X			NDEP-9.5-1		12/30/94	94-0079	WR # 94-09084-00
Socket Weld FW-3				MSK-10851B0		X					NDEP-9.1		01/09/95	95-0011	WR # 94-07375-00
Socket Weld FW-4				MSK-10851B0		X					NDEP-9.1		01/09/95	95-0011	WR # 94-07375-00
Socket Weld FW-5				MSK-10851B0		X					NDEP-9.1		01/09/95	95-0011	WR # 94-07375-00
Socket Weld FW-8				MSK-10851B0		X					NDEP-9.1		01/09/95	95-0011	WR # 94-07375-00
12-MOV-15				W8822747						X	NDEP-9.5-2		01/13/95	95-0005	WR # 94-08465-01
				W8822747				X			NDEP-9.5-1		01/13/95	95-0005	WR # 94-08465-01
Socket Weld FW-6				MSK-10851B0		X					NDEP-9.1		01/11/95	95-0013	WR # 94-07375-00
Socket Weld FW-7				MSK-10851B0		X					NDEP-9.1		01/11/95	95-0013	WR # 94-07375-00
12-MOV-31 Socket Weld FW-1 Socket Weld FW-2				MSK-10851B			X				NDEP-9.2		01/11/95	95-0015	WR # 94-07375-00
12-MOV-18				N/A						X	NDEP-9.5-2		01/14/95	95-0006	WR # 95-00036-00
				N/A				X			NDEP-9.5-1		01/14/95	95-0006	WR # 95-00036-00

NOTES:

REVIEWED BY: Steve Smith

Page 9 of 38

Date: 6/14/95

SYSTEM:
Reactor Water Clean-up System (12)

[illegible]

REVIEWED BY:

Date: 6/14/95

1995 REFUEL OUTAGE

RCIC (13)

[illegible]

NOTES:

REVIEWED BY:

Page 11 of 38

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK
1995 REFUEL OUTAGE**

SYSTEM:
Core Spray (14)

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0315	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	2	3					
10-14-880A PFSK-2265				PFSK-2265						X	NDEP 9.5-2		12/21/94	94-0066	WR # 94-06778-00
10-14-880				MSK-3023		X					NDEP-9.1		11/29/94	94-0043	WR # 94-06778-0
10-14-880				MSK-3023		X					NDEP-9.1		12/09/94	94-0050	WR # 94-06778-0
10-14-883				MSK-3023		X					NDEP-9.1		12/05/94	94-0049	WR # 94-06778-00
10-14-781				MSK-3022		X					NDEP-9.1		11/29/94	94-0045	WR # 94-06778-1
3-14-881				MSK-3023		X					NDEP-9.1		12/15/94	94-0053	WR # 94-06778-00
10-14-882				MSK-3023		X					NDEP-9.1		12/15/94	94-0054	WR # 94-06778-00
8-14-879				MSK-3023		X					NDEP-9.1		12/20/94	94-0060	WR # 94-06778-00
10-14-883				MSK-3023		X					NDEP-9.1		12/20/94	94-0060	WR # 94-06778-00
10-14-884				MSK-3023		X					NDEP-9.1		12/20/94	94-0060	WR # 94-06778-00
10-14-884A				MSK-3023		X					NDEP-9.1		12/20/94	94-0060	WR # 94-06778-00
10-14-880A				MSK-3023		X					NDEP-9.1		12/20/94	94-0060	WR # 94-06778-00

NOTES:

REVIEWED BY:

Steve Smith

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
Core Spray (14)

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD					NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL						
						PT	MT	1	2	3				
10-14-783				MSK-3022		X				NDEP-9.1		01/14/95	95-0017	WR # 94-06778-01
3-14-782				MSK-3022		X				NDEP-9.1		01/14/95	95-0017	WR # 94-06778-01
10-14-785				MSK-3022		X				NDEP-9.1		12/31/94	95-0071	WR # 94-06778-01
14-9A-HS-15				PFSK-2509					X	NDEP-9.5-2		01/19/95	95-0012	WR # 94-06778-01
8-14-780				MSK-3022		X				NDEP-9.1		01/17/95	95-0020	WR # 94-06778-01
10-14-784				MSK-3022		X				NDEP-9.1		01/17/95	95-0020	WR # 94-06778-01
10-14-785A				MSK-3022		X				NDEP-9.1		01/17/95	95-0020	WR # 94-06778-01
FW-3				MSK-3022		X				NDEP-9.1		01/17/95	95-0022	MOD # M1-93-059
14-10-W23-152-9A				FM-23A MSK-117B1 MSK-117E1				X		NDEP-9.5.8		02/03/95	95-0041	MOD # M1-93-059
14-3-W23-152-7A				FM-23A MSK-117B1 MSK-117E1				X		NDEP-9.5.8		02/03/95	95-0041	MOD # M1-93-059

NOTES:

REVIEWED BY: *Steve Smith*

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
(16)

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	2	3					
RWCU Pen X-14				MSK-3018					X		NDEP-9.5-8		04/04/95	94-0112	ST-39R
RCIC Pen X-10				MSK-3020					X		NDEP-9.5-8		04/04/95	94-0112	ST-39R
HPCI Pen X-11				MSK-3024					X		NDEP-9.5-8		04/04/95	94-0112	ST-39R
MS Pen X-7A				MSK-3031					X		NDEP-9.5-8		04/04/95	94-0112	ST-39R
MS Pen X-7B				MSK-3031					X		NDEP-9.5-8		04/04/95	94-0112	ST-39R
MS Pen X-7C				MSK-3032					X		NDEP-9.5-8		04/04/95	94-0112	ST-39R
MS Pen X-7D				MSK-3032					X		NDEP-9.5-8		04/04/95	94-0112	ST-39R
FW Pen X-9A				MSK-3033					X		NDEP-9.5-8		04/04/95	94-0112	ST-39R
FW Pen X-9B				MSK-3034					X		NDEP-9.5-8		04/04/95	94-0112	ST-39R
RPV RX NOZZLES				MSK-3036					X		NDEP-9.5-8		04/04/95	94-0112	ST-39R

NOTES:

REVIEWED BY: *Steve Smith*

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
HPCI System (23)

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	2	3/4					
Pipe FW-1				6.37-366		X					NDEP-9.1		12/29/94	94-0065	WR # 94-07373-00
Pipe FW-2				6.37-366		X					NDEP-9.1		12/29/94	94-0065	WR # 94-07373-00
23-MOV-15 Bolting				N/A				X			NDEP-9.5-1		01/17/95	95-0008	WR # 94-08469-02
23-MOV-15				N/A						X	NDEP-9.5-2		01/17/95	95-0008	WR # 94-08469-02
23-MOV-16 Bolting				FM25A				X			NDEP-9.5-1		01/21/95	95-0016	WR # 94-08470-02
23-MOV-16				FM25A						X	NDEP-9.5-2		01/21/95	95-0016	WR # 94-08470-02
PFSK-5631				PFSK-5631						X	NDEP-9.5-2		02/16/95	95-0058	WR # 94-06278-13
PFSK-1453				PFSK-1453						X/X	NDEP-9.5-2		03/18/95	95-0076	WR # 94-05120-11
PFSK-1889				PFSK-1889						X/X	NDEP-9.5-2		03/18/95	95-0076	WR # 94-05120-11
PFSK-2173				PFSK-2173						X/X	NDEP-9.5-2		03/18/95	95-0076	WR # 94-05120-11
PFSK-2301				PFSK-2301						X/X	NDEP-9.5-2		03/18/95	95-0076	WR # 94-05120-11
PFSK-2304				PFSK-2304						X/X	NDEP-9.5-2		03/18/95	95-0076	WR # 94-05120-11
PFSK-5631				PFSK-5631						X/X	NDEP-9.5-2		03/18/95	95-0076	WR # 94-05120-11
PFSK-5655				PFSK-5655						X/X	NDEP-9.5-2		03/18/95	95-0076	WR # 94-05120-11

NOTES: Line Designation: 23-1"-SHP-902-52

REVIEWED BY:

Steve Smith

Date: 6/14/95

SYSTEM: Main Steam System (29)

[illegible]

NOTES:

REVIEWED BY:

Page 16 of 38

Date: 6/14/95

Project:

J. A. FITZPATRICK

1995 REFUEL OUTAGE

SYSTEM:

Feederwater (34)

[illegible]

NOTES:

REVIEWED BY:

Page 17 of 38

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project:

J. A. FITZPATRICK

SYSTEM:

Snubbers

1995 REFUEL OUTAGE

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD				NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	PT	MT	VISUAL					
JAF # 311								X	MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 309								X	MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 507								X	MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 535								X	MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 521								X	MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 339								X	MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 419								X	MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 516								X	MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 407								X	MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 354								X	MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 533								X	MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 525								X	MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 544								X	MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 334								X	MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 420								X	MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 534								X	MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 505								X	MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 538								X	MST 100.2		12/06/94	94-0062	WR # 94-03494-00

NOTES:

[Signature]

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
Snubbers

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT								
JAF #171									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 124									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 131									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 801									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 803									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 175									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 108									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 135									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 335									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 340									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 330									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 313									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 281									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 413									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 813									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 237									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 185									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 156									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00

NOTES:

REVIEWED BY: *Steve Smith*

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM: **Snubbers**

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT								
JAF #167									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 809									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 180									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 168									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 140									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 853									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 854									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 852									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 808									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 267									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 160									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 506									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 526									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 603									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 537									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 528									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 554									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 524									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00

NOTES:

REVIEWED BY: *Steve Smith*

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
Snubbers

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT								
JAF # 532									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 551									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 503									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 523									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 520									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 556									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 538									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 530									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 553									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 512									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 542									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 541									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 511									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 604									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 550									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 508									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 501									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 226									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00

NOTES:

REVIEWED BY:

Steve Smith

New York Power Authority Miscellaneous Examination Checklist													
Project: J. A. FITZPATRICK		SYSTEM: Snubbers											
1995 REFUEL OUTAGE													
WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 8313	ISO DRAWING NUMBER	NDE METHOD				NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	PT	SURF.	MT	VISUAL				
JAF # 325									X		12/06/94	94-0062	WR # 94-03494-00
JAF # 328									X		12/06/94	94-0062	WR # 94-03494-00
JAF # 323									X		12/06/94	94-0062	WR # 94-03494-00
JAF # 290									X		12/06/94	94-0062	WR # 94-03494-00
JAF # 357									X		12/06/94	94-0062	WR # 94-03494-00
JAF # 321									X		12/06/94	94-0062	WR # 94-03494-00
JAF # 333									X		12/06/94	94-0062	WR # 94-03494-00
JAF # 320									X		12/06/94	94-0062	WR # 94-03494-00
JAF # 355									X		12/06/94	94-0062	WR # 94-03494-00
JAF # 292									X		12/06/94	94-0062	WR # 94-03494-00
JAF # 273									X		12/06/94	94-0062	WR # 94-03494-00
JAF # 336									X		12/06/94	94-0062	WR # 94-03494-00
JAF # 337									X		12/06/94	94-0062	WR # 94-03494-00
JAF # 302									X		12/06/94	94-0062	WR # 94-03494-00
JAF # 284									X		12/06/94	94-0062	WR # 94-03494-00
JAF # 298									X		12/06/94	94-0062	WR # 94-03494-00
JAF # 279									X		12/06/94	94-0062	WR # 94-03494-00
JAF # 289									X		12/06/94	94-0062	WR # 94-03494-00

NOTES:

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM: **Snubbers**

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT								
JAF # 207									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 221									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 268									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 291									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 834									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 363									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 204									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 312									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 317									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 326									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 815									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 251									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 241									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 227									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 293									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 214									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 233									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 802									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00

NOTES:

REVIEWED BY: *Arthur Smith*

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM: **Snubbers**

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT								
JAF # 161									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 329									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 255									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 248									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 240									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 277									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 502									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 504									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 557									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 558									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 424									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 412									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 422									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 401									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 414									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 409									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00
JAF # 416									X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00

NOTES:

REVIEWED BY: *Steve Smith*

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: J. A. FITZPATRICK 1995 REFUEL OUTAGE	SYSTEM: Snubbers
----------------------------------------------------------------	----------------------------

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD					NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS	
					UT	SURF.		VISUAL							
						PT	MT								
JAF # 417								X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00	
JAF # L-502								X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00	
JAF # L-501								X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00	
JAF # L-503								X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00	
JAF # L-505								X		MST 100.2		12/06/94	94-0062	WR # 94-03494-00	
JAF # 230								X		MST100.2		01/25/95	95-0024	WR # 93-04364-00	
JAF # 822								X		MST100.2		01/25/95	95-0024	WR # 93-04364-00	
JAF # 287								X		MST100.2		01/25/95	95-0024	WR # 93-04364-00	
JAF # 143								X		MST100.2		01/25/95	95-0024	WR # 93-04364-00	
JAF # 174								X		MST100.2		01/25/95	95-0024	WR # 93-04364-00	
JAF # 266								X		MST100.2		01/25/95	95-0024	WR # 93-04364-00	
JAF # 127								X		MST100.2		01/25/95	95-0024	WR # 93-04364-00	
JAF # 307								X		MST100.2		01/25/95	95-0024	WR # 93-04364-00	
JAF # 222								X		MST100.2		01/25/95	95-0024	WR # 93-04364-00	
JAF # 421								X		MST100.2		01/25/95	95-0024	WR # 93-04364-00	
JAF # 138								X		MST100.2		01/25/95	95-0024	WR # 93-04364-00	
JAF # 403								X		MST100.2		01/25/95	95-0024	WR # 93-04364-00	
JAF # 810								X		MST100.2		01/25/95	95-0024	WR # 93-04364-00	

NOTES:

REVIEWED BY:

[Signature]

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
Snubbers

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT								
JAF # 402									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 805									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 308									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 325									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 327									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 832									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 247									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 347									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 294									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 517									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 418									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 423									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 510									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 833									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 299									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 342									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 306									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 314									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00

NOTE:

REVIEWED BY:

[Signature]

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
Snubbers

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT								
JAF # 212									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 261									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 219									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 826									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # A31									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 260									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 133									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 811									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 118									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 119									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 215									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 295									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 154									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 176									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 406									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 332									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 268									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 328									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00

NOTES:

REVIEWED BY:

Steve Smith

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
Snubbers

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 9315	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT								
JAF # 236									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 234									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 260									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 830									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 316									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 851									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 821									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 231									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 816									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 190									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 814									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 172									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 110									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 253									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 158									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 275									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 297									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 232									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00

NOTES:

REVIEWED BY:

Steve Smith

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
Snubbers

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT								
JAF # 109									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 116									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 529									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 546									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 162									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 270									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 173									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 804									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 285									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 829									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 361									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 305									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 117									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 835									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 136									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 155									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 434									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 179									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00

NOTE:

REVIEWED BY:

[Signature]

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project:
J. A. FITZPATRICK
1995 REFUEL OUTAGE

SYSTEM:
Snubbers

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT								
JAF # 153									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 112									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 150									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 144									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 201									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 812									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 278									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 301									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 8422									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 2131									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 10753									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 30267									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 8550									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 03122									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 6907									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 05426									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 03975									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00
JAF # 030268									X		MST100.2		01/25/95	95-0024	WR # 93-04364-00

NOTES:

REVIEWED BY: Steve Smith

Date: 6/14/95

SYSTEM:
Snubbers

[illegible]

NOTES:

REVIEWED BY:

**Raytheon Engineers & Constructors
ISI Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM: SYSTEM:
Various Miscellaneous Exams

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT	1	2	3					
4" Blind 900 # Flange				N/A		X					NDEP-0.1		01/05/95	95-0001	N/A
Pad Eye Location # 1				3.11-4D			X				NDEP-0.2		01/03/95	94-0074	WR # 94-07316-02
Pad Eye Location # 2				3.11-4D			X				NDEP-0.2		01/03/95	94-0074	WR # 94-07316-02
180 Pad Eye				3.11-4D			X				NDEP-0.2		01/05/95	95-0002	WR # 94-07316-02
140 Pad Eye				3.11-4D			X				NDEP-0.2		01/05/95	95-0002	WR # 94-07316-02
A SIDE CS 10-14-491C Pen X-16A				MSK-3022					X		NDEP-0.5.8		01/25/95	95-0028	ST-3T
B SIDE CS 10-14-512C Pen X-16B				MSK-3023					X		NDEP-0.5.8		12/21/94	94-0064	ST-3T
A SIDE RHR 24-10-139B Pen X-13A				MSK-3013					X		NDEP-0.5.8		01/10/95	95-0036	ST-3AJ
B SIDE RHR 24-10-152B Pen X-13B				MSK-3013					X		NDEP-0.5.8		12/23/94	94-0071	ST-3AJ
SHUTDOWN COOLING CL1 20-10-128B Pen X-12				MSK-3011					X		NDEP-0.5.8		02/12/95	95-0052	ST-39K

NOTES:

REVIEWED BY:

[Signature]

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
Snubbers

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD					NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS	
					UT	SURF.		VISUAL							
						PT	MT								
JAF # 133								X		MST100.1		03/08/95	95-0066	WR # 94-05681-01	
JAF # 135								X		MST100.1		03/08/95	95-0066	WR # 94-05692-01	
JAF # 150								X		MST100.1		03/08/95	95-0066	WR # 94-05463-01	
JAF # 156								X		MST100.1		03/08/95	95-0066	WR # 94-05717-01	
JAF # 161								X		MST100.1		03/08/95	95-0066	WR # 94-05689-01	
JAF # 289								X		MST100.1		03/08/95	95-0066	WR # 94-05742-01	
JAF # 293								X		MST100.1		03/08/95	95-0066	WR # 94-05743-01	
JAF # 301								X		MST100.1		03/08/95	95-0066	WR # 94-05677-01	
JAF # 305								X		MST100.1		03/08/95	95-0066	WR # 94-05675-01	
JAF # 306								X		MST100.1		03/08/95	95-0066	WR # 94-05671-01	
JAF # 334								X		MST100.1		03/08/95	95-0066	WR # 94-05688-01	
JAF # 347								X		MST100.1		03/08/95	95-0066	WR # 94-05673-02	
JAF # 417								X		MST100.1		03/08/95	95-0066	WR # 94-05744-01	
JAF # 421								X		MST100.1		03/08/95	95-0066	WR # 94-07353-01	
JAF # 507								X		MST100.1		03/08/95	95-0066	WR # 94-07352-01	
JAF # 532								X		MST100.1		03/08/95	95-0066	V/R # 94-05729-01	
JAF # 529								X		MST100.1		03/08/95	95-0066	WR # 94-05674-02	
JAF # 554								X		MST100.1		03/08/95	95-0066	WR # 94-05687-01	

NOTES:

REVIEWED BY:

[Signature]

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
Snubbers

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT								
JAF # 813									X		MST100.1		03/08/95	95-0066	WR # 94-05716-01
JAF # 830									X		MST100.1		03/08/95	95-0066	WR # 94-05672-01
JAF # 852									X		MST100.1		03/08/95	95-0066	WR # 94-05686-01
JAF # 342									X		MST100.1		03/08/95	95-0066	WR # 94-05682-01
JAF-L # 505									X		MST100.1		03/08/95	95-0066	WR # 94-07313-01
JAF # 124									X		MST100.1		03/08/95	95-0066	WR # 94-10064-00
JAF # 140									X		MST100.1		03/08/95	95-0066	WR # 94-10061-01
JAF # 144									X		MST100.1		03/08/95	95-0066	WR # 94-10065-01
JAF # 155									X		MST100.1		03/08/95	95-0066	WR # 94-10063-02
JAF # 221									X		MST100.1		03/08/95	95-0066	WR # 94-10072-01
JAF # 219									X		MST100.1		03/08/95	95-0066	WR # 94-10068-01
JAF # 275									X		MST100.1		03/08/95	95-0066	WR # 94-10079-01
JAF # 284									X		MST100.1		03/08/95	95-0066	WR # 94-10071-01
JAF # 806									X		MST100.1		03/08/95	95-0066	WR # 94-10084-01
JAF # 308									X		MST100.1		03/08/95	95-0066	WR # 94-10066-01
JAF # 354									X		MST100.1		03/08/95	95-0066	WR # 94-10063-01
JAF # 406									X		MST100.1		03/08/95	95-0066	WR # 94-10075-01
JAF # 413									X		MST100.1		03/08/95	95-0066	WR # 94-10067-01

NOTES:

REVIEWED BY: *Steve Smith*

Page 34 of 38

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: J. A. FITZPATRICK		SYSTEM: Snubbers											
1995 REFUEL OUTAGE													
WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD				NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	PT	MT	VISUAL					
JAF # 424								X		MST100.1		95-0066	WR # 94-10074-01
JAF # 512								X		MST100.1		95-0066	WR # 94-10096-01
JAF # 546								X		MST100.1		95-0066	WR # 94-10080-01
JAF # 268								X		MST100.1		95-0066	WR # 94-10078-01
JAF # 805								X		MST100.1		95-0066	WR # 94-10065-01
JAF # 811								X		MST100.1		95-0066	WR # 94-10069-00
JAF # 815								X		MST100.1		95-0066	WR # 94-10073-01
JAF # 829								X		MST100.1		95-0066	WR # 94-10082-01
JAF # 215								X		MST100.1		95-0066	WR # 94-10415-00
JAF # 116								X		MST100.1		95-0066	WR # 94-10278-02
JAF # 131								X		MST100.1		95-0066	WR # 94-10280-01
JAF # 168								X		MST100.1		95-0066	WR # 94-10277-01
JAF # 190								X		MST100.1		95-0066	WR # 94-10278-01
JAF # 226								X		MST100.1		95-0066	WR # 94-10276-01
JAF # 232								X		MST100.1		95-0066	WR # 94-10275-01
JAF # 236								X		MST100.1		95-0066	WR # 94-10274-01
JAF # 251								X		MST100.1		95-0066	WR # 94-10267-01
JAF # 266								X		MST100.1		95-0066	WR # 94-10272-01

NOTES:

REVIEWED BY: *[Signature]*

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
Snubbers

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT								
JAF # 281									X		MST100.1		03/08/95	95-0066	WR # 94-10281-01
JAF # 280									X		MST100.1		03/08/95	95-0066	WR # 94-10269-01
JAF # 294									X		MST100.1		03/08/95	95-0066	WR # 94-10268-01
JAF # 309									X		MST100.1		03/08/95	95-0066	WR # 94-10279-01
JAF# 313									X		MST100.1		03/08/95	95-0066	WR # 94-10274-01
JAF # 323									X		MST100.1		03/08/95	95-0066	WR # 94-10286-01
JAF # 325									X		MST100.1		03/08/95	95-0066	WR # 94-10273-01
JAF # 302									X		MST100.1		03/08/95	95-0066	WR # 94-10481-01
JAF # 403									X		MST100.1		03/08/95	95-0066	WR # 94-10287-01
JAF # 508									X		MST100.1		03/08/95	95-0066	WR # 94-10288-01
JAF # 517									X		MST100.1		03/08/95	95-0066	WR # 94-10282-01
JAF # 521									X		MST100.1		03/08/95	95-0066	WR # 94-10478-01
JAF # 526									X		MST100.1		03/08/95	95-0066	WR # 94-10266-01
JAF # 111									X		MST100.1		03/08/95	95-0066	WR # 94-07927-00
JAF # 120									X		MST100.1		03/08/95	95-0066	WR # 94-07928-00
JAF # 122									X		MST100.1		03/08/95	95-0066	WR # 94-07929-00
JAF # 123									X		MST100.1		03/08/95	95-0066	WR # 94-07930-00
JAF # 139									X		MST100.1		03/08/95	95-0066	WR # 94-07931-00

NOTES:

REVIEWED BY: Steve Smith

**New York Power Authority
Miscellaneous Examination Checklist**

Date: 6/14/95

Project: **J. A. FITZPATRICK**
1995 REFUEL OUTAGE

SYSTEM:
Snubbers

WELD OR ITEM IDENTIFICATION	EXAM CAT.	ITEM NO.	NUREG 0313	ISO DRAWING NUMBER	NDE METHOD						NDE PROCEDURES REQUIRED	CALIBRATION BLOCKS REQUIRED	DATE COMPLETED	DATA REPORT NUMBER	REMARKS
					UT	SURF.		VISUAL							
						PT	MT								
JAF # 147									X		MST100.1		03/08/95	95-0066	WR # 94-07932-00
JAF # 164									X		MST100.1		03/08/95	95-0066	WR # 94-07933-00
JAF # 177									X		MST100.1		03/08/95	95-0066	WR # 94-07936-00
JAF # 215									X		MST100.1		03/08/95	95-0066	WR # 94-10415-00
JAF# 217									X		MST100.1		03/08/95	95-0066	WR # 94-07938-00
JAF # 228									X		MST100.1		03/08/95	95-0066	WR # 94-07939-00
JAF # 261									X		MST100.1		03/08/95	95-0066	WR # 94-09692-00
JAF # 269									X		MST100.1		03/08/95	95-0066	WR # 94-07940-00
JAF # 327									X		MST100.1		03/08/95	95-0066	WR # 94-09085-02
JAF # 341									X		MST100.1		03/08/95	95-0066	WR # 94-07943-00
JAF # 404									X		MST100.1		03/08/95	95-0066	WR # 93-03098-25
JAF # 502									X		MST100.1		03/08/95	95-0066	WR # 94-10466-00
JAF # 558									X		MST100.1		03/08/95	95-0066	WR # 94-10467-02
JAF # 819									X		MST100.1		03/08/95	95-0066	WR # 93-03098-26
JAF # 836									X		MST100.1		03/08/95	95-0066	WR # 94-07949-00
JAF # 109									X		MST100.1		03/08/95	95-0066	WR # 95-00182-01
JAF # 212									X		MST100.1		03/08/95	95-0066	WR # 94-09432-01
JAF # 287									X		MST100.1		03/08/95	95-0066	WR # 94-09095-01

NOTES:

REVIEWED BY: *Steve Smith*

Page 37 of 38

Date: 6/14/95

SYSTEM:
Snubbers

[illegible]

NOTES:

REVIEWED BY:

Attachment II to JPN-95-030

NEW YORK POWER AUTHORITY

JAMES A. FITZPATRICK NUCLEAR POWER PLANT
DOCKET NO. 50-333

ENCLOSURE 3

EXAMINATION RESULTS

- Examination Result Listing
- Limited Examination Listing

Examination Result Listing

REACTOR PRESSURE VESSEL

<u>VI</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-VT-004	CLOSURE HEAD 38,39,40 & 41	VT-1	12-3-94	NRI
JAF-VT-011	N-TH-C 12 BOLTS & 24 NUTS	VT-1	12-12-94	NRI
JAF-VT-012	N-TH-A 12 BOLTS & 24 NUTS	VT-1	12-12-94	RJ; LESS THAN ONE (1) THREAD SHOWING, ACCEPTABLE PER EVALUATION/SEE WR 94-08138
JAF-VT-013	DHDB-1 41°	VT-3	12-12-94	LIGHT RUST; ACCEPTABLE
JAF-VT-013A	DHDB-1 41°	VT-1	12-12-94	LIGHT RUST; ACCEPTABLE
JAF-VT-014	DHDB-2 138°	VT-3	12-12-94	LIGHT RUST; ACCEPTABLE
JAF-VT-014A	DHDB-2 138°	VT-1	12-12-94	LIGHT RUST; ACCEPTABLE
JAF-VT-015	DHDB-3 221°	VT-3	12-12-94	LIGHT RUST; ACCEPTABLE
JAF-VT-015A	DHDB-3 221°	VT-1	12-12-94	LIGHT RUST; ACCEPTABLE
JAF-VT-016	DHDB-4 318°	VT-3	12-12-94	LIGHT RUST; ACCEPTABLE
JAF-VT-016A	DHDB-4 318°	VT-1	12-12-94	LIGHT RUST; ACCEPTABLE
JAF-VT-021	CLOSURE HEAD WASHER 1 THRU 52	VT-1	12-28-94	NRI
JAF-VT-022	CLOSURE HEAD NUTS 1 THRU 52 (INSIDE TREADS ONLY)	VT-1	12-28-94	NRI
JAF-VT-030	N-11A-SE	VT-1	1-12-95	ARC STRIPES
JAF-VT-030A	N-11A-SE	VT-1	1-13-95	NRI
JAF-VT-031	N-11B-SE	VT-1	1-11-95	NRI
JAF-VT-032	N-12A-SE	VT-1	1-11-95	NRI
JAF-VT-033	N-12B-SE	VT-1	1-11-95	NRI
JAF-VT-037	N-16A-SE	VT-1	1-18-95	NRI
	N-16B-SE	VT-1	1-18-95	NRI

REACTOR PRESSURE VESSEL

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-VT-038	VC-SKC (INSIDE SURFACE)	VT-1	1-21-95	NRI
JAF-VT-039	STABILIZER-1	VT-1	1-21-95	NRI
JAF-VT-040	STABILIZER-2	VT-1	1-21-95	NRI
JAF-VT-041	STABILIZER-3	VT-1	1-21-95	NRI
JAF-VT-042	STABILIZER-4	VT-1	1-21-95	NRI
<u>MT</u>				
JAF-MT-014	CLOSURE HEAD NUTS 1 THRU 52 (OUTSIDE SURFACES ONLY)	MT	12-28-94	NRI
JAF-MT-015	CLOSURE HEAD STUDS 38,39,40&41	MT	12-28-94	NRI
JAF-MT-015A	CLOSURE HEAD STUDS 38,39,40&41	MT	12-28-94	NRI
JAF-MT-038	STABILIZER 1, 2, 3 & 4	MT	1-21-95	NRI
<u>PT</u>				
JAF-PT-010	N-11A-SE	PT	1-13-95	NRI
JAF-PT-010A	N-11B-SE	PT	1-11-95	NRI
	N-12A-SE	PT	1-11-95	NRI
	N-12B-SE	PT	1-11-95	NRI
JAF-PT-012	N-16A-SE	PT	1-17-95	NRI
	N-16B-SE	PT	1-17-95	NRI
JAF-PT-013	CRD HOUSINGS			
	V8	PT	1-20-95	NRI
	U1	PT	1-20-95	NRI
	V1	PT	1-20-95	NRI
	V7	PT	1-20-95	NRI
	U4	PT	1-20-95	NRI
	V6	PT	1-20-95	NRI
JAF-PT-013A	CRD HOUSINGS			
	V2	PT	1-20-95	NRI
	U2	PT	1-20-95	NR

REACTOR PRESSURE VESSEL

<u>PT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-PT-13A	V3	PT	1-20-95	NRI
	V4	PT	1-20-95	NRI
	U3	PT	1-20-95	NRI
	V5	PT	1-20-95	NRI
<u>UT</u>				
JAF-UT-003	VC-F-1 (FROM FACE)	UT	12-3-94	NRI
JAF-UT-003A	VC-F-1 (FROM FACE)	UT	12-3-94	NRI
JAF-UT-012	VC-TH-1-2	UT	12-9-94	VERIFIED PREVIOUS DATA
JAF-UT-012A	VC-TH-1-2	UT	12-9-94	VERIFIED PREVIOUS DATA
JAF-UT-012B	VC-TH-1-2	UT	12-15-94	VERIFIED PREVIOUS DATA
JAF-UT-012C	VC-TH-1-2	UT	12-15-94	VERIFIED PREVIOUS DATA
JAF-UT-013	CLOSURE HEAD STUDS 16 THRU 41 (16 THRU 37 WERE IN PLACE)	UT	12-23-94	NRI
JAF-UT-014	N3A	UT	12-20-94	NRI
	N3B	UT	12-20-94	NRI
JAF-UT-014A	N3A	UT	12-21-94	NRI
	N3B	UT	12-21-94	NRI
JAF-UT-014B	N3A	UT	12-21-94	NRI
	N3B	UT	12-21-94	NRI
JAF-UT-015	N-3A-IR	UT	12-20-94	NRI
	N-3B-IR	UT	12-20-94	NRI
JAF-UT-059	N-11A-SE	UT	1-13-95	NRI
JAF-UT-064	N1B	UT	1-9-95	NRI
JAF-UT-064A	N1B	UT	1-9-95	NRI
JAF-UT-064B	N1B	UT	1-9-95	NRI

REACTOR PRESSURE VESSEL

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-UT-064C	N1B	UT	1-20-95	NRI
JAF-UT-065	N-1B-IR	UT	1-10-95	NRI
JAF-UT-070	N-2B-IR	UT	1-7-95	NRI
JAF-UT-070A	N2B	UT	1-9-95	NRI
JAF-UT-070B	N2B	UT	1-7-95	NRI
JAF-UT-070C	N2B	UT	1-7-95	NRI
JAF-UT-070D	N2B	UT	1-20-95	NRI
JAF-UT-071	N-2E-IR	UT	1-7-95	NRI
JAF-UT-071A	N2E	UT	1-9-95	NRI
JAF-UT-071B	N2E	UT	1-9-95	NRI
JAF-UT-071C	N2E	UT	1-9-95	NRI
JAF-UT-071D	N2E	UT	1-20-95	NRI
JAF-UT-072	N-2H-IR	UT	1-5-95	NRI
JAF-UT-072A	N2H	UT	1-9-95	NRI
JAF-UT-072B	N2H	UT	1-9-95	NRI
JAF-UT-072C	N2H	UT	1-9-95	NRI
JAF-UT-072D	N2H	UT	1-20-95	NRI
JAF-UT-073	N-2K-IR	UT	1-5-95	NRI
JAF-UT-073A	N2K	UT	1-9-95	NRI
JAF-UT-073B	N2K	UT	1-9-95	NRI
JAF-UT-073C	N2K	UT	1-9-95	NRI
JAF-UT-073D	N2K	UT	1-20-95	NRI
JAF-UT-074	VC-1-2 DOOR W-7	UT	1-13-95	NRI
JAF-UT-074A	VC-1-2 DOOR W-7	UT	1-13-95	NRI
JAF-UT-074B	VC-1-2 DOOR W-7	UT	1-13-95	NRI

REACTOR PRESSURE VESSEL

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-UT-075	N4A	UT	1-13-95	NRI
JAF-UT-075A	N4A	UT	1-13-95	NRI
JAF-UT-075B	N4A	UT	1-13-95	NRI
JAF-UT-075C	N4A	UT	1-23-95	NRI
JAF-UT-076	N4B	UT	1-13-95	NRI
JAF-UT-076A	N4B	UT	1-13-95	NRI
JAF-UT-076B	N4B	UT	1-13-95	NRI
JAF-UT-076C	N4B	UT	1-23-95	NRI
JAF-UT-077	N4C	UT	1-13-95	NRI
JAF-UT-077A	N4C	UT	1-13-95	NRI
JAF-UT-077B	N4C	UT	1-13-95	NRI
JAF-UT-077C	N4C	UT	1-23-95	NRI
JAF-UT-078	N4D	UT	1-13-95	NRI
JAF-UT-078A	N4D	UT	1-13-95	NRI
JAF-UT-078B	N4D	UT	1-13-95	NRI
JAF-UT-078C	N4D	UT	1-23-95	NRI
JAF-UT-079	N-5A-IR	UT	1-13-95	NRI
JAF-UT-079A	N5A	UT	1-13-95	NRI
JAF-UT-079B	N5A	UT	1-13-95	NRI
JAF-UT-079C	N5A	UT	1-13-95	NRI
JAF-UT-079D	N5A	UT	1-23-95	NRI
JAF-UT-090	VC-2-3 (DOOR W-1)	UT	1-16-95	NRI
JAF-UT-090A	VC-2-3 (DOOR W-1)	UT	1-16-95	NRI
JAF-UT-090B	VC-2-3 (DOOR W-1)	UT	1-16-95	NRI

REACTOR PRESSURE VESSEL

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-UT-094	VC-F-1 (90° THRU 270° FROM O.D.)	UT	1-18-95	NRI
JAF-UT-094A	VC-F-1 (90° THRU 270° FROM O.D.)	UT	1-18-95	NRI
JAF-UT-094B	VC-F-1 (90° THRU 270° FROM O.D.)	UT	1-18-95	NRI
JAF-UT-094C	VC-F-1 (90° THRU 270° FROM O.D.)	UT	1-18-95	NRI
JAF-UT-095	VC-3-4 VV-3B (DOOR W-13)	UT	1-17-95	NRI
JAF-UT-095A	VV-3-4 VV-3B (DOOR W-13)	UT	1-17-95	NRI
JAF-UT-095B	VC-3-4 (DOOR W-13)	UT	1-17-95	NRI
JAF-UT-095C	VV-3B (DOOR W-13)	UT	1-17-95	NRI
JAF-UT-095D	VC-3-4 VV-3C (DOOR W-4)	UT	1-17-95	NRI
JAF-UT-095E	VC-3-4 VV-3C (DOOR W-4)	UT	1-17-95	NRI
JAF-UT-095F	VC-3-4 (DOOR W-4)	UT	1-17-95	NRI
JAF-UT-095G	VV-3C (DOOR W-4)	UT	1-17-95	NRI
JAF-UT-096	N-8B-IR	UT	1-19-95	NRI
JAF-UT-096A	N8B	UT	1-19-95	NRI
JAF-UT-096B	N8B	UT	1-19-95	NRI

REACTOR PRESSURE VESSEL

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-UT-096C	N8B	UT	1-19-95	NRI
JAF-UT-096D	N8B	UT	1-23-95	NRI
JAF-UT-097	VC-BH-1-2 (15°-90°)	UT	1-23-95	NRI
JAF-UT-097A	VC-BH-1-2 (90°-15°)	UT	1-24-95	NRI
JAF-UT-097B	VC-BH-1-2 (15°-90°)	UT	1-23-95	NRI
JAF-UT-097C	VC-BH-1-2 (90°-15°)	UT	1-24-95	NRI
JAF-UT-097D	VC-BH-1-2 (15°-90°)	UT	1-23-95	NRI
JAF-UT-097E	VC-BH-1-2 (90°-15°)	UT	1-24-95	NRI
JAF-UT-098	VV-BH-1A	UT	1-23-95	LAMINATION; ACCEPTABLE
JAF-UT-098A	VV-BH-1B	UT	1-23-95	LAMINATION; ACCEPTABLE
JAF-UT-098B	VV-BH-1A VV-BH-1B	UT	1-23-95	NRI
JAF-UT-098C	VV-BH-1A VV-BH-1B	UT	1-23-95	NRI

RECIRCULATION SYSTEM

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-VT-027	02-2-1A-AN-014	VT-3/VT-4	1-9-95	INCOMPLETE THREAD
JAF-VT-027A	02-2-1A-AN-014	VT-3/VT-4	1-20-95	ENGAGEMENT/LOOSENUT REEXAMINATION/NRI

PT

JAF-PT-001	12-02-2-77	PT	12-6-94	NRI
JAF-PT-001	12-02-2-77-LS2	PT	12-6-94	NRI
JAF-PT-001A	12-02-2-77-LS1	PT	1-4-95	NRI
JAF-PT-003	N-2D-SE	PT	1-4-95	NRI
JAF-PT-004	12-02-2-8-LS2	PT	1-6-95	NRI
JAF-PT-005	12-02-2-8-LS1	PT	1-4-95	NRI
JAF-PT-008	22-02-2-86-LS1	PT	1-12-95	RI/ACCEPTABLE
JAF-PT-008A	22-02-2-86	PT	1-12-95	NRI
	22-02-2-87	PT	1-12-95	NRI
	22-02-2-87-LS1	PT	1-12-95	NRI
JAF-PT-009	28-02-2-111	PT	1-12-95	NRI
	28-02-2-111-LS1	PT	1-12-95	NRI
	28-02-2-111-LS2	PT	1-12-95	NRI
	28-02-2-111-LS3	PT	1-12-95	NRI
	28-02-2-115	PT	1-12-95	NRI
	28-02-2-115-LS2	PT	1-12-95	NRI
	28-02-2-115-LS3	PT	1-12-95	NRI
JAF-PT-009A	28-02-2-115-LS1	PT	1-12-95	NRI
JAF-PT-011	28-02-2-34	PT	1-14-95	NRI
	28-02-2-34-LS1	PT	1-14-95	NRI
	28-02-2-34-LS2	PT	1-14-95	NRI

UT

JAF-UT-005	12-02-2-17	UT	12-6-94	GEOMETRY
JAF-UT-005A	12-02-2-17	UT	12-6-94	GEOMETRY
JAF-UT-005B	12-02-2-17	UT	12-7-94	NRI
JAF-UT-006	12-02-2-81	UT	12-6-94	NRI
	12-02-2-77	UT	12-6-94	NRI

RECIRCULATION SYSTEM

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-UT-006A	12-02-2-81	UT	12-6-94	GEOMETRY
	12-02-2-77	UT	12-6-94	NRI
JAF-UT-006B	12-02-2-81	UT	12-6-94	NRI
JAF-UT-006C	12-02-2-81	UT	12-6-94	GEOMETRY
JAF-UT-006D	12-02-2-77-LS2	UT	12-6-94	NRI
JAF-UT-006E	12-02-2-77-LS2	UT	12-6-94	NRI
JAF-UT-006F	12-02-2-77-LS1	UT	1-5-95	NRI
JAF-UT-010	12-02-2-2	UT	12-6-94	GEOMETRY
JAF-UT-010A	12-02-2-2	UT	12-6-94	GEOMETRY
JAF-UT-011	12-02-2-7	UT	12-6-94	GEOMETRY
JAF-UT-011A	12-02-2-7	UT	12-6-94	GEOMETRY
JAF-UT-025	N-1-B-SE	UT	1-4-95	NRI
JAF-UT-025A	N-1-B-SE	UT	1-4-95	BEAM REDIRECTION
JAF-UT-025B	N-1-B-SE	UT	1-4-95	GEOMETRY
JAF-UT-025C	N-1-B-SE	UT	1-4-95	GEOMETRY
JAF-UT-025D	N-1-B-SE	UT	1-4-95	NRI
JAF-UT-025E	N-1-B-SE	UT	1-4-95	GEOMETRY
JAF-UT-025F	N-1-B-SE	UT	1-4-95	NRI
JAF-UT-026	28-02-2-49	UT	1-5-95	GEOMETRY
JAF-UT-027	12-02-2-8-LS1	UT	1-5-95	GEOMETRY
JAF-UT-027A	12-02-2-8-LS2	UT	1-5-95	GEOMETRY
JAF-UT-028	28-02-2-48	UT	1-6-95	NRI
JAF-UT-029	12-02-2-1	UT	1-6-95	NRI
	12-02-2-8	UT	1-6-95	NRI
	12-02-2-70	UT	1-6-95	NRI
	12-02-2-76	UT	1-6-95	NRI

RECIRCULATION SYSTEM

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-UT-030	12-02-2-65	UT	1-6-95	VERIFIED ORIGINAL IGSCC
JAF-UT-031	N-2A-SE	UT	1-4-95	GEOMETRY
JAF-UT-031A	N-2B-SE	UT	1-4-95	GEOMETRY
JAF-UT-031B	N-2E-SE	UT	1-4-95	GEOMETRY
JAF-UT-031C	N-2H-SE	UT	1-4-95	GEOMETRY
JAF-UT-031D	N-2K-SE	UT	1-4-95	GEOMETRY
JAF-UT-031E	N-2A-SE	UT	1-4-95	NRI
	N-2B-SE	UT	1-4-95	NRI
	N-2E-SE	UT	1-4-95	NRI
	N-2H-SE	UT	1-4-95	NRI
	N-2K-SE	UT	1-4-95	NRI
JAF-UT-031F	N-2A-SE	UT	1-4-95	NRI
	N-2B-SE	UT	1-4-95	NRI
	N-2E-SE	UT	1-4-95	NRI
	N-2H-SE	UT	1-4-95	NRI
	N-2K-SE	UT	1-4-95	NRI
JAF-UT-031G	N-2A-SE	UT	1-4-95	NRI
	N-2B-SE	UT	1-4-95	NRI
	N-2E-SE	UT	1-4-95	NRI
	N-2H-SE	UT	1-4-95	NRI
	N-2K-SE	UT	1-4-95	NRI
JAF-UT-031H	N-2A-SE	UT	1-4-95	NRI
	N-2B-SE	UT	1-4-95	NRI
	N-2E-SE	UT	1-4-95	NRI
	N-2H-SE	UT	1-4-95	NRI
	N-2K-SE	UT	1-4-95	NRI
JAF-UT-031I	N-2A-SE	UT	1-4-95	NRI
	N-2B-SE	UT	1-4-95	NRI
	N-2E-SE	UT	1-4-95	NRI
	N-2H-SE	UT	1-4-95	NRI
	N-2K-SE	UT	1-4-95	NRI
JAF-UT-031J	N-2A-SE	UT	1-4-95	NRI
	N-2B-SE	UT	1-4-95	NRI
	N-2E-SE	UT	1-4-95	NRI
	N-2H-SE	UT	1-4-95	NRI
	N-2K-SE	UT	1-4-95	NRI

RECIRCULATION SYSTEM

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-UT-048	28-02-2-52	UT	1-13-95	NRI
JAF-UT-049	12-02-2-15	UT	1-13-95	NRI
JAF-UT-050	22-02-2-22	UT	1-10-95	VERIFIED ORIGINAL IGSCC
JAF-UT-051	28-02-2-113	UT	1-13-95	VERIFIED ORIGINAL IGSCC
JAF-UT-052	28-02-2-54	UT	1-10-95	NRI
JAF-UT-052A	28-02-2-54	UT	1-10-95	GEOMETRY
JAF-UT-052B	28-02-2-54	UT	1-10-95	GEOMETRY
JAF-UT-056	12-02-2-4	UT	1-11-95	GEOMETRY
JAF-UT-056A	12-02-2-4	UT	1-11-95	GEOMETRY
JAF-UT-057	22-02-2-86	UT	1-13-95	NRI
JAF-UT-057A	22-02-2-86	UT	1-13-95	GEOMETRY
JAF-UT-057B	22-02-2-86	UT	1-13-95	GEOMETRY
JAF-UT-057C	22-02-2-86-LS1	UT	1-13-95	NRI
JAF-UT-057D	22-02-2-86-LS1	UT	1-13-95	GEOMETRY
JAF-UT-058	22-02-2-87	UT	1-13-95	NRI
JAF-UT-058A	22-02-2-87	UT	1-13-95	GEOMETRY
JAF-UT-058B	22-02-2-87	UT	1-13-95	GEOMETRY
JAF-UT-058C	22-02-2-87-LS1	UT	1-13-95	NRI
JAF-UT-058D	22-02-2-87-LS1	UT	1-13-95	GEOMETRY
JAF-UT-060	28-02-2-111	UT	1-12-95	GEOMETRY
JAF-UT-060A	28-02-2-111-LS1	UT	1-12-95	GEOMETRY
JAF-UT-060B	28-02-2-111-LS2	UT	1-12-95	GEOMETRY
JAF-UT-060C	28-02-2-111-LS3	UT	1-12-95	NRI
JAF-UT-061	28-02-2-115	UT	1-12-95	GEOMETRY

RECIRCULATION SYSTEM

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-UT-061A	28-02-2-115-LS1	UT	1-12-95	NRI
JAF-UT-061B	28-02-2-115-LS2	UT	1-12-95	GEOMETRY
JAF-UT-061C	28-02-2-115-LS3	UT	1-12-95	GEOMETRY
JAF-UT-062	28-02-2-112	UT	1-12-95	GEOMETRY
JAF-UT-062A	28-02-2-112	UT	1-12-95	GEOMETRY
JAF-UT-085	28-02-2-34	UT	1-16-95	NRI
JAF-UT-085A	28-02-2-34	UT	1-16-95	GEOMETRY
JAF-UT-085B	28-02-2-34	UT	1-16-95	GEOMETRY
JAF-UT-085C	28-02-2-34-LS1	UT	1-16-95	NRI
JAF-UT-085D	28-02-2-34-LS1	UT	1-16-95	GEOMETRY
JAF-UT-085E	28-02-2-34-LS2	UT	1-16-95	NRI
JAF-UT-085F	28-02-2-34-LS2	UT	1-16-95	GEOMETRY

JET PUMP INSTRUMENTATION

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-UT-080	4-02-2-117	UT	1-18-95	GEOMETRY
JAF-UT-080A	4-02-2-117	UT	1-18-95	GEOMETRY
JAF-UT-081	N-8B-SE	UT	1-18-95	GEOMETRY
JAF-UT-081A	N-8B-SE	UT	1-18-95	GEOMETRY
JAF-UT-081B	N-8B-SE	UT	1-18-95	NRI
JAF-UT-081C	N-8B-SE	UT	1-18-95	GEOMETRY
JAF-UT-082	N-8B-SE-1	UT	1-18-95	GEOMETRY
JAF-UT-083	N-8B-SE-2	UT	1-18-95	GEOMETRY
JAF-UT-084	N-8B-SE-3	UT	1-18-95	GEOMETRY

CONTROL ROD DRIVE

<u>MT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-MT-016	10-03-37	MT	1-4-95	NRI
JAF-MT-017	10-03-38	MT	1-4-95	NRI
	10-03-39	MT	1-4-95	NRI
<u>UT</u>				
JAF-UT-016	N1B-IR	UT	12-28-94	NRI
JAF-UT-023	10-03-37	UT	1-4-95	NRI
	10-03-38	UT	1-4-95	NRI
JAF-UT-023A	10-03-37	UT	1-4-95	NRI
	10-03-38	UT	1-4-95	NRI
JAF-UT-023B	10-03-37	UT	1-4-95	NRI
	10-03-38	UT	1-4-95	NRI
JAF-UT-023C	10-03-37	UT	1-4-95	NRI
	10-03-38	UT	1-4-95	NRI
JAF-UT-024	10-03-39	UT	1-4-95	NRI
JAF-UT-024A	10-03-39	UT	1-4-95	NRI
JAF-UT-024B	10-03-39	UT	1-4-95	GEOMETRY

RESIDUAL HEAT REMOVAL

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-VT-002	10-13A-AS-107	VT-3	11-23-94	NRI
JAF-VT-009	10P-1B	VT-3	12-9-94	NRI
JAF-VT-036	SUP-1A	VT-3	1-16-95	NRI
JAF-VT-036A	SUP-2A	VT-3	1-16-95	NRI
JAF-VT-036B	SUP 3A	VT-3	1-16-95	NRI
JAF-VT-036C	SUP 4A	VT-3	1-16-95	NR
<u>MT</u>				
JAF-MT-001	16-10-1066	MT	11-23-94	LINEAR INDICATION
JAF-MT-001A	16-10-1066	MT	11-30-94	NRI
JAF-MT-002	14-10-1067	MT	11-29-94	NRI
JAF-MT-003	16-10-1061	MT	11-23-94	NRI
JAF-MT-011	20-10-626B	MT	12-8-94	LINEAR INDICATION
JAF-MT-011A	20-10-626B	MT	1-13-95	NRI
JAF-MT-011B	20-10-626A	MT	1-13-95	NRI
JAF-MT-032	24-10-133	MT	1-14-95	NRI
JAF-MT-033	N4-A	MT	1-16-95	NRI
JAF-MT-034	SUP-5A	MT	1-19-95	NRI
	SUP-6A	MT	1-19-95	NRI
<u>UT</u>				
JAF-UT-047	20-10-626A&B	UT	1-13-95	THICKNESS READINGS ONLY
JAF-UT-054	24-10-133	UT	1-14-95	NRI
JAF-UT-054A	24-10-133	UT	1-14-95	NRI
JAF-UT-054B	24-10-133	UT	1-14-95	BEAM REDIRECTION
JAF-UT-066	N4-A	UT	1-16-95	NRI
JAF-UT-066A	N4-A	UT	1-16-95	NRI

RESIDUAL HEAT REMOVAL

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-UT-066B	N4-A	UT	1-16-95	NRI
JAF-UT-066C	N4-A	UT	1-16-95	NRI
JAF-UT-091	24-10-132	UT	1-21-95	GEOMETRY
JAF-UT-091A	24-10-132	UT	1-21-95	GEOMETRY
JAF-UT-091B	24-10-132	UT	1-21-95	NRI
JAF-UT-092	24-10-131	UT	1-21-95	NRI
JAF-UT-092A	24-10-131	UT	1-21-95	NRI
JAF-UT-092B	24-10-131	UT	1-21-95	NRI
JAF-UT-093	24-10-130	UT	1-21-95	NRI
JAF-UT-093A	24-10-130	UT	1-21-95	NRI
JAF-UT-093B	24-10-130	UT	1-21-95	NRI

REACTOR WATER CLEANUP

<u>VI</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-VT-029	18-12-911C	VT-1	1-11-95	ARC STRIKES
JAF-VT-029A	18-12-911C	VT-1	1-17-95	NRI
<u>MT</u>				
JAF-MT-029	6-12-902	MT	1-11-95	NRI
	6-12-901B	MT	1-11-95	NRI
<u>UT</u>				
JAF-UT-053	6-12-902	UT	1-11-95	NRI
JAF-UT-053A	6-12-902	UT	1-11-95	GEOMETRY
JAF-UT-063	18-12-911C	UT	1-17-95	THICKNESS READINGS ONLY

REACTOR CORE ISOLATION COOLING

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-VT-003	13-MOV-21 BOLTING	VT	11-23-94	NRI
JAF-VT-007	13P1	VT	12-9-94	NRI
JAF-VT-008	13TU2	VT	12-9-95	NRI
JAF-VT-010	13-17A-AN-18	VT	12-9-94	NRI
JAF-VT-020	14-13-1040B	VT	12-19-95	ARC STRIKES
JAF-VT-020A	14-13-1040B	VT	12-29-95	NRI
JAF-VT-035	13-22-NN-14	VT	1-12-95	NRI
<u>MT</u>				
JAF-MT-013	8-13-1013	MT	12-20-94	NRI
<u>UT</u>				
JAF-UT-018	14-13-1040B	UT	12-29-94	THICKNESS READINGS ONLY

		<u>CORE SPRAY</u>			
		<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>	
<u>VT</u>	<u>COMPONENT</u>				
JAF-VT-005	12-14-750A	VT-1	12-6-94	NRI	
JAF-VT-017	20-14-491B	VT-1	12-16-94	NRI	
JAF-VT-018	20-14-512B	VT-1	12-16-94	NRI	
<u>MT</u>					
JAF-MT-006	12-14-834	MT	12-1-94	NRI	
JAF-MT-007	12-14-750A	MT	12-2-94	NRI	
JAF-MT-007A	12-14-750B	MT	1-2-95	NRI	
JAF-MT-008	8-14-779	MT	12-2-94	LINEAR INDICATION	
JAF-MT-008A	8-14-779	MT	12-9-94	LINEAR INDICATION	
JAF-MT-008B	8-14-779	MT	12-15-94	MAG. PERMEABILITY	
JAF-MT-026	10-14-506	MT	1-10-95	NRI	
JAF-MT-027	10-14-487	MT	1-10-95	NRI	
<u>PT</u>					
JAF-PT-002	8-14-779	PT	12-13-94	MT INDICATION ONLY (JAF-MT-008)	
JAF-PT-002A	8-14-779	PT	12-21-94	NRI	
JAF-PT-006	10-14-480	PT	1-10-95	NRI	
JAF-PT-007	10-14-481	PT	1-10-95	NRI	
<u>UT</u>					
JAF-UT-002	12-14-834	UT	12-2-94	NRI	
JAF-UT-002A	12-14-834	UT	12-2-94	GEOMETRY	
JAF-UT-002B	12-14-834	UT	12-2-94	NRI	
JAF-UT-004	8-14-779	UT	12-5-94	NRI	
JAF-UT-004A	8-14-779	UT	12-5-94	NRI	
JAF-UT-004B	8-14-779	UT	12-5-94	NRI	
JAF-UT-004C	8-14-779	UT	12-6-94	LINEAR INDICATION	

CORE SPRAY

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-UT-004D	8-14-779	UT	12-21-94	NRI
JAF-UT-004E	8-14-779	UT	12-13-94	NRI, EVALUATION
JAF-UT-004F	8-14-779	UT	12-13-94	NRI, EVALUATION
JAF-UT-004G	8-14-779	UT	12-9-94	THICKNESS READINGS ONLY
JAF-UT-004H	8-14-779	UT	12-15-94	EVALUATION LETTER
JAF-UT-044	10-14-480	UT	1-10-95	NRI
JAF-UT-044A	10-14-480	UT	1-10-95	GEOMETRY
JAF-UT-045	10-14-506	UT	1-10-95	NRI
JAF-UT-045A	10-14-506	UT	1-10-95	GEOMETRY
JAF-UT-045B	10-14-506	UT	1-10-95	GEOMETRY
JAF-UT-046	10-14-487	UT	1-10-95	NRI
JAF-UT-046A	10-14-487	UT	1-10-95	GEOMETRY
JAF-UT-046B	10-14-487	UT	1-11-95	NRI
JAF-UT-055	10-14-481	UT	1-10-95	NRI
JAF-UT-055A	10-14-481	UT	1-10-95	NRI
JAF-UT-055B	10-14-481	UT	1-10-95	GEOMETRY

FUEL POOL

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-VT-025	PFSK-2368	VT-3	1-3-95	NRI

HIGH PRESSURE COOLANT INJECTION

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-VT-001	23-3-NS-37	VT-3	11-21-94	NRI
JAF-VT-019	23-23-671A	VT-1	12-19-94	ARC STRIKES
JAF-VT-019A	23-23-671A	VT-1	12-29-94	NRI
<u>MT</u>				
JAF-MT-004	16-23-541	MT	11-29-94	NRI
	16-23-542	MT	11-29-94	RI; ACCEPTABLE
JAF-MT-005	20-23-499	MT	12-1-94	NRI
	20-23-499	MT	12-1-94	NRI
	20-23-500	MT	12-1-94	NRI
JAF-MT-009	10-23-688	MT	12-6-94	NRI
	10-23-689	MT	12-6-94	NRI
JAF-MT-010	20-23-509	MT	12-7-94	NRI
	20-23-510	MT	12-7-94	NRI
JAF-MT-022	10-23-695	MT	1-7-95	NRI
JAF-MT-028	10-23-664A	MT	1-11-95	NRI
<u>UT</u>				
JAF-UT-001	20-23-497	UT	12-1-94	THICKNESS READINGS ONLY
JAF-UT-017	23-23-671A	UT	12-29-94	THICKNESS READINGS ONLY
JAF-UT-019	10-23-688	UT	12-1-94	NRI
JAF-UT-019A	10-23-688	UT	12-29-94	NRI
JAF-UT-019B	10-23-688	UT	12-29-94	GEOMETRY
JAF-UT-019C	10-23-688	UT	12-29-94	NRI
JAF-UT-020	10-23-689	UT	12-7-94	NRI
JAF-UT-020A	10-23-689	UT	12-29-94	NRI
JAF-UT-020B	10-23-689	UT	12-29-94	GEOMETRY
JAF-UT-036	10-23-695	UT	1-7-95	NRI

HIGH PRESSURE COOLANT INJECTION

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-UT-036A	10-23-695	UT	1-7-95	NRI
JAF-UT-036B	10-23-695	UT	1-7-95	NRI

MAIN STEAM

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-VT-023	37-29-573C	VT-1	12-28-94	ARC STRIKES
JAF-VT-023A	37-29-573C	VT-1	1-3-95	NRI
JAF-VT-24	37-29-542C	VT-1	12-28-94	ARC STRIKES
JAF-VT-24A	37-29-542C	VT-1	1-3-95	NRI
<u>MT</u>				
JAF-MT-012	24-29-538	MT	12-9-94	NRI
	24-29-539	MT	12-9-94	LINEAR INDICATION
JAF-MT-012A	24-29-539	MT	1-2-95	NRI
JAF-MT-018	N-3A-SE	MT	1-7-95	NRI
JAF-MT-019	N-3B-SE	MT	1-7-95	NRI
JAF-MT-035	6-29-586	MT	1-18-95	NRI
	24-49-585	MT	1-18-95	NRI
	24-29-588	MT	1-18-95	NRI
JAF-MT-036	6-29-524	MT	1-18-95	NRI
	24-29-523	MT	1-18-95	NRI
JAF-MT-037	6-29-561	MT	1-21-95	NRI
	24-49-552	MT	1-21-95	NRI
	24-29-553	MT	1-21-95	NRI
	24-29-559	MT	1-21-95	NRI
	24-29-560	MT	1-21-95	NRI
<u>UT</u>				
JAF-UT-009	24-29-538	UT	12-9-94	GEOMETRY
	24-29-539	UT	12-9-94	GEOMETRY
JAF-UT-009A	24-29-539	UT	1-2-95	THICKNESS READINGS ONLY
JAF-UT-021	37-29-542C	UT	1-3-95	THICKNESS READINGS ONLY
JAF-UT-022	37-29-573C	UT	1-3-95	THICKNESS READINGS ONLY
JAF-UT-032	24-A106-1.32	UT	1-6-95	THICKNESS READINGS ONLY

MAIN STEAM

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-UT-033	N-3A-SE	UT	1-7-95	NRI
	N-3B-SE	UT	1-7-95	NRI
JAF-UT-033A	N-3A-SE	UT	1-7-95	NRI
	N-3B-SE	UT	1-7-95	NRI
JAF-UT-067	24-29-523	UT	1-19-95	NRI
JAF-UT-068	6-29-524	UT	1-19-95	NRI
	6-29-586	UT	1-19-95	NRI
JAF-UT-069	24-29-585	UT	1-18-95	NRI
	24-29-588	UT	1-18-95	NRI
JAF-UT-086	6-29-561	UT	1-21-95	NRI
JAF-UT-087	24-29-560	UT	1-21-95	NRI
	24-29-552	UT	1-21-95	NRI
JAF-UT-088	24-29-553	UT	1-21-95	GEOMETRY
JAF-UT-089	24-29-559	UT	1-21-95	GEOMETRY

FEEDWATER

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-VT-026	34FWS-029A	VT-1	1-6-95	NRI
JAF-VT-028	34-5C-AN-8	VT-3/VT-4	1-9-95	NRI
<u>MT</u>				
JAF-MT-020	18-34-423	MT	1-7-95	NRI
	18-34-425	MT	1-7-95	NRI
JAF-MT-021	18-34-391	MT	1-7-95	RI, ACCEPTABLE
JAF-MT-023	12-34-371	MT	1-9-95	NRI
JAF-MT-024	12-34-406	MT	1-9-95	NRI
	12-34-407	MT	1-9-95	NRI
	12-34-408	MT	1-9-95	NRI
	12-34-409	MT	1-9-95	NRI
	12-34-416	MT	1-9-95	NRI
JAF-MT-025	12-34-370	MT	1-9-95	RI, ACCEPTABLE
<u>UT</u>				
JAF-UT-034	18-34-423	UT	1-7-95	NRI
JAF-UT-034A	18-34-423	UT	1-7-95	GEOMETRY
JAF-UT-035	18-34-425	UT	1-7-95	NRI
JAF-UT-035A	18-34-425	UT	1-7-95	GEOMETRY
JAF-UT-037	18-34-391	UT	1-9-95	NRI
JAF-UT-037A	18-34-391	UT	1-9-95	GEOMETRY
JAF-UT-038	18-34-408	UT	1-9-95	NRI
	18-34-416	UT	1-9-95	NRI
JAF-UT-038A	18-34-408	UT	1-9-95	NRI
	18-34-416	UT	1-9-95	NRI
JAF-UT-039	12-34-409	UT	1-9-95	NRI
JAF-UT-039A	12-34-409	UT	1-9-95	NRI
JAF-UT-040	12-34-370	UT	1-9-95	NRI
JAF-UT-040A	12-34-370	UT	1-9-95	GEOMETRY

FEEDWATER

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-UT-040B	12-34-370	UT	1-9-95	GEOMETRY
JAF-UT-041	12-34-371	UT	1-9-95	NRI
JAF-UT-041A	12-34-371	UT	1-9-95	NRI
JAF-UT-042	12-34-407	UT	1-9-95	NRI
JAF-UT-042A	12-34-407	UT	1-9-95	GEOMETRY
JAF-UT-043	12-34-406	UT	1-9-95	NRI
JAF-UT-043A	12-34-406	UT	1-9-95	GEOMETRY

EMERGENCY SERVICE WATER

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>RESULTS</u>
JAF-VT-006	H46-174	VT	12-8-94	NRI
JAF-VT-034	46-P2A	VT	1-13-95	NRI

Limited Examination Listing

The following are the percentages of complete coverage achieved for the examinations performed.

REACTOR PRESSURE VESSEL

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-VT-004	CLOSURE HEAD BUSHINGS 38,39,40 & 41	VT-1	12-3-94	100
JAF-VT-011	N-TH-C 12 BOLTS & 24 NUTS	VT-1	12-12-94	100
JAF-VT-012	N-TH-A 12 BOLTS & 24 NUTS	VT-1	12-12-94	100
JAF-VT-013	DHDB-1 41°	VT-3	12-12-94	100
JAF-VT-013A	DHDB-1 41°	VT-1	12-12-94	100
JAF-VT-014	DHDB-2 138°	VT-3	12-12-94	100
JAF-VT-014A	DHDB-2 138°	VT-1	12-12-94	100
JAF-VT-015	DHDB-3 221°	VT-3	12-12-94	100
JAF-VT-015A	DHDB-3 221°	VT-1	12-12-94	100
JAF-VT-016	DHDB-4 318°	VT-3	12-12-94	100
JAF-VT-016A	DHDB-4 318°	VT-1	12-12-94	100
JAF-VT-021	CLOSURE HEAD WASHER 1 THRU 52	VT-1	12-28-94	100
JAF-VT-022	CLOSURE HEAD NUTS 1 THRU 52 (INSIDE TREADS ONLY)	VT-1	12-28-94	100
JAF-VT-030	N-11A-SE	VT-1	1-12-95	100
JAF-VT-030A	N-11A-SE	VT-1	1-13-95	100
JAF-VT-031	N-11B-SE	VT-1	1-11-95	100
JAF-VT-032	N-12A-SE	VT-1	1-11-95	100
JAF-VT-033	N-12B-SE	VT-1	1-11-95	100

REACTOR PRESSURE VESSEL

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-VT-037	N-16A-SE	VT-1	1-18-95	100
	N-16B-SE	VT-1	1-18-95	100
JAF-VT-038	VC-SKC (INSIDE SURFACE)	VT-1	1-21-95	100
JAF-VT-039	STABILIZER-1	VT-1	1-21-95	75
JAF-VT-040	STABILIZER-2	VT-1	1-21-95	75
JAF-VT-041	STABILIZER-3	VT-1	1-21-95	75
JAF-VT-042	STABILIZER-4	VT-1	1-21-95	75
<u>MT</u>				
JAF-MT-014	CLOSURE HEAD NUTS 1 THRU 52 (OUTSIDE SURFACES ONLY)	MT	12-28-94	100
JAF-MT-015	CLOSURE HEAD STUDS 38,39,40&41	MT	12-28-94	100
JAF-MT-015A	CLOSURE HEAD STUDS 38,39,40&41	MT	12-28-94	100
JAF-MT-038	STABILIZER 1, 2, 3 & 4	MT	1-21-95	34
<u>PT</u>				
JAF-PT-010	N-11A-SE	PT	1-13-95	100
JAF-PT-010A	N-11B-SE	PT	1-11-95	100
	N-12A-SE	PT	1-11-95	100
	N-12B-SE	PT	1-11-95	100
JAF-PT-012	N-16A-SE	PT	1-17-95	100
	N-16B-SE	PT	1-17-95	100
JAF-PT-013	CRD HOUSINGS			
	V8	PT	1-20-95	100
	U1	PT	1-20-95	100
	V1	PT	1-20-95	100
	V7	PT	1-20-95	100
	U4	PT	1-20-95	100
	V6	PT	1-20-95	100

REACTOR PRESSURE VESSEL

<u>PT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-PT-013A	CRD HOUSINGS			
	V2	PT	1-20-95	100
	U2	PT	1-20-95	100
	V3	PT	1-20-95	100
	V4	PT	1-20-95	100
	U3	PT	1-20-95	100
	V5	PT	1-20-95	100
<u>UT</u>				
JAF-UT-003	VC-F-1 (FROM FACE)	UT	12-3-94	92.2
JAF-UT-003A	VC-F-1 (FROM FACE)	UT	12-3-94	92.2
JAF-UT-012	VC-TH-1-2	UT	12-9-94	N/A
JAF-UT-012A	VC-TH-1-2	UT	12-9-94	N/A
JAF-UT-012B	VC-TH-1-2	UT	12-15-94	N/A
JAF-UT-012C	VC-TH-1-2	UT	12-15-94	N/A
JAF-UT-013	CLOSURE HEAD STUDS 16 THRU 41 (16 THRU 37 WERE IN PLACE)	UT	12-23-94	100
JAF-UT-014	N3A	UT	12-20-94	100
	N3B	UT	12-20-94	100
JAF-UT-014A	N3A	UT	12-21-94	100
	N3B	UT	12-21-94	100
JAF-UT-014B	N3A	UT	12-21-94	100
	N3B	UT	12-21-94	100
JAF-UT-015	N-3A-IR	UT	12-20-94	100
	N-3B-IR	UT	12-20-94	100
JAF-UT-059	N-11A-SE	UT	1-13-95	N/A; THICKNESS READINGS ONLY
JAF-UT-064	N1B	UT	1-9-95	35.8
JAF-UT-064A	N1B	UT	1-9-95	35.8

REACTOR PRESSURE VESSEL

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-UT-064B	N1B	UT	1-9-95	35.8
JAF-UT-064C	N1B	UT	1-20-95	35.8
JAF-UT-065	N-1B-IR	UT	1-10-95	100
JAF-UT-070	N-2B-IR	UT	1-7-95	100
JAF-UT-070A	N2B	UT	1-9-95	62.6
JAF-UT-070B	N2B	UT	1-7-95	62.6
JAF-UT-070C	N2B	UT	1-7-95	62.6
JAF-UT-070D	N2B	UT	1-20-95	62.6
JAF-UT-071	N-2E-IR	UT	1-7-95	100
JAF-UT-071A	N2E	UT	1-9-95	62.6
JAF-UT-071B	N2E	UT	1-9-95	62.6
JAF-UT-071C	N2E	UT	1-9-95	62.6
JAF-UT-071D	N2E	UT	1-20-95	62.6
JAF-UT-072	N-2H-IR	UT	1-5-95	100
JAF-UT-072A	N2H	UT	1-9-95	62.6
JAF-UT-072B	N2H	UT	1-9-95	62.6
JAF-UT-072C	N2H	UT	1-9-95	62.6
JAF-UT-072D	N2H	UT	1-20-95	62.6
JAF-UT-073	N-2K-IR	UT	1-5-95	100
JAF-UT-073A	N2K	UT	1-9-95	62.6
JAF-UT-073B	N2K	UT	1-9-95	62.6
JAF-UT-073C	N2K	UT	1-9-95	62.6
JAF-UT-073D	N2K	UT	1-20-95	62.6
JAF-UT-074	VC-1-2 DOOR W-7	UT	1-13-95	100 OF ACCESSIBLE AREA

REACTOR PRESSURE VESSEL

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-UT-074A	VC-1-2 DOOR W-7	UT	1-13-95	100 OF ACCESSIBLE AREA
JAF-UT-074B	VC-1-2 DOOR W-7	UT	1-13-95	100 OF ACCESSIBLE AREA
JAF-UT-075	N4A	UT	1-13-95	70.4
JAF-UT-075A	N4A	UT	1-13-95	70.4
JAF-UT-075B	N4A	UT	1-13-95	70.4
JAF-UT-075C	N4A	UT	1-23-95	70.4
JAF-UT-076	N4B	UT	1-13-95	70.4
JAF-UT-076A	N4B	UT	1-13-95	70.4
JAF-UT-076B	N4B	UT	1-13-95	70.4
JAF-UT-076C	N4B	UT	1-23-95	70.4
JAF-UT-077	N4C	UT	1-13-95	70.4
JAF-UT-077A	N4C	UT	1-13-95	70.4
JAF-UT-077B	N4C	UT	1-13-95	70.4
JAF-UT-077C	N4C	UT	1-23-95	70.4
JAF-UT-078	N4D	UT	1-13-95	70.4
JAF-UT-078A	N4D	UT	1-13-95	70.4
JAF-UT-078B	N4D	UT	1-13-95	70.4
JAF-UT-078C	N4D	UT	1-23-95	70.4
JAF-UT-079	N-5A-IR	UT	1-13-95	100
JAF-UT-079A	N5A	UT	1-13-95	70.3
JAF-UT-079B	N5A	UT	1-13-95	70.3
JAF-UT-079C	N5A	UT	1-13-95	70.3
JAF-UT-079D	N5A	UT	1-23-95	70.3

REACTOR PRESSURE VESSEL

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-UT-090	VC-2-3 (DOOR W-1)	UT	1-16-95	100 OF ACCESSIBLE AREA
JAF-UT-090A	VC-2-3 (DOOR W-1)	UT	1-16-95	100 OF ACCESSIBLE AREA
JAF-UT-090B	VC-2-3 (DOOR W-1)	UT	1-16-95	100 OF ACCESSIBLE AREA
JAF-UT-094	VC-F-1 (90° THRU 270° FROM O.D.)	UT	1-18-95	92.2
JAF-UT-094A	VC-F-1 (90° THRU 270° FROM O.D.)	UT	1-18-95	92.2
JAF-UT-094B	VC-F-1 (90° THRU 270° FROM O.D.)	UT	1-18-95	92.2
JAF-UT-094C	VC-F-1 (90° THRU 270° FROM O.D.)	UT	1-18-95	92.2
JAF-UT-095	VC-3-4 VV-3B (DOOR W-13)	UT	1-17-95	100 OF ACCESSIBLE AREA
JAF-UT-095A	VV-3-4 VV-3B (DOOR W-13)	UT	1-17-95	100 OF ACCESSIBLE AREA
JAF-UT-095B	VC-3-4 (DOOR W-13)	UT	1-17-95	100 OF ACCESSIBLE AREA
JAF-UT-095C	VV-3B (DOOR W-13)	UT	1-17-95	100 OF ACCESSIBLE AREA
JAF-UT-095D	VC-3-4 VV-3C (DOOR W-4)	UT	1-17-95	100 OF ACCESSIBLE AREA
JAF-UT-095E	VC-3-4 VV-3C (DOOR W-4)	UT	1-17-95	100 OF ACCESSIBLE AREA

REACTOR PRESSURE VESSEL

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-UT-095F	VC-3-4 (DOOR W-4)	UT	1-17-95	100 OF ACCESSIBLE AREA
JAF-UT-095G	VV-3C (DOOR W-4)	UT	1-17-95	100 OF ACCESSIBLE AREA
JAF-UT-096	N-8B-IR	UT	1-19-95	100
JAF-UT-096A	N8B	UT	1-19-95	93.8
JAF-UT-096B	N8B	UT	1-19-95	93.8
JAF-UT-096C	N8B	UT	1-19-95	93.8
JAF-UT-096D	N8B	UT	1-23-95	93.8
JAF-UT-097	VC-BH-1-2 (15°-90°)	UT	1-23-95	50
JAF-UT-097A	VC-BH-1-2 (90°-15°)	UT	1-24-95	50
JAF-UT-097B	VC-BH-1-2 (15°-90°)	UT	1-23-95	50
JAF-UT-097C	VC-BH-1-2 (90°-15°)	UT	1-24-95	50
JAF-UT-097D	VC-BH-1-2 (15°-90°)	UT	1-23-95	50
JAF-UT-097E	VC-BH-1-2 (90°-15°)	UT	1-24-95	50
JAF-UT-098	VV-BH-1A	UT	1-23-95	100 OF ACCESSIBLE AREA
JAF-UT-098A	VV-BH-1B	UT	1-23-95	100 OF ACCESSIBLE AREA
JAF-UT-098B	VV-BH-1A VV-BH-1B	UT	1-23-95	100 OF ACCESSIBLE AREA
JAF-UT-098C	VV-BH-1A VV-BH-1B	UT	1-23-95	100 OF ACCESSIBLE AREA

RECIRCULATION SYSTEM

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-VT-027	02-2-1A-AN-014	VT-3/VT-4	1-9-95	100
JAF-VT-027A	02-2-1A-AN-014	VT-3/VT-4	1-20-95	100

PT

JAF-PT-001	12-02-2-77	PT	12-6-94	100
JAF-PT-001	12-02-2-77-LS2	PT	12-6-94	100
JAF-PT-001A	12-02-2-77-LS1	PT	1-4-95	100
JAF-PT-003	N-2D-SE	PT	1-4-95	100
JAF-PT-004	12-02-2-8-LS2	PT	1-6-95	100
JAF-PT-005	12-02-2-8-LS1	PT	1-4-95	100
JAF-PT-008	22-02-2-86-LS1	PT	1-12-95	100
JAF-PT-008A	22-02-2-86	PT	1-12-95	100
	22-02-2-87	PT	1-12-95	100
	22-02-2-87-LS1	PT	1-12-95	100
JAF-PT-009	28-02-2-111	PT	1-12-95	100
	28-02-2-111-LS1	PT	1-12-95	100
	28-02-2-111-LS2	PT	1-12-95	100
	28-02-2-111-LS3	PT	1-12-95	100
	28-02-2-115	PT	1-12-95	100
	28-02-2-115-LS2	PT	1-12-95	100
	28-02-2-115-LS3	PT	1-12-95	100
JAF-PT-009A	28-02-2-115-LS1	PT	1-12-95	100
JAF-PT-011	28-02-2-34	PT	1-14-95	100
	28-02-2-34-LS1	PT	1-14-95	100
	28-02-2-34-LS2	PT	1-14-95	100

UT

JAF-UT-005	12-02-2-17	UT	12-6-94	100
JAF-UT-005A	12-02-2-17	UT	12-6-94	100
JAF-UT-005B	12-02-2-17	UT	12-7-94	100
JAF-UT-006	12-02-2-81	UT	12-6-94	100
	12-02-2-77	UT	12-6-94	100

RECIRCULATION SYSTEM

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-UT-006A	12-02-2-81	UT	12-6-94	100
	12-02-2-77	UT	12-6-94	100
JAF-UT-006B	12-02-2-81	UT	12-6-94	100
JAF-UT-006C	12-02-2-81	UT	12-6-94	100
JAF-UT-006D	12-02-2-77-LS2	UT	12-6-94	100
JAF-UT-006E	12-02-2-77-LS2	UT	12-6-94	100
JAF-UT-006F	12-02-2-77-LS1	UT	1-5-95	100
JAF-UT-010	12-02-2-2	UT	12-6-94	100
JAF-UT-010A	12-02-2-2	UT	12-6-94	100
JAF-UT-011	12-02-2-7	UT	12-6-94	100
JAF-UT-011A	12-02-2-7	UT	12-6-94	100
JAF-UT-025	N-1-B-SE	UT	1-4-95	100
JAF-UT-025A	N-1-B-SE	UT	1-4-95	85.2
JAF-UT-025B	N-1-B-SE	UT	1-4-95	85.2
JAF-UT-025C	N-1-B-SE	UT	1-4-95	85.2
JAF-UT-025D	N-1-B-SE	UT	1-4-95	85.2
JAF-UT-025E	N-1-B-SE	UT	1-4-95	85.2
JAF-UT-025F	N-1-B-SE	UT	1-4-95	85.2
JAF-UT-026	28-02-2-49	UT	1-5-95	100
JAF-UT-027	12-02-2-8-LS1	UT	1-5-95	100
JAF-UT-027A	12-02-2-8-LS2	UT	1-5-95	100
JAF-UT-028	28-02-2-48	UT	1-6-95	100
JAF-UT-029	12-02-2-1	UT	1-6-95	100
	12-02-2-8	UT	1-6-95	100
	12-02-2-70	UT	1-6-95	100
	12-02-2-76	UT	1-6-95	100

RECIRCULATION SYSTEM

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-UT-030	12-02-2-65	UT	1-6-95	100
JAF-UT-031	N-2A-SE	UT	1-4-95	88.75
JAF-UT-031A	N-2B-SE	UT	1-4-95	88.75
JAF-UT-031B	N-2E-SE	UT	1-4-95	88.75
JAF-UT-031C	N-2H-SE	UT	1-4-95	88.75
JAF-UT-031D	N-2K-SE	UT	1-4-95	88.75
JAF-UT-031E	N-2A-SE	UT	1-4-95	88.75
	N-2B-SE	UT	1-4-95	88.75
	N-2E-SE	UT	1-4-95	88.75
	N-2H-SE	UT	1-4-95	88.75
	N-2K-SE	UT	1-4-95	88.75
JAF-UT-031F	N-2A-SE	UT	1-4-95	88.75
	N-2B-SE	UT	1-4-95	88.75
	N-2E-SE	UT	1-4-95	88.75
	N-2H-SE	UT	1-4-95	88.75
	N-2K-SE	UT	1-4-95	88.75
JAF-UT-031G	N-2A-SE	UT	1-4-95	88.75
	N-2B-SE	UT	1-4-95	88.75
	N-2E-SE	UT	1-4-95	88.75
	N-2H-SE	UT	1-4-95	88.75
	N-2K-SE	UT	1-4-95	88.75
JAF-UT-031H	N-2A-SE	UT	1-4-95	100
	N-2B-SE	UT	1-4-95	100
	N-2E-SE	UT	1-4-95	100
	N-2H-SE	UT	1-4-95	100
	N-2K-SE	UT	1-4-95	100
JAF-UT-031I	N-2A-SE	UT	1-4-95	88.75
	N-2B-SE	UT	1-4-95	88.75
	N-2E-SE	UT	1-4-95	88.75
	N-2H-SE	UT	1-4-95	88.75
	N-2K-SE	UT	1-4-95	88.75
JAF-UT-031J	N-2A-SE	UT	1-4-95	88.75
	N-2B-SE	UT	1-4-95	88.75
	N-2E-SE	UT	1-4-95	88.75
	N-2H-SE	UT	1-4-95	88.75
	N-2K-SE	UT	1-4-95	88.75

RECIRCULATION SYSTEM

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-UT-048	28-02-2-52	UT	1-13-95	100
JAF-UT-049	12-02-2-15	UT	1-13-95	100
JAF-UT-050	22-02-2-22	UT	1-10-95	100
JAF-UT-051	28-02-2-113	UT	1-13-95	100
JAF-UT-052	28-02-2-54	UT	1-10-95	90.3
JAF-UT-052A	28-02-2-54	UT	1-10-95	90.3
JAF-UT-052B	28-02-2-54	UT	1-10-95	90.3
JAF-UT-056	12-02-2-4	UT	1-11-95	81.3
JAF-UT-056A	12-02-2-4	UT	1-11-95	81.3
JAF-UT-057	22-02-2-86	UT	1-13-95	63.75
JAF-UT-057A	22-02-2-86	UT	1-13-95	63.75
JAF-UT-057B	22-02-2-86	UT	1-13-95	63.75
JAF-UT-057C	22-02-2-86-LS1	UT	1-13-95	100
JAF-UT-057D	22-02-2-86-LS1	UT	1-13-95	100
JAF-UT-058	22-02-2-87	UT	1-13-95	63.75
JAF-UT-058A	22-02-2-87	UT	1-13-95	63.75
JAF-UT-058B	22-02-2-87	UT	1-13-95	63.75
JAF-UT-058C	22-02-2-87-LS1	UT	1-13-95	100
JAF-UT-058D	22-02-2-87-LS1	UT	1-13-95	100
JAF-UT-060	28-02-2-111	UT	1-12-95	100
JAF-UT-060A	28-02-2-111-LS1	UT	1-12-95	98.66
JAF-UT-060B	28-02-2-111-LS2	UT	1-12-95	100
JAF-UT-060C	28-02-2-111-LS3	UT	1-12-95	100
JAF-UT-061	28-02-2-115	UT	1-12-95	100

RECIRCULATION SYSTEM

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-UT-061A	28-02-2-115-LS1	UT	1-12-95	100
JAF-UT-061B	28-02-2-115-LS2	UT	1-12-95	100
JAF-UT-061C	28-02-2-115-LS3	UT	1-12-95	100
JAF-UT-062	28-02-2-112	UT	1-12-95	88.4
JAF-UT-062A	28-02-2-112	UT	1-12-95	88.4
JAF-UT-085	28-02-2-34	UT	1-16-95	91.9
JAF-UT-085A	28-02-2-34	UT	1-16-95	91.9
JAF-UT-085B	28-02-2-34	UT	1-16-95	91.9
JAF-UT-085C	28-02-2-34-LS1	UT	1-16-95	100
JAF-UT-085D	28-02-2-34-LS1	UT	1-16-95	100
JAF-UT-085E	28-02-2-34-LS2	UT	1-16-95	100
JAF-UT-085F	28-02-2-34-LS2	UT	1-16-95	100

JET PUMP INSTRUMENTATION

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-UT-080	4-02-2-117	UT	1-18-95	63.35
JAF-UT-080A	4-02-2-117	UT	1-18-95	63.35
JAF-UT-081	N-8B-SE	UT	1-18-95	94
JAF-UT-081A	N-8B-SE	UT	1-18-95	94
JAF-UT-081B	N-8B-SE	UT	1-18-95	94
JAF-UT-081C	N-8B-SE	UT	1-18-95	94
JAF-UT-082	N-8B-SE-1	UT	1-18-95	62.68
JAF-UT-083	N-8B-SE-2	UT	1-18-95	100
JAF-UT-084	N-8B-SE-3	UT	1-18-95	68.85

CONTROL ROD DRIVE

<u>MT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-MT-016	10-03-37	MT	1-4-95	100
JAF-MT-017	10-03-38	MT	1-4-95	100
	10-03-39	MT	1-4-95	100
<u>UT</u>				
JAF-UT-016	N1B-IR	UT	12-28-94	100
JAF-UT-023	10-03-37	UT	1-4-95	100
	10-03-38	UT	1-4-95	100
JAF-UT-023A	10-03-37	UT	1-4-95	100
	10-03-38	UT	1-4-95	100
JAF-UT-023B	10-03-37	UT	1-4-95	100
	10-03-38	UT	1-4-95	100
JAF-UT-023C	10-03-37	UT	1-4-95	100
	10-03-38	UT	1-4-95	100
JAF-UT-024	10-03-39	UT	1-4-95	100
JAF-UT-024A	10-03-39	UT	1-4-95	100
JAF-UT-024B	10-03-39	UT	1-4-95	100

RESIDUAL HEAT REMOVAL

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-VT-002	10-13A-AS-107	VT-3	11-23-94	100
JAF-VT-009	10P-1B	VT-3	12-9-94	100
JAF-VT-036	SUP-1A	VT-3	1-16-95	100
JAF-VT-036A	SUP-2A	VT-3	1-16-95	100
JAF-VT-036B	SUP 3A	VT-3	1-16-95	100
JAF-VT-036C	SUP 4A	VT-3	1-16-95	100
<u>MT</u>				
JAF-MT-001	16-10-1066	MT	11-23-94	100
JAF-MT-001A	16-10-1066	MT	11-30-94	100
JAF-MT-002	14-10-1067	MT	11-29-94	100
JAF-MT-003	16-10-1061	MT	11-23-94	100
JAF-MT-011	20-10-626B	MT	12-8-94	100
JAF-MT-011A	20-10-626B	MT	1-13-95	100
JAF-MT-011B	20-10-626A	MT	1-13-95	100
JAF-MT-032	24-10-133	MT	1-14-95	100
JAF-MT-033	N4-A	MT	1-16-95	100
JAF-MT-034	SUP-5A	MT	1-19-95	56
	SUP-6A	MT	1-19-95	56
<u>UT</u>				
JAF-UT-047	20-10-626A&B	UT	1-13-95	N/A; THICKNESS READINGS ONLY
JAF-UT-054	24-10-133	UT	1-14-95	100
JAF-UT-054A	24-10-133	UT	1-14-95	100
JAF-UT-054B	24-10-133	UT	1-14-95	100
JAF-UT-066	N4-A	UT	1-16-95	8.3

RESIDUAL HEAT REMOVAL

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-UT-066A	N4-A	UT	1-16-95	70.3
JAF-UT-066B	N4-A	UT	1-16-95	70.3
JAF-UT-066C	N4-A	UT	1-16-95	70.3
JAF-UT-091	24-10-132	UT	1-21-95	80.3
JAF-UT-091A	24-10-132	UT	1-21-95	80.3
JAF-UT-091B	24-10-132	UT	1-21-95	80.3
JAF-UT-092	24-10-131	UT	1-21-95	100
JAF-UT-092A	24-10-131	UT	1-21-95	100
JAF-UT-092B	24-10-131	UT	1-21-95	100
JAF-UT-093	24-10-130	UT	1-21-95	100
JAF-UT-093A	24-10-130	UT	1-21-95	100
JAF-UT-093B	24-10-130	UT	1-21-95	100

REACTOR WATER CLEANUP

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-VT-029	18-12-911C	VT-1	1-11-95	100
JAF-VT-029A	18-12-911C	VT-1	1-17-95	100
<u>MT</u>				
JAF-MT-029	6-12-902	MT	1-11-95	100
	6-12-901B	MT	1-11-95	100
<u>UT</u>				
JAF-UT-053	6-12-902	UT	1-11-95	100
JAF-UT-053A	6-12-902	UT	1-11-95	100
JAF-UT-063	18-12-911C	UT	1-17-95	N/A; THICKNESS READINGS ONLY

REACTOR CORE ISOLATION COOLING

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-VT-003	13-MOV-21 BOLTING	VT	11-23-94	100
JAF-VT-007	13P1	VT	12-9-94	100
JAF-VT-008	13TU2	VT	12-9-94	100
JAF-VT-010	13-17A-AN-18	VT	12-9-94	100
JAF-VT-020	14-13-1040B	VT	12-19-94	100
JAF-VT-020A	14-13-1040B	VT	12-29-94	100
JAF-VT-035	13-22-NN-14	VT	1-12-95	33
<u>MT</u>				
JAF-MT-013	8-13-1013	MT	12-20-94	100
<u>UT</u>				
JAF-UT-018	14-13-1040B	UT	12-30-94	N/A; THICKNESS READINGS ONLY

CORE SPRAY

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-VT-005	12-14-750A	VT-1	12-16-94	100
JAF-VT-017	20-14-491B	VT-1	12-16-94	100
JAF-VT-018	20-14-512B	VT-1	12-16-94	100
<u>MT</u>				
JAF-MT-006	12-14-834	MT	12-1-94	100
JAF-MT-007	12-14-750A	MT	12-2-94	86.1
JAF-MT-007A	12-14-750B	MT	1-2-95	97.0
JAF-MT-008	8-14-779	MT	12-2-94	100
JAF-MT-008A	8-14-779	MT	12-9-94	100
JAF-MT-008B	8-14-779	MT	12-15-94	100
JAF-MT-026	10-14-506	MT	1-10-95	100
JAF-MT-027	10-14-487	MT	1-10-95	100
<u>PT</u>				
JAF-PT-002	8-14-779	PT	12-13-94	N/A
JAF-PT-002A	8-14-779	PT	12-21-94	100
JAF-PT-006	10-14-480	PT	1-10-95	100
JAF-PT-007	10-14-481	PT	1-10-95	100
<u>UT</u>				
JAF-UT-002	12-14-834	UT	12-2-94	100
JAF-UT-002A	12-14-834	UT	12-2-94	100
JAF-UT-002B	12-14-834	UT	12-2-94	100
JAF-UT-004	8-14-779	UT	12-5-94	100
JAF-UT-004A	8-14-779	UT	12-5-94	100
JAF-UT-004B	8-14-779	UT	12-5-94	100

CORE SPRAY

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-UT-004C	8-14-779	UT	12-6-94	100
JAF-UT-004D	8-14-779	UT	12-21-94	100
JAF-UT-004E	8-14-779	UT	12-13-94	N/A
JAF-UT-004F	8-14-779	UT	12-13-94	N/A
JAF-UT-004G	8-14-779	UT	12-9-94	N/A, THICKNESS READINGS ONLY
JAF-UT-004H	8-14-779	UT	12-15-94	N/A
JAF-UT-044	10-14-480	UT	1-10-95	100
JAF-UT-044A	10-14-480	UT	1-10-95	100
JAF-UT-045	10-14-506	UT	1-10-95	100
JAF-UT-045A	10-14-506	UT	1-10-95	100
JAF-UT-045B	10-14-506	UT	1-10-95	100
JAF-UT-046	10-14-487	UT	1-10-95	99.94
JAF-UT-046A	10-14-487	UT	1-10-95	99.94
JAF-UT-046B	10-14-487	UT	1-11-95	99.94
JAF-UT-055	10-14-481	UT	1-10-95	75.2
JAF-UT-055A	10-14-481	UT	1-10-95	75.2
JAF-UT-055B	10-14-481	UT	1-10-95	75.2

FUEL POOL

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-VT-025	PFSK-2368	VT-3	1-3-95	100

HIGH PRESSURE COOLANT INJECTION

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-VT-001	23-3-NS-37	VT-3	11-21-94	100
JAF-VT-019	23-23-671A	VT-1	12-19-94	100
JAF-VT-019A	23-23-671A	VT-1	12-29-94	100
<u>MT</u>				
JAF-MT-004	16-23-541	MT	11-29-94	100
	16-23-542	MT	11-29-94	100
JAF-MT-005	20-23-499	MT	12-1-94	100
	20-23-499	MT	12-1-94	100
	20-23-500	MT	12-1-94	100
JAF-MT-009	10-23-688	MT	12-6-94	100
	10-23-689	MT	12-6-94	100
JAF-MT-010	20-23-509	MT	12-7-94	100
	20-23-510	MT	12-7-94	100
JAF-MT-022	10-23-695	MT	1-7-95	100
JAF-MT-028	10-23-664A	MT	1-11-95	100
<u>UT</u>				
JAF-UT-001	20-23-497	UT	12-1-94	NA; THICKNESS READINGS ONLY
JAF-UT-017	23-23-671A	UT	12-29-94	N/A; THICKNESS READINGS ONLY
JAF-UT-019	10-23-688	UT	12-1-94	100
JAF-UT-019A	10-23-688	UT	12-29-94	100
JAF-UT-019B	10-23-688	UT	12-29-94	100
JAF-UT-019C	10-23-688	UT	12-29-94	100
JAF-UT-020	10-23-689	UT	12-7-94	100
JAF-UT-020A	10-23-689	UT	12-29-94	100
JAF-UT-020B	10-23-689	UT	12-29-94	100
JAF-UT-036	10-23-695	UT	1-7-95	100

HIGH PRESSURE COOLANT INJECTION

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-UT-036A	10-23-695	UT	1-7-95	100
JAF-UT-036B	10-23-695	UT	1-7-95	100

MAIN STEAM

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-VT-023	37-29-573C	VT-1	12-28-94	100
JAF-VT-023A	37-29-573C	VT-1	1-3-95	100
JAF-VT-24	37-29-542C	VT-1	12-28-94	100
JAF-VT-24A	37-29-542C	VT-1	1-3-95	100
<u>MT</u>				
JAF-MT-012	24-29-538	MT	12-9-94	100
	24-29-539	MT	12-9-94	100
JAF-MT-012A	24-29-539	MT	1-2-95	100
JAF-MT-018	N-3A-SE	MT	1-7-95	100
JAF-MT-019	N-3B-SE	MT	1-7-95	100
JAF-MT-035	6-29-586	MT	1-18-95	100
	24-49-585	MT	1-18-95	100
	24-29-588	MT	1-18-95	100
JAF-MT-036	6-29-524	MT	1-18-95	100
	24-29-523	MT	1-18-95	100
JAF-MT-037	6-29-561	MT	1-21-95	100
	24-49-552	MT	1-21-95	100
	24-29-553	MT	1-21-95	100
	24-29-559	MT	1-21-95	100
	24-29-560	MT	1-21-95	100
<u>UT</u>				
JAF-UT-009	24-29-538	UT	12-9-94	100
	24-29-539	UT	12-9-94	92.0
JAF-UT-009A	24-29-539	UT	1-2-95	N/A; THICKNESS READINGS ONLY
JAF-UT-021	37-29-542C	UT	1-3-95	N/A; THICKNESS READINGS ONLY
JAF-UT-022	37-29-573C	UT	1-3-95	N/A; THICKNESS READINGS ONLY
JAF-UT-032	24-A106-1.32	UT	1-6-95	N/A; THICKNESS READINGS ONLY

MAIN STEAM

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-UT-033	N-3A-SE	UT	1-7-95	100
	N-3B-SE	UT	1-7-95	100
JAF-UT-033A	N-3A-SE	UT	1-7-95	100
	N-3B-SE	UT	1-7-95	100
JAF-UT-067	24-29-523	UT	1-19-95	100
JAF-UT-068	6-29-524	UT	1-19-95	100
	6-29-586	UT	1-19-95	100
JAF-UT-069	24-29-585	UT	1-18-95	100
	24-29-588	UT	1-18-95	100
JAF-UT-086	6-29-561	UT	1-21-95	100
JAF-UT-087	24-29-560	UT	1-21-95	100
	24-29-552	UT	1-21-95	100
JAF-UT-088	24-29-553	UT	1-21-95	100
JAF-UT-089	24-29-559	UT	1-21-95	100

FEEDWATER

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-VT-026	34FWS-029A	VT	1-6-95	100
JAF-VT-028	34-5C-AN-8	VT-3/VT-4	1-9-95	100
<u>MT</u>				
JAF-MT-020	18-34-423	MT	1-7-95	100
	18-34-425	MT	1-7-95	100
JAF-MT-021	18-34-391	MT	1-7-95	100
JAF-MT-023	12-34-371	MT	1-9-95	100
JAF-MT-024	12-34-406	MT	1-9-95	100
	12-34-407	MT	1-9-95	100
	12-34-408	MT	1-9-95	100
	12-34-409	MT	1-9-95	100
	12-34-416	MT	1-9-95	100
JAF-MT-025	12-34-370	MT	1-9-95	100
<u>UT</u>				
JAF-UT-034	18-34-423	UT	1-7-95	91.1
JAF-UT-034A	18-34-423	UT	1-7-95	91.1
JAF-UT-035	18-34-425	UT	1-7-95	100
JAF-UT-035A	18-34-425	UT	1-7-95	100
JAF-UT-037	18-34-391	UT	1-9-95	91.4
JAF-UT-037A	18-34-391	UT	1-9-95	91.4
JAF-UT-038	18-34-408	UT	1-9-95	100
	18-34-416	UT	1-9-95	100
JAF-UT-038A	18-34-408	UT	1-9-95	100
	18-34-416	UT	1-9-95	100
JAF-UT-039	12-34-409	UT	1-9-95	100
JAF-UT-039A	12-34-409	UT	1-9-95	100
JAF-UT-040	12-34-370	UT	1-9-95	100
JAF-UT-040A	12-34-370	UT	1-9-95	100

FEEDWATER

<u>UT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-UT-040B	12-34-370	UT	1-9-95	100
JAF-UT-041	12-34-371	UT	1-9-95	100
JAF-UT-041A	12-34-371	UT	1-9-95	100
JAF-UT-042	12-34-407	UT	1-9-95	100
JAF-UT-042A	12-34-407	UT	1-9-95	100
JAF-UT-043	12-34-406	UT	1-9-95	100
JAF-UT-043A	12-34-406	UT	1-9-95	100

EMERGENCY SERVICE WATER

<u>VT</u>	<u>COMPONENT</u>	<u>EXAM</u>	<u>DATE</u>	<u>% COMPLETE</u>
JAF-VT-006	H46-174	VT	12-8-94	100
JAF-VT-034	46-P2A	VT	1-13-95	100

NEW YORK POWER AUTHORITY

JAMES A. FITZPATRICK NUCLEAR POWER PLANT
DOCKET NO. 50-333

ENCLOSURE 4

IN-VESSEL INSERVICE INSPECTIONS

- In-Vessel Visual Examinations
- In-Vessel Ultrasonic Examinations

In-Vessel Visual Examinations

REPORT SUMMARY

Introduction

The New York Power Authority (NYPA) contracted GE Nuclear Energy (GENE) to provide personnel and equipment to perform invessel visual inspections (IVVI) of selected components of the reactor pressure vessel internals. The scope of inspections were selected by NYPA and performed by GE using NYPA procedure NDEP 9.5-6 Rev. 4. The inspections were performed using underwater camera systems and recorded on video tape. The video tapes were reviewed by GENE and NYPA personnel prior to final acceptance of the inspections. The inspections commenced on December 7, 1994 and were completed on January 4, 1995.

Personnel

Examiners performing the inspections were Level II qualified in IVVI. Evaluations of the video recorded inspections were performed by Level III IVVI qualified personnel. Copies of personnel certification records may be found in Section 7 of this report. Individuals manipulating the camera were not IVVI certified, but had a thorough knowledge of BWR internal components.

Equipment

The IVVI was performed using one or more of the following camera systems:

- ◆ PHANTOM ROV: A remotely operated underwater vehicle (submarine) with an RCS-620 camera affixed, using two 40W lights for illumination
- ◆ FIREFLY ROV: A remotely operated underwater vehicle (smaller than the PHANTOM) with a Sony HVM-352 camera affixed, using four 10W lights and two 20W lights for illumination
- ◆ HAND HELD: The Westinghouse ETV-1250 CCU is stationed on the refueling (or auxiliary) bridge and the camera, which is cabled to the CCU, is lowered into the RPV and manipulated by hand. Illumination is provided by two 50W lamps mounted to the camera housing. The hand held camera was the primary system used for conducting the IVVI.
- ◆ AUXILIARY LIGHTING: When the need arose for additional lighting to examine an area or investigate a suspect indication, 100W acorn, peanut, and/or general area lights were used, as required.

- **RESOLUTION STANDARDS:** The Sensitivity, Resolution, and Contrast Standard (SRCS) consisted of .001 in. and .0005 in. wires attached to an 18% neutral gray card in both horizontal and vertical planes, and mounted between Plexiglas plates. The ability of the equipment and inspection technique to resolve the standard was demonstrated prior to and periodically during examinations.
- **RECORDING EQUIPMENT:** All examinations were recorded on Super VHS magnetic recording tape using Super VHS, high resolution (>400 lines) video recorders.

Workscope:

The scope of work included the following items:

- Jet Pump assembly and riser brace support weld (JP 1-6 and 16-20)
- Jet Pump Sensing Lines (JP 1, 10, 11, & 20)
- Core Spray Sparger and Piping
- Feedwater Sparger (45 & 135 deg. partial and 225, & 315 deg. complete.)
- Inner radius VT-1 on all four feedwater nozzles per NUREG 0619
- CRD Nozzle
- Vessel Attachment Welds
 1. Dryer Support Brackets
 2. Guide Rod Support Bracket @ 180°
 3. Surveillance Sample Holder Brackets
 4. FW Sparger Support Brackets
 5. CS Piping Support Brackets
 8. Shroud Support Gussets (10)
- Top Guide Hold Down Bolts (all) plus 6 fuel cells
- Moisture Separator VT-3
 1. Lifting Lugs
 2. Guide Pin Assemblies
 3. Accessible Parts of Shroud Head
- Dryer Lifting lug and Drain Channel (2)
- Dry Tubes (2)
- Several shroud vertical welds

Additional scope added during the outage included the following:

- Core Plate Hold Down Bolts (20%)
- Top Guide Ring Weld (accessible areas) and alignment wedges

The Examination Matrix included in Section 3 of this report gives a detailed description of the inspections performed during this outage.

Relevant Indication Examination Results

Feedwater Spargers:

A gap was noticed between the top of the end bracket pin and end bracket at 185 degrees. The nut on the bottom of the pin is still in place and the tack weld at the bottom of the pin was verified. A copy of the video tape containing the condition was sent to GE Engineering for evaluation and disposition in a letter from GE's D. Drondel to the GE Site Services Manager Paul Quinn dated 3/4/95.

Surveillance Specimen Brackets:

A condition of either pitting or crud flaking was recorded on the attachment welds of the upper brackets at 30 and 300 degrees. A copy of the video tape containing the condition was sent to GE Engineering for evaluation and disposition in a letter from GE's D. Drondel to the GE Site Services Manager Paul Quinn dated 3/4/95.

IVVI Performance:

The video tapes and records from the IVVI workscope were completed and reviewed by a GE IVVI Level III, a NYPA IVVI Level III and the ANII. The few retakes required were primarily due to the as found condition of RPV component surfaces.

During the inspection process two tie wraps became detached from the remote underwater inspection vehicle (ROV). The parts were not retrieved.

A Lost Parts Analysis was performed by the GE Power Upgrade Projects in San Jose. Their safety evaluation concluded that safe reactor operation is not compromised by the presence of the nylon cable ties; nor is there a concern for potential fuel bundle blockage, interference with control rod operation or corrosion or chemical reaction with other reactor materials. Additional information is available under DER 94-1150.

IVVI MATRIX

6/6/95 12:07 PM

LINE	COMP	DESCRIPTION	AZ	EXAM	REQ'MNT	COMMENTS	DATE	TAPE	START	END	LEV II	RWV
1	CORE PLATE	BOLTING	26-51	VT-3	B-N-1	LIMITED ACCESS DUE TO DBL BLADE GUIDES. NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0.31.58	0.34.22	WSF	MAH
2	CORE PLATE	HOLD DOWN BOLTING	34-51	VT-1	GE RICSIL-071	NO RELEVANT INDICATIONS.	20-Dec-94	94-12	0.01.03	0.04.00	DTM	JLB
3	CORE PLATE	HOLD DOWN BOLTING	37-04	VT-1	GE RICSIL-071	NO RELEVANT INDICATIONS.	20-Dec-94	94-12	0.24.41	0.30.28	MJS	JLB
4	CORE PLATE	HOLD DOWN BOLTING	37-50	VT-1	GE RICSIL-071	NO RELEVANT INDICATIONS.	20-Dec-94	94-12	0.04.00	0.06.51	DTM	JLB
5	CORE PLATE	HOLD DOWN BOLTING	43-48	VT-1	GE RICSIL-071	NO RELEVANT INDICATIONS.	20-Dec-94	94-12	0.06.51	0.09.42	DTM	JLB
6	CORE PLATE	HOLD DOWN BOLTING	45-08	VT-1	GE RICSIL-071	NO RELEVANT INDICATIONS.	20-Dec-94	94-12	0.22.44	0.24.41	MJS	JLB
7	CORE PLATE	HOLD DOWN BOLTING	47-10	VT-1	GE RICSIL-071	NO RELEVANT INDICATIONS.	20-Dec-94	94-12	0.20.43	0.22.44	MJS	JLB
8	CORE PLATE	HOLD DOWN BOLTING	47-44	VT-1	GE RICSIL-071	NO RELEVANT INDICATIONS.	20-Dec-94	94-12	0.09.42	0.12.25	DTM	JLB
9	CORE PLATE	HOLD DOWN BOLTING	49-16	VT-1	GE RICSIL-071	NO RELEVANT INDICATIONS. SEE NOTE 1.	20-Dec-94	94-12	0.17.19	0.20.43	MJS	JLB
10	CORE PLATE	HOLD DOWN BOLTING	51-32	VT-1	GE RICSIL-071	NO RELEVANT INDICATIONS.	20-Dec-94	94-12	0.15.49	0.17.19	DTM	JLB
11	CORE PLATE	HOLD DOWN BOLTING	51-36	VT-1	GE RICSIL-071	NO RELEVANT INDICATIONS.	20-Dec-94	94-12	0.12.25	0.15.49	DTM	JLB
12	CRD	CRD NOZZ INNER RADIUS	135	VT-1	NUREG-0619	NO RELEVANT INDICATIONS.	4-Jan-95	94-16	1.11.58	1.13.09	TMH	JLB
13	CS PIPING	A-LOOP PIPING, DNCMR (WELDS 14 - 16)	010	VT-1	IEB 80-13	NO RELEVANT INDICATIONS.	16-Dec-94	94-08	0.01.08	0.03.46	MAH	JLB
14	CS PIPING	A-LOOP PIPING, DNCMR (WELDS 17 - 21)	010	VT-1	IEB 80-13	NO RELEVANT INDICATIONS.	20-Dec-94	94-11	0.18.03	0.26.25	HKH	MAH
15	CS PIPING	A-LOOP PIPING, DNCMR (WELDS 1 - 5)	170	VT-1	IEB 80-13	NO RELEVANT INDICATIONS.	20-Dec-94	94-11	0.52.28	1.05.15	HKH	MAH
16	CS PIPING	A-LOOP PIPING, DNCMR (WELDS 6 - 8)	170	VT-1	IEB 80-13	NO RELEVANT INDICATIONS.	16-Dec-94	94-08	0.18.45	0.21.47	MAH	JLB
17	CS PIPING	A-LOOP PIPING, HORIZ, 010-090	090	VT-1	IEB 80-13	INCLUDES SPT BKT @ 30 DEG. NO RELEVANT INDICATIONS	16-Dec-94	94-08	0.03.46	0.09.21	MAH	JLB
18	CS PIPING	A-LOOP PIPING, HORIZ, 090-170	090	VT-1	IEB 80-13	INCLUDES SPT BKT @ 150 DEG. NO RELEVANT INDICATIONS	16-Dec-94	94-08	0.14.18	0.18.45	MAH	JLB
19	CS PIPING	A-LOOP PIPING, T-BOX	090	VT-1	IEB 80-13	THERMAL SLEEVE WELDS ARE IN-ACCESSABLE. NO RELEVANT INDICATIONS.	16-Dec-94	94-08	0.09.21	0.14.18	MAH	JLB
20	CS PIPING	B-LOOP PIPING, DNCMR (WELDS 1 - 5)	350	VT-1	IEB 80-13	NO RELEVANT INDICATIONS.	20-Dec-94	94-11	0.26.25	0.39.20	HKH	MAH
21	CS PIPING	B-LOOP PIPING, DNCMR (WELDS 13 - 17)	190	VT-1	IEB 80-13	NO RELEVANT INDICATIONS.	16-Dec-94	94-08	0.21.54	0.27.20	MAH	JLB
22	CS PIPING	B-LOOP PIPING, DNCMR (WELDS 18 - 22)	190	VT-1	IEB 80-13	NO RELEVANT INDICATIONS.	20-Dec-94	94-11	0.39.20	0.52.28	HKH	MAH
23	CS PIPING	B-LOOP PIPING, DNCMR (WELDS 6 - 9)	350	VT-1	IEB 80-13	NO RELEVANT INDICATIONS.	16-Dec-94	94-08	0.40.50	0.48.30	MAH	JLB
24	CS PIPING	B-LOOP PIPING, HORIZ, 190-270	270	VT-1	IEB 80-13	INCLUDES SPT BKT @ 210 DEG. NO RELEVANT INDICATIONS	16-Dec-94	94-08	0.27.20	0.30.37	MAH	JLB

IVVI MATRIX

6/6/95 12:07 PM

LINE	COMP	DESCRIPTION	AZ	EXAM	REQ'MNT	COMMENTS	DATE	TAPE	START	END	LEV II	RVW
25	CS PIPING	B-LOOP PIPING, HORIZ, 270-350	270	VT-1	IEB 80-13	INCLUDES SPT BKT @ 330 DEG. NO RELEVANT INDICATIONS	16-Dec-94	94-08	0.34.20	0.40.50	MAH	JLB
26	CS PIPING	B-LOOP PIPING, T-BOX	270	VT-1	IEB 80-13	THERMAL SLEEVE WELDS ARE IN-ACCESSABLE. NO RELEVANT INDICATIONS	16-Dec-94	94-08	0.30.37	0.34.20	MAH	JLB
27	CS SPGR	(A) MID PASS (010 - 088)		VT-1	IEB 80-13	NO RELEVANT INDICATIONS. DOES NOT INCLUDE SPT BKTS. RE-EXAMINED ON TAPE 94-17	19-Dec-94	94-10	0.42.23	0.47.42	MAH	JLB
28	CS SPGR	(A) MID PASS (273 - 010)		VT-1	IEB 80-13	NO RELEVANT INDICATIONS. DOES NOT INCLUDE SPT BKTS. RE-EXAMINED ON TAPE 94-17	19-Dec-94	94-10	0.33.29	0.42.23	MAH	JLB
29	CS SPGR	(A) NOZZ PASS (088 - 010)		VT-1	IEB 80-13	NO RELEVANT INDICATIONS. DOES NOT INCLUDE SPT BKTS. RE-EXAMINED ON TAPE 94-17	19-Dec-94	94-10	0.47.42	1.01.04	MAH	JLB
30	CS SPGR	(A) NOZZ PASS (273 - 010)		VT-1	IEB 80-13	NO RELEVANT INDICATIONS. DOES NOT INCLUDE SPT BKTS. RE-EXAMINED ON TAPE 94-17	19-Dec-94	94-10	1.01.04	1.22.16	MAH	JLB
31	CS SPGR	(A) UPPER PASS (010 - 088)		VT-1	IEB 80-13	NO RELEVANT INDICATIONS. DOES NOT INCLUDE SPT BKTS. RE-EXAMINED ON TAPE 94-17	19-Dec-94	94-10	0.24.48	0.33.29	MAH	JLB
32	CS SPGR	(A) UPPER PASS (273 - 010)		VT-1	IEB 80-13	NO RELEVANT INDICATIONS. DOES NOT INCLUDE SPT BKTS. RE-EXAMINED ON TAPE 94-17	19-Dec-94	94-10	0.01.08	0.17.34	MAH	JLB
33	CS SPGR	(C) MID PASS (267 - 093)		VT-1	IEB 80-13	EXAMINATION ERRATIC. RE-EXAMINED ON TAPE 94-15	19-Dec-94	94-11	0.09.36	0.17.32	JLB	MAH
34	CS SPGR	(C) UPPER PASS (093 - 267)		VT-1	IEB 80-13	EXAMINATION ERRATIC. RE-EXAMINED ON TAPE 94-15	19-Dec-94	94-11	0.00.34	0.09.36	JLB	MAH
35	CS SPGR	A&B SPARGERS 010-030		VT-1	IEB 80-13	SCRATCHES, RUB MARKS - NO RELEVANT INDICATIONS	4-Jan-95	94-17	0.43.43	0.57.18	JLB	MAH
36	CS SPGR	A&B SPARGERS 030-060		VT-1	IEB 80-13	SCRATCHES, RUB MARKS - NO RELEVANT INDICATIONS	4-Jan-95	94-17	0.24.26	0.38.13	MAH	JLB
37	CS SPGR	A&B SPARGERS 060-088		VT-1	IEB 80-13	SCRATCHES, RUB MARKS - NO RELEVANT INDICATIONS	4-Jan-95	94-17	0.12.11	0.20.59	MAH	JLB
38	CS SPGR	A&B SPARGERS 273-300		VT-1	IEB 80-13	SCRATCHES, RUB MARKS - NO RELEVANT INDICATIONS	4-Jan-95	94-19	0.00.30	0.17.47	JLB	MAH
39	CS SPGR	A&B SPARGERS 300-325		VT-1	IEB 80-13	SCRATCHES, RUB MARKS - NO RELEVANT INDICATIONS	4-Jan-95	94-17	1.30.54	1.49.48	JLB	MAH
40	CS SPGR	A&B SPARGERS 325-350		VT-1	IEB 80-13	SCRATCHES, RUB MARKS - NO RELEVANT INDICATIONS	4-Jan-95	94-17	1.14.05	1.26.41	JLB	MAH
41	CS SPGR	A&B SPARGERS 350-010		VT-1	IEB 80-13	SCRATCHES, RUB MARKS - NO RELEVANT INDICATIONS	4-Jan-95	94-17	1.01.05	1.10.25	JLB	MAH
45	CS SPGR	C SPARGER @ 158 DEGREES		VT-1	IEB 80-13	RE-LOOK. INDICATION IS RUB MARK. NO RELEVANT INDICATIONS.	5-Jan-95	94-19	1.46.05	1.48.13	MAH	JLB
42	CS SPGR	C&D SPARGERS 093-120		VT-1	IEB 80-13	RUB MARKS IN OXIDE COATING. NO RELEVANT INDICATIONS.	4-Jan-95	94-15	1.24.52	1.37.59	MAH	JLB

IVVI MATRIX

6/6/95 12:07 PM

LINE	COMP	DESCRIPTION	AZ	EXAM	REQ'MNT	COMMENTS	DATE	TAPE	START	END	LEV II	RWV
43	CS SPGR	C&D SPARGERS 120-150		VT-1	IEB 80-13	RUB MARKS IN OXIDE COATING. NO RELEVANT INDICATIONS.	4-Jan-95	94-15	1.04.26	1.21.18	MAH	JLB
44	CS SPGR	C&D SPARGERS 150-180		VT-1	IEB 80-13	RUB MARKS IN OXIDE COATING. NO RELEVANT INDICATIONS.	4-Jan-95	94-15	0.46.30	0.58.53	MAH	JLB
46	CS SPGR	C&D SPARGERS 180-190		VT-1	IEB 80-13	RUB MARKS IN OXIDE COATING. NO RELEVANT INDICATIONS.	4-Jan-95	94-15	0.23.37	0.40.05	MAH	JLB
47	CS SPGR	C&D SPARGERS 190-210		VT-1	IEB 80-13	RUB MARKS IN OXIDE COATING. NO RELEVANT INDICATIONS.	4-Jan-95	94-15	0.07.46	0.17.39	MAH	JLB
48	CS SPGR	C&D SPARGERS 210-240		VT-1	IEB 80-13	RUB MARKS IN OXIDE COATING. NO RELEVANT INDICATIONS.	4-Jan-95	94-15	1.47.21	1.57.09	MAH	JLB
49	CS SPGR	C&D SPARGERS 240-267		VT-1	IEB 80-13	SCRATCHES, RUB MARKS - NO RELEVANT INDICATIONS	4-Jan-95	94-17	0.01.55	0.08.59	MAH	JLB
50	CS SPGR	SPGR T-BOX	010	VT-1	IEB 80-13	NO RELEVANT INDICATIONS.	19-Dec-94	94-10	0.17.34	0.24.48	MAH	JLB
51	CS SPGR	SPGR T-BOX	010	VT-1	IEB 80-13	SCRATCHES, RUB MARKS - NO RELEVANT INDICATIONS	4-Jan-95	94-17	0.57.18	1.01.05	JLB	MAH
52	CS SPGR	SPGR T-BOX	170	VT-1	IEB 80-13	NO RELEVANT INDICATIONS.	4-Jan-95	94-15	0.40.05	0.46.30	MAH	JLB
53	CS SPGR	SPGR T-BOX	190	VT-1	IEB 80-13	NO RELEVANT INDICATIONS.	4-Jan-95	94-15	0.17.39	0.23.37	MAH	JLB
54	CS SPGR	SPGR T-BOX	350	VT-1	IEB 80-13	SCRATCHES, RUB MARKS - NO RELEVANT INDICATIONS	4-Jan-95	94-17	1.10.25	1.14.05	JLB	MAH
55	CS SPGR	SUPPORT BRACKET	030	VT-1	GE SIL-572 R1	SCRATCHES, RUB MARKS - NO RELEVANT INDICATIONS	4-Jan-95	94-17	0.38.13	0.43.43	MAH	JLB
56	CS SPGR	SUPPORT BRACKET	060	VT-1	GE SIL-572 R1	SCRATCHES, RUB MARKS - NO RELEVANT INDICATIONS	4-Jan-95	94-17	0.20.59	0.24.26	MAH	JLB
57	CS SPGR	SUPPORT BRACKET	088	VT-1	GE SIL-572 R1	NO RELEVANT INDICATIONS.	4-Jan-95	94-15	1.37.59	1.47.21	MAH	JLB
58	CS SPGR	SUPPORT BRACKET	093	VT-1	GE SIL-572 R1	NO RELEVANT INDICATIONS.	4-Jan-95	94-15	1.37.59	1.47.21	MAH	JLB
59	CS SPGR	SUPPORT BRACKET	120	VT-1	GE SIL-572 R1	NO RELEVANT INDICATIONS.	4-Jan-95	94-15	1.21.18	1.24.52	MAH	JLB
60	CS SPGR	SUPPORT BRACKET	150	VT-1	GE SIL-572 R1	NO RELEVANT INDICATIONS.	4-Jan-95	94-15	0.58.53	1.04.26	MAH	JLB
61	CS SPGR	SUPPORT BRACKET	210	VT-1	GE SIL-572 R1	NO RELEVANT INDICATIONS.	4-Jan-95	94-15	0.01.10	0.07.46	MAH	JLB
62	CS SPGR	SUPPORT BRACKET	240	VT-1	GE SIL-572 R1	NO RELEVANT INDICATIONS.	4-Jan-95	94-15	1.57.09	1.59.47	MAH	JLB
63	CS SPGR	SUPPORT BRACKET	267	VT-1	GE SIL-572 R1	SCRATCHES, RUB MARKS - NO RELEVANT INDICATIONS	4-Jan-95	94-17	0.08.59	0.12.11	MAH	JLB
64	CS SPGR	SUPPORT BRACKET	273	VT-1	GE SIL-572 R1	NO RELEVANT INDICATIONS.	5-Jan-95	94-19	0.17.47	0.20.02	JLB	MAH
65	CS SPGR	SUPPORT BRACKET	300	VT-1	GE SIL-572 R1	NO RELEVANT INDICATIONS.	4-Jan-95	94-17	1.49.48	1.53.16	JLB	MAH
66	CS SPGR	SUPPORT BRACKET	325	VT-1	GE SIL-572 R1	SCRATCHES, RUB MARKS - NO RELEVANT INDICATIONS	4-Jan-95	94-17	1.26.41	1.30.54	JLB	MAH
67	DRY TUBE	IRM B	35-40	VT-1	GE SIL-409 R1	HANDLING MARK (SCRATCH) ON SPRING TUBE. NO RECORDABLE INDICATIONS.	18-Dec-94	94-09	0.04.10	0.07.03	MJS	JLB

IVIMATRIX

6/6/95 12:07 PM

LINE	COMP	DESCRIPTION	AZ	EXAM	REQ'MNT	COMMENTS	DATE	TAPE	START	END	LEV II	RVW
68	DRY TUBE	IRM B	35-42	VT-1	GE SIL-409 R1	NO RELEVANT INDICATIONS.	18-Dec-94	94-09	0 07 03	0 09 58	MJS	JLB
69	DRY TUBE	IRM B	37-40	VT-1	GE SIL-409 R1	HANDLING MARK (SCRATCH) ON SPRING TUBE. NO RELEVANT INDICATIONS.	18-Dec-94	94-09	0 00 40	0 04 10	MJS	JLB
70	DRY TUBE	IRM B	37-42	VT-1	GE SIL-409 R1	NO RELEVANT INDICATIONS.	18-Dec-94	94-09	0 09 58	0 13 10	MJS	JLB
71	DRY TUBE	IRM E	27-24	VT-1	GE SIL-409 R1	NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0 23 06	0 25 18	DTM	JLB
72	DRY TUBE	IRM E	27-26	VT-1	GE SIL-409 R1	NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0 20 57	0 25 18	DTM	JLB
73	DRY TUBE	IRM E	29-24	VT-1	GE SIL-409 R1	HANDLING MARK (SCRATCH) ON SPRING TUBE. NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0 14 54	0 18 09	DTM	JLB
74	DRY TUBE	IRM E	29-26	VT-1	GE SIL-409 R1	NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0 18 09	0 20 57	DTM	JLB
75	DRYER	DR CH 2 (CCW SIDE)		VT-3	GE SIL-474	NO RELEVANT INDICATIONS. 2nd DRAIN CHANNEL CW FROM ZERO LOOKING DOWN	9-Dec-94	94-05	0 26 47	0 33 03	WSF	MAH
76	DRYER	DR CH 2 (CW SIDE)		VT-3	GE SIL-474	NO RELEVANT INDICATIONS. 2nd DRAIN CHANNEL CW FROM ZERO LOOKING DOWN	8-Dec-94	94-05	0 17 38	0 25 05	JLB	MAH
77	DRYER	DR CH 2 (TOP)		VT-3	B-N-1	NO RELEVANT INDICATIONS. 2nd DRAIN CHANNEL CW FROM ZERO LOOKING DOWN	8-Dec-94	94-05	0 25 05	0 26 47	JLB	MAH
78	DRYER	LIFTING LUG	040	VT-3	B-N-1	NO RELEVANT INDICATIONS.	8-Dec-94	94-05	0 00 47	0 05 04	JLB	MAH
79	DRYER	LIFTING LUG	140	VT-3	B-N-1	NO RELEVANT INDICATIONS.	8-Dec-94	94-05	0 08 29	0 13 35	JLB	MAH
80	DRYER	LIFTING LUG	220	VT-3	B-N-1	NO RELEVANT INDICATIONS.	8-Dec-94	94-05	0 13 35	0 17 38	JLB	MAH
81	DRYER	LIFTING LUG	320	VT-3	B-N-1	NO RELEVANT INDICATIONS.	8-Dec-94	94-05	0 05 04	0 08 29	JLB	MAH
82	FEEDWATER	FW NOZZ INNER RADIUS	045	VT-1	NUREG-0619	NO RELEVANT INDICATIONS.	12-Dec-94	94-06	0 58 44	1 02 09	JLB	MAH
83	FEEDWATER	FW NOZZ INNER RADIUS	135	VT-1	NUREG-0619	NO RELEVANT INDICATIONS. - MISLABELED ON TAPE AS "END BKT"	12-Dec-94	94-06	0 48 12	0 51 39	HKH	JLB
84	FEEDWATER	FW NOZZ INNER RADIUS	225	VT-1	NUREG-0619	NO RELEVANT INDICATIONS.	12-Dec-94	94-06	1 08 04	1 11 13	JLB	MAH
85	FEEDWATER	FW NOZZ INNER RADIUS	315	VT-1	NUREG-0619	NO RELEVANT INDICATIONS.	14-Dec-94	94-06	1 25 46	1 29 14	MAH	JLB
87	FW SPGR	END BKT PIN TACK WELD	005	VT-3	B-N-1	NO RELEVANT INDICATIONS.	4-Jan-95	94-16	0 11 24	0 12 15	TMH	JLB
88	FW SPGR	END BKT PIN TACK WELD	085	VT-3	B-N-1	NO RELEVANT INDICATIONS.	4-Jan-95	94-16	0 02 40	0 03 48	TMH	JLB
89	FW SPGR	END BKT PIN TACK WELD	095	VT-3	B-N-1	NO RELEVANT INDICATIONS.	4-Jan-95	94-16	0 03 48	0 05 20	TMH	JLB
90	FW SPGR	END BKT PIN TACK WELD	175	VT-3	B-N-1	NO RELEVANT INDICATIONS.	4-Jan-95	94-16	0 05 20	0 05 52	TMH	JLB
91	FW SPGR	END BKT PIN TACK WELD	185	VT-3	B-N-1	NO RELEVANT INDICATIONS.	4-Jan-95	94-16	0 05 52	0 08 00	TMH	JLB
92	FW SPGR	END BKT PIN TACK WELD	265	VT-3	B-N-1	NO RELEVANT INDICATIONS.	4-Jan-95	94-16	0 08 00	0 09 15	TMH	JLB
93	FW SPGR	END BKT PIN TACK WELD	275	VT-3	B-N-1	NO RELEVANT INDICATIONS.	4-Jan-95	94-16	0 09 15	0 10 01	TMH	JLB
94	FW SPGR	END BKT PIN TACK WELD	355	VT-3	B-N-1	NO RELEVANT INDICATIONS.	4-Jan-95	94-16	0 10 01	0 11 24	TMH	JLB
86	FW SPGR	FW SPARGER (DAMAGED NOZZ AREA)	315	VT-3	B-N-1	4 DAMAGED FLOW NOZZLES SEE NOTE 2.	14-Dec-94	94-06	1 29 14	1 31 58	MAH	JLB
95	FW SPGR	FW SPGR END BKT (045)	005	VT-1	B-N-2	NO RELEVANT INDICATIONS.	12-Dec-94	94-06	0 24 50	0 32 26	WSF	JLB
96	FW SPGR	FW SPGR END BKT (045)	085	VT-1	B-N-2	NO RELEVANT INDICATIONS.	12-Dec-94	94-06	0 32 26	0 40 30	WSF	JLB
97	FW SPGR	FW SPGR END BKT (135)	095	VT-1	B-N-2	NO RELEVANT INDICATIONS.	12-Dec-94	94-06	0 40 30	0 48 12	HKH	JLB
98	FW SPGR	FW SPGR END BKT (135)	175	VT-1	B-N-2	NO RELEVANT INDICATIONS.	12-Dec-94	94-06	0 51 39	0 58 44	HKH	JLB

IVIMATRIX

6/6/95 12:07 PM

LINE	COMP	DESCRIPTION	AZ	EXAM	REQ'MNT	COMMENTS	DATE	TAPE	START	END	LEV II	RWV
99	FW SPGR	FW SPGR END BKT (225)	185	VT-1	B-N-2	GAP BETWEEN BOLT HEAD AND BRACKET. TAPE COPIED AND SENT TO GE ENGINEERING FOR EVALUATION. SEE NOTE 3.	12-Dec-94	94-06	1.02.09	1.08.04	JLB	MAH
100	FW SPGR	FW SPGR END BKT (225)	265	VT-1	B-N-2	NO RELEVANT INDICATIONS.	14-Dec-94	94-06	1.13.00	1.17.20	MAH	JLB
101	FW SPGR	FW SPGR END BKT (315)	275	VT-1	B-N-2	NO RELEVANT INDICATIONS.	14-Dec-94	94-06	1.19.13	1.22.43	MAH	JLB
102	FW SPGR	FW SPGR END BKT (315)	355	VT-1	B-N-2	NO RELEVANT INDICATIONS.	14-Dec-94	94-06	1.22.43	1.25.46	MAH	JLB
103	JET PUMP	JP-01	157	VT-1, 3	B-N-1, B-N-2, GE SILS-465, 574, 551	PIECE OF TAPE ON RESTRAINER AT COUNTS 0.06.10. SEE NOTE 4.	4-Jan-95	94-18	0.00.35	0.09.14	MJS	JLB
104	JET PUMP	JP-01	157	VT-1, 3	B-N-1, B-N-2, GE SILS-465, 574, 551	NO RELEVANT INDICATIONS.	4-Jan-95	94-18	0.12.52	0.17.08	MJS	JLB
105	JET PUMP	JP-02	143	VT-1, 3	B-N-1, B-N-2, GE SILS-465, 574, 551	NO RELEVANT INDICATIONS.	4-Jan-95	94-18	0.17.08	0.31.59	MJS	JLB
106	JET PUMP	JP-03	127	VT-1, 3	B-N-1, B-N-2, GE SILS-465, 574, 551	NO RELEVANT INDICATIONS.	4-Jan-95	94-18	0.34.03	0.49.40	MJS	JLB
107	JET PUMP	JP-04	113	VT-1, 3	B-N-1, B-N-2, GE SILS-465, 574, 551	NO RELEVANT INDICATIONS.	4-Jan-95	94-18	0.49.40	1.03.53	MJS	JLB
108	JET PUMP	JP-05	097	VT-1, 3	B-N-1, B-N-2, GE SILS-465, 574, 551	NO RELEVANT INDICATIONS.	4-Jan-95	94-16	1.13.09	1.30.21	MJS	JLB
109	JET PUMP	JP-06	083	VT-1, 3	B-N-1, B-N-2, GE SILS-465, 574, 551	NO RELEVANT INDICATIONS.	4-Jan-95	94-16	1.30.21	1.48.10	MJS	JLB
110	JET PUMP	JP-16	263	VT-1, 3	B-N-1, B-N-2, GE SILS-465, 574, 551	NO RELEVANT INDICATIONS.	5-Jan-95	94-19	0.20.50	0.37.17	JLB	MAH
111	JET PUMP	JP-17	247	VT-1, 3	B-N-1, B-N-2, GE SILS-465, 574, 551	NO RELEVANT INDICATIONS.	5-Jan-95	94-19	0.37.17	0.49.17	JLB	MAH
112	JET PUMP	JP-18	233	VT-1, 3	B-N-1, B-N-2, GE SILS-465, 574, 551	NO RELEVANT INDICATIONS.	5-Jan-95	94-19	0.49.17	0.53.30	JLB	MAH
113	JET PUMP	JP-18	233	VT-1, 3	B-N-1, B-N-2, GE SILS-465, 574, 551	NO RELEVANT INDICATIONS.	5-Jan-95	94-19	0.54.18	0.58.02	JLB	MAH
114	JET PUMP	JP-18	233	VT-1, 3	B-N-1, B-N-2, GE SILS-465, 574, 551	NO RELEVANT INDICATIONS.	5-Jan-95	94-19	0.58.44	1.03.12	JRB	JLB
115	JET PUMP	JP-19	217	VT-1, 3	B-N-1, B-N-2, GE SILS-465, 574, 551	NO RELEVANT INDICATIONS.	5-Jan-95	94-19	1.03.12	1.16.03	JRB	JLB

IVV MATRIX

6/6/95 12:07 PM

LINE	COMP	DESCRIPTION	AZ	EXAM	REQ'MNT	COMMENTS	DATE	TAPE	START	END	LEV II	RVW
116	JET PUMP	JP-20	203	VT-1, 3	B-N-1, B-N-2, GE SILS-465, 574, 551	NO RELEVANT INDICATIONS.	5-Jan-95	94-19	1.16.03	1.27.46	MAH	JLB
117	JET PUMP	JP-20	203	VT-1, 3	B-N-1, B-N-2, GE SILS-465, 574, 551	NO RELEVANT INDICATIONS.	5-Jan-95	94-19	1.31.20	1.40.09	MAH	JLB
118	JET PUMP	SENSING LINE (JP-01)		VT-1	GE SIL 420	NO RELEVANT INDICATIONS.	4-Jan-95	94-18	0.09.14	0.12.52	MJS	JLB
119	JET PUMP	SENSING LINE (JP-10)		VT-1	GE SIL 420	NO RELEVANT INDICATIONS.	4-Jan-95	94-18	0.31.59	0.34.03	MJS	JLB
120	JET PUMP	SENSING LINE (JP-11)		VT-1	GE SIL 420	NO RELEVANT INDICATIONS.	5-Jan-95	94-19	1.40.09	1.46.05	MAH	JLB
121	JET PUMP	SENSING LINE (JP-20)		VT-1	GE SIL 420	NO RELEVANT INDICATIONS.	5-Jan-95	94-19	1.27.46	1.31.20	MAH	JLB
122	RPV	DRYER SPT BKT	034	VT-1	B-N-2	NO RELEVANT INDICATIONS.	12-Dec-94	94-06	0.05.08	0.09.46	JRB	JLB
123	RPV	DRYER SPT BKT	146	VT-1	B-N-2	NO RELEVANT INDICATIONS.	12-Dec-94	94-06	0.22.05	0.24.18	MAH	JLB
124	RPV	DRYER SPT BKT	214	VT-1	B-N-2	NO RELEVANT INDICATIONS.	12-Dec-94	94-06	0.16.34	0.21.15	MAH	JLB
125	RPV	DRYER SPT BKT	326	VT-1	B-N-2	NO RELEVANT INDICATIONS.	12-Dec-94	94-06	0.10.15	0.16.34	MAH	JLB
126	RPV	GUIDE ROD BKT	180	VT-1	B-N-2	NO RELEVANT INDICATIONS.	12-Dec-94	94-06	0.01.02	0.05.08	JRB	JLB
132	RPV	SURV SPECIMEN BKT (LOWER) 119 DEGREE SIDE	120	VT-1	B-N-2	NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0.39.05	0.40.12	JRB	MAH
134	RPV	SURV SPECIMEN BKT (LOWER) 121 DEGREE SIDE	120	VT-1	B-N-2	NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0.41.20	0.42.12	JRB	MAH
128	RPV	SURV SPECIMEN BKT (LOWER) 29 DEGREE SIDE	030	VT-1	B-N-2	NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0.36.44	0.37.09	JRB	MAH
136	RPV	SURV SPECIMEN BKT (LOWER) 299 DEGREE SIDE	300	VT-1	B-N-2	NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0.44.00	0.44.37	JRB	MAH
138	RPV	SURV SPECIMEN BKT (LOWER) 301 DEGREE SIDE	300	VT-1	B-N-2	NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0.45.57	0.46.28	JRB	MAH
130	RPV	SURV SPECIMEN BKT (LOWER) 31 DEGREE SIDE	030	VT-1	B-N-2	NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0.35.37	0.36.07	JRB	MAH
131	RPV	SURV SPECIMEN BKT (UPPER) 119 DEGREE SIDE	120	VT-1	B-N-2	NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0.37.53	0.39.05	JRB	MAH
133	RPV	SURV SPECIMEN BKT (UPPER) 121 DEGREE SIDE	120	VT-1	B-N-2	NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0.40.12	0.41.20	JRB	MAH

IVVI MATRIX

6/6/95 12:07 PM

LINE	COMP	DESCRIPTION	AZ	EXAM	REQ'MNT	COMMENTS	DATE	TAPE	START	END	LEV II	RVW
127	RPV	SURV SPECIMEN BKT (UPPER) 29 DEGREE SIDE	030	VT-1	B-N-2	PITTING OR CRUD FLAKING ON ATTACHMENT WELD. SEE NOTE 5.	19-Dec-94	94-09	0.36.07	0.36.44	JRB	MAH
135	RPV	SURV SPECIMEN BKT (UPPER) 299 DEGREE SIDE	300	VT-1	B-N-2	PITTING OR CRUD FLAKING ON ATTACHMENT WELD. TAPE COPIED AND SENT TO GE ENGINEERING FOR EVALUATION. SEE NOTE 5.	19-Dec-94	94-09	0.42.12	0.44.00	JRB	MAH
137	RPV	SURV SPECIMEN BKT (UPPER) 301 DEGREE SIDE	300	VT-1	B-N-2	NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0.44.37	0.45.57	JRB	MAH
129	RPV	SURV SPECIMEN BKT (UPPER) 31 DEGREE SIDE	030	VT-1	B-N-2	PITTING OR CRUD FLAKING ON ATTACHMENT WELD. SEE NOTE 5.	19-Dec-94	94-09	0.34.22	0.35.37	JRB	MAH
139	SEPARATOR	DOME (020 - 160)		VT-3	B-N-1	NO RELEVANT INDICATIONS. (EXAMINED WITH FIREFLY)	16-Dec-94	94-05	1.18.28	1.38.14	JLB	MAH
140	SEPARATOR	DOME (160 - 210)		VT-3	B-N-1	NO RELEVANT INDICATIONS.	9-Dec-94	94-05	0.43.22	0.47.35	WSF	MAH
141	SEPARATOR	DOME (210 - 330)		VT-3	B-N-1	NO RELEVANT INDICATIONS. (EXAMINED WITH FIREFLY)	16-Dec-94	94-05	1.38.14	1.54.52	JLB	MAH
142	SEPARATOR	DOME (330 - 020)		VT-3	B-N-1	NO RELEVANT INDICATIONS.	9-Dec-94	94-05	0.40.17	0.43.22	WSF	MAH
143	SEPARATOR	GUIDE PIN ASS'Y	000	VT-3	B-N-1	NO RELEVANT INDICATIONS.	9-Dec-94	94-05	0.33.03	0.35.19	WSF	MAH
144	SEPARATOR	GUIDE PIN ASS'Y	180	VT-3	B-N-1	NO RELEVANT INDICATIONS.	9-Dec-94	94-05	0.47.35	0.51.55	WSF	MAH
147	SEPARATOR	LIFTING LUG	200	VT-3	B-N-1	NO RELEVANT INDICATIONS.	9-Dec-94	94-05	0.51.55	0.56.08	WSF	MAH
148	SEPARATOR	LIFTING LUG	270	VT-3	B-N-1	NO RELEVANT INDICATIONS. (EXAMINED WITH FIREFLY)	16-Dec-94	94-05	0.57.52	1.11.46	JLB	MAH
145	SEPARATOR	LIFTING LUG	020	VT-3	B-N-1	NO RELEVANT INDICATIONS.	9-Dec-94	94-05	0.35.19	0.40.17	WSF	MAH
146	SEPARATOR	LIFTING LUG	090	VT-3	B-N-1	NO RELEVANT INDICATIONS. (EXAMINED WITH FIREFLY)	16-Dec-94	94-05	1.11.46	1.18.28	JLB	MAH
149	SHROUD	SGHIA (GUSSET)	015	ENH VT-1	B-N-2	GUSSET TO SHELF WELD IS LIMITED EXAM ON JET PUMP 10 SIDE. NO RELEVANT INDICATIONS. ON AREAS EXAMINED. BRUSHED & RE- EXAMINED. SEE TAPE 94-12	8-Dec-94	94-03	0.54.23	1:10:23	WSF	JLB
150	SHROUD	SGHIA (GUSSET)	015	ENH VT-1	B-N-2	NO RELEVANT INDICATIONS.	21-Dec-94	94-12	0.52.18	1.12.55	DTM	JLB
151	SHROUD	SGHIC (GUSSET)	045	ENH VT-1	B-N-2	GUSSET TO SHELF WELD IS LIMITED EXAM DUE TO JET PUMPS 8 AND 9 NO RELEVANT INDICATIONS. ON AREAS EXAMINED.	8-Dec-94	94-03	0.00.40	0.08.47	JRB	JLB
152	SHROUD	SGHIE (GUSSET)	075	ENH VT-1	B-N-2	GUSSET TO SHELF WELD IS LIMITED EXAM DUE TO JET PUMPS 8 AND 7 NO RELEVANT INDICATIONS. ON AREAS EXAMINED.	8-Dec-94	94-03	0.08.47	0.15.18	JRB	JLB
153	SHROUD	SGHIJ (GUSSET)	135	ENH VT-1	B-N-2	GUSSET TO SHELF WELD IS LIMITED EXAM DUE TO JET PUMPS 2 AND 3 NO RELEVANT INDICATIONS. ON AREAS EXAMINED.	8-Dec-94	94-03	0.15.18	0.23.17	JRB	JLB

IVV MATRIX

6/6/95 12:07 PM

LINE	COMP	DESCRIPTION	AZ	EXAM	REQ'MNT	COMMENTS	DATE	TAPE	START	END	LEV II	RVW
154	SHROUD	SGHIL (GUSSET)	165	ENH VT-1	B-N-2	GUSSET TO SHELF WELD IS LIMITED EXAM ON JET PUMP 01 SIDE. NO RELEVANT INDICATIONS. ON AREAS EXAMINED. BRUSHED & RE-EXAMINED. SEE TAPE 94-12.	8-Dec-94	94-03	0 23:17	0 54:23	WSF	JLB
155	SHROUD	SGHIL (GUSSET)	165	ENH VT-1	B-N-2	NO RELEVANT INDICATIONS.	21-Dec-94	94-12	0 31:53	0 52:18	DTM	JLB
156	SHROUD	SGHIM (GUSSET)	195	ENH VT-1	B-N-2	GUSSET TO SHELF WELD IS LIMITED EXAM ON JET PUMP 20 SIDE. NO RELEVANT INDICATIONS. ON AREAS EXAMINED.	7-Dec-94	94-02	0 24:00	0 55:17	RAW	JLB
157	SHROUD	SGHIP (GUSSET)	225	ENH VT-1	B-N-2	GUSSET TO SHELF WELD IS LIMITED EXAM DUE TO JET PUMPS 18 AND 19. NO RELEVANT INDICATIONS. ON AREAS EXAMINED. NO AUDIO.	7-Dec-94	94-02	0 17:28	0 24:00	JFK	JLB
158	SHROUD	SGHIR (GUSSET)	255	ENH VT-1	B-N-2	SUSPECT AT TAPE CNTS 0 17:05 (GUSSET TO SHELF, JP-16 SIDE) BRUSHED AND RE-EXAMINED. SEE TAPE 94-12. GUSSET TO SHELF WELD IS LIMITED EXAM DUE TO JET PUMPS 18 AND 17.	7-Dec-94	94-02	0 11:30	0 17:28	JFK	JLB
159	SHROUD	SGHIR (GUSSET)	255	ENH VT-1	B-N-2	NO RELEVANT INDICATIONS.	21-Dec-94	94-12	1 12:55	1 29:00	DTM	JLB
160	SHROUD	SGHIV (GUSSET)	315	ENH VT-1	B-N-2	GUSSET TO SHELF WELD IS LIMITED EXAM DUE TO JET PUMPS 12 AND 13. NO RELEVANT INDICATIONS. ON AREAS EXAMINED. NO AUDIO. RE-SHOT. SEE TAPE 94-02.	7-Dec-94	94-01	0 50:21	0 54:30	MAH	JLB
161	SHROUD	SGHIV (GUSSET)	315	ENH VT-1	B-N-2	GUSSET TO SHELF WELD IS LIMITED EXAM DUE TO JET PUMPS 12 AND 13. NO RELEVANT INDICATIONS. ON AREAS EXAMINED. NO AUDIO.	7-Dec-94	94-02	0 01:09	0 11:30	JFK	JLB
162	SHROUD	SGHIX (GUSSET)	345	ENH VT-1	B-N-2	GUSSET TO SHELF WELD IS LIMITED EXAM ON JET PUMP 11 SIDE. NO RELEVANT INDICATIONS. ON AREAS EXAMINED. NO AUDIO. RE-SHOT. SEE TAPE 94-02.	7-Dec-94	94-01	0 54:30	1 10:30	MAH	JLB
163	SHROUD	SGHIX (GUSSET)	345	ENH VT-1	B-N-2	GUSSET TO SHELF WELD IS LIMITED EXAM ON JET PUMP 11 SIDE. NO RELEVANT INDICATIONS. ON AREAS EXAMINED.	7-Dec-94	94-02	0 55:17	1 08:47	JLB	MAH
164	SHROUD	SV2A (BOTTOM 12")	050	ENH VT-1	GE SIL-572 R1	TAPE TITLE SHOWS 52 DEGREES. THE AREA EXAMINED WAS THE CORRECT AREA OF THE WELD. WELD CROWN IS GROUND SMOOTH. NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0 26:14	0 31:58	WSF	MAH
165	SHROUD	SV2B (BOTTOM 12")	230	ENH VT-1	GE SIL-572 R1	NO RELEVANT INDICATIONS. - UNABLE TO LOCATE WELD. EXAMINED GENERAL AREA. NO RELEVANT INDICATIONS.	16-Dec-94	94-07	0 47:12	0 51:05	DTM	JLB
166	SHROUD	SV3A	000	ENH VT-1	GE SIL-572 R1	NO RELEVANT INDICATIONS. - GUIDE ROD INTERFERENCE. SCRAPE MARK ON BOTTOM SIDE OF RING DUE TO UT SCANNER.	16-Dec-94	94-07	0 33:04	0 38:13	DTM	JLB
167	SHROUD	SV3B	060	ENH VT-1	GE SIL-572 R1	NO RELEVANT INDICATIONS.	16-Dec-94	94-07	0 28:13	0 33:04	DTM	JLB
168	SHROUD	SV3C	120	ENH VT-1	GE SIL-572 R1	NO RELEVANT INDICATIONS.	16-Dec-94	94-07	0 24:56	0 28:13	DTM	JLB
169	SHROUD	SV3D	180	ENH VT-1	GE SIL-572 R1	NO RELEVANT INDICATIONS. - VIBRATION INST. LINES IN THE AREA. GUIDE ROD INTERFERENCE.	16-Dec-94	94-07	0 21:00	0 24:56	DTM	JLB

JAMES A. F. TRICK N.P.P.
1994 REFUELING OUTAGE

IVVI MATRIX

6/6/95 12:07 PM

LINE	COMP	DESCRIPTION	AZ	EXAM	REQ'MNT	COMMENTS	DATE	TAPE	START	END	LEV II	RVW
170	SHROUD	SV3E	240	ENH VT-1	GE SIL-572 R1	NO RELEVANT INDICATIONS.	16-Dec-94	94-07	0 42:18	0 47:12	DTM	JLB
171	SHROUD	SV3F	300	ENH VT-1	GE SIL-572 R1	NO RELEVANT INDICATIONS.	16-Dec-94	94-07	0 38:13	0 42:18	DTM	JLB
172	SHROUD	SV8B OD (169 DEGREE SIDE)	170	ENH VT-1	GE SIL-572 R1	NO RELEVANT INDICATIONS. - APPEARS TO BE ARC STRIKE @ TAPE COUNTS 0:12:43	16-Dec-94	94-07	0 11:48	0 21:00	DTM	JLB
173	SHROUD	SV8B OD (171 DEGREE SIDE)	170	ENH VT-1	GE SIL-572 R1	NO RELEVANT INDICATIONS.	16-Dec-94	94-07	0 00:52	0 09:52	DTM	JLB
174	TOP GUIDE	ALIGNMENT WEDGE	010	VT-3	B-N-1	NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0 46:28	0 47:58	JRB	MAH
175	TOP GUIDE	ALIGNMENT WEDGE	020	VT-3	B-N-1	NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0 47:58	0 49:45	JRB	MAH
176	TOP GUIDE	ALIGNMENT WEDGE	030	VT-3	B-N-1	NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0 49:45	0 51:31	JRB	MAH
177	TOP GUIDE	ALIGNMENT WEDGE	050	VT-3	B-N-1	NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0 51:31	0 53:17	JRB	MAH
178	TOP GUIDE	ALIGNMENT WEDGE	070	VT-3	B-N-1	NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0 53:17	0 55:02	JRB	MAH
179	TOP GUIDE	ALIGNMENT WEDGE	080	VT-3	B-N-1	NO RELEVANT INDICATIONS.	19-Dec-94	94-09	0 55:02	0 56:50	JRB	MAH
180	TOP GUIDE	ALIGNMENT WEDGE	100	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	0 59:36	1 00:57	JRB	MAH
181	TOP GUIDE	ALIGNMENT WEDGE	110	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1 00:57	1 02:59	JRB	MAH
182	TOP GUIDE	ALIGNMENT WEDGE	125	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1 02:59	1 04:07	JRB	MAH
183	TOP GUIDE	ALIGNMENT WEDGE	140	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1 04:07	1 08:09	WSF	MAH
184	TOP GUIDE	ALIGNMENT WEDGE	155	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1 08:09	1 11:35	WSF	MAH
185	TOP GUIDE	ALIGNMENT WEDGE	170	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1 11:35	1 14:17	WSF	MAH
186	TOP GUIDE	ALIGNMENT WEDGE	190	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1 22:24	1 25:01	WSF	MAH
187	TOP GUIDE	ALIGNMENT WEDGE	200	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1 25:01	1 27:00	WSF	MAH
188	TOP GUIDE	ALIGNMENT WEDGE	210	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1 27:00	1 30:09	WSF	MAH
189	TOP GUIDE	ALIGNMENT WEDGE	230	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1 30:09	1 33:04	WSF	MAH
190	TOP GUIDE	ALIGNMENT WEDGE	245	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1 33:04	1 36:02	WSF	MAH
191	TOP GUIDE	ALIGNMENT WEDGE	260	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1 36:02	1 39:03	WSF	MAH
192	TOP GUIDE	ALIGNMENT WEDGE	280	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1 44:56	1 47:49	WSF	MAH
193	TOP GUIDE	ALIGNMENT WEDGE	290	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1 47:49	1 49:31	WSF	MAH
194	TOP GUIDE	ALIGNMENT WEDGE	305	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1 49:31	1 51:52	WSF	MAH
195	TOP GUIDE	ALIGNMENT WEDGE	320	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1 51:52	1 54:05	WSF	MAH
196	TOP GUIDE	ALIGNMENT WEDGE	335	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1 54:05	1 55:56	WSF	MAH
197	TOP GUIDE	ALIGNMENT WEDGE	350	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1 55:56	1 58:05	WSF	MAH
198	TOP GUIDE	BOTTOM EDGE OF BEAMS	10-19	VT-1	GE SIL 554	NO RELEVANT INDICATIONS	21-Dec-94	94-14	0 52:39	1 01:04	HKH	MAH
199	TOP GUIDE	BOTTOM EDGE OF BEAMS	18-43	VT-1	GE SIL 554	NO RELEVANT INDICATIONS	21-Dec-94	94-14	0 44:48	0 52:39	HKH	MAH
200	TOP GUIDE	BOTTOM EDGE OF BEAMS	26-35	VT-1	GE SIL 554	NO RELEVANT INDICATIONS	21-Dec-94	94-14	0 36:58	0 44:48	HKH	MAH
201	TOP GUIDE	BOTTOM EDGE OF BEAMS	30-15	VT-1	GE SIL 554	NO RELEVANT INDICATIONS	21-Dec-94	94-14	0 24:06	0 36:58	WSF	MAH
202	TOP GUIDE	BOTTOM EDGE OF BEAMS	38-31	VT-1	GE SIL 554	NO RELEVANT INDICATIONS	21-Dec-94	94-14	0 00:32	0 12:30	WSF	MAH

IVVI MATRIX

6/6/95 12:07 PM

LINE	COMP	DESCRIPTION	AZ	EXAM	REQ'MNT	COMMENTS	DATE	TAPE	START	END	LEV II	RWV
203	TOP GUIDE	BOTTOM EDGE OF BEAMS	42-19	VT-1	GE SIL 554	NO RELEVANT INDICATIONS	21-Dec-94	94-14	0.12:30	0.24:06	WSF	MAH
212	TOP GUIDE	HOLD DOWN BOLTING	000	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1.58:05	2.01:44	WSF	MAH
213	TOP GUIDE	HOLD DOWN BOLTING	090	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	0.56:50	0.59:36	JRB	MAH
214	TOP GUIDE	HOLD DOWN BOLTING	180	VT-3	B-N-1	UNDERCUT ON BAIL HANDLE WELD. NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1.14:17	1.22:24	WSF	MAH
215	TOP GUIDE	HOLD DOWN BOLTING	270	VT-3	B-N-1	NO RELEVANT INDICATIONS.	20-Dec-94	94-09	1.39:03	1.44:56	WSF	MAH
216	TOP GUIDE	HOLD DOWN BOLTING AND WEDGES		ENH VT-1	B-N-1	NO AUDIO. Poor quality. <i>RE-EXAMINED. SEE TAPE 94-09</i>	7-Dec-94	94-01	0.25:58	0.49:05	MAH	JLB
229	TOP GUIDE	MISCELLANEOUS				TAG (No. 89) SETTING ON TOP GUIDE AT 120 DEGREES. SEE NOTE 6.	4-Jan-95	94-17	0.01:20	0.01:55	MAH	JLB
217	TOP GUIDE	RING WELD	02-11	ENH VT-1	GE RICSIL-071	NO AUDIO. SUSPECT AT TAPE CNTS 0.22:15. <i>BRUSHED AND RE-EXAMINED. SEE TAPE 94-13</i>	7-Dec-94	94-01	0.19:04	0.25:58	MAH	JLB
218	TOP GUIDE	RING WELD	02-11	ENH VT-1	GE RICSIL-071	NO RELEVANT INDICATIONS.	21-Dec-94	94-13	0.09:39	0.14:56	MJS	JLB
219	TOP GUIDE	RING WELD	02-43	ENH VT-1	GE RICSIL-071	NO RELEVANT INDICATIONS.	8-Dec-94	94-04	0.02:06	0.05:11	RAW	JLB
220	TOP GUIDE	RING WELD	10-03	ENH VT-1	GE RICSIL-071	NO AUDIO. SUSPECT AT TAPE CNTS 0.12:00. <i>BRUSHED AND RE-EXAMINED. SEE TAPE 94-13</i>	7-Dec-94	94-01	0.05:59	0.19:04	MAH	JLB
221	TOP GUIDE	RING WELD	10-03	ENH VT-1	GE RICSIL-071	NO RELEVANT INDICATIONS.	21-Dec-94	94-13	0.14:56	0.18:56	MJS	JLB
222	TOP GUIDE	RING WELD	10-51	ENH VT-1	GE RICSIL-071	SUSPECT AT TAPE CNTS 0.08:25. <i>BRUSHED AND RE-EXAMINED. SEE TAPE 94-13</i>	8-Dec-94	94-04	0.05:11	0.09:00	RAW	JLB
223	TOP GUIDE	RING WELD	10-51	ENH VT-1	GE RICSIL-071	NO RELEVANT INDICATIONS.	21-Dec-94	94-13	0.00:59	0.09:39	MJS	JLB
224	TOP GUIDE	RING WELD	195	ENH VT-1	GE RICSIL-071	NO AUDIO. NON RELEVANT INDICATION AT 0.04:30	7-Dec-94	94-01	0.02:26	0.05:59	MAH	JLB
225	TOP GUIDE	RING WELD	42-04	ENH VT-1	GE RICSIL-071	UNDERCUT AT WELD TOE. NO RELEVANT INDICATIONS.	8-Dec-94	94-04	0.15:01	0.16:35	JRB	JLB
226	TOP GUIDE	RING WELD	42-51	ENH VT-1	GE RICSIL-071	UNDERCUT AT WELD TOE. NO RELEVANT INDICATIONS.	8-Dec-94	94-04	0.16:35	0.18:17	JRB	JLB
227	TOP GUIDE	RING WELD	50-11	ENH VT-1	GE RICSIL-071	UNDERCUT AT WELD TOE. NO RELEVANT INDICATIONS.	8-Dec-94	94-04	0.11:07	0.15:01	JRB	JLB
228	TOP GUIDE	RING WELD	50-43	ENH VT-1	GE RICSIL-071	UNDERCUT AT WELD TOE. NO RELEVANT INDICATIONS.	8-Dec-94	94-04	0.03:20	0.11:07	JRB	JLB
204	TOP GUIDE	TOP EDGE OF BEAMS	02-23	VT-3	B-N-1	NO RELEVANT INDICATIONS.	4-Jan-95	94-16	1.04:15	1.11:58	TMH	JLB
205	TOP GUIDE	TOP EDGE OF BEAMS	10-19	VT-3	B-N-1	NO RELEVANT INDICATIONS.	4-Jan-95	94-16	0.47:52	0.55:39	TMH	JLB

IVVI MATRIX

6/6/95 12:07 PM

LINE	COMP	DESCRIPTION	AZ	EXAM	REQ'MNT	COMMENTS	DATE	TAPE	START	END	LEV II	RVW
206	TOP GUIDE	TOP EDGE OF BEAMS	10-31	VT-3	B-N-1	NO RELEVANT INDICATIONS.						
207	TOP GUIDE	TOP EDGE OF BEAMS	18-11	VT-3	B-N-1	NO RELEVANT INDICATIONS.	4-Jan-95	94-16	0 55:39	1 04:15	TMH	JLB
208	TOP GUIDE	TOP EDGE OF BEAMS	26-35	VT-3	B-N-1	NO RELEVANT INDICATIONS.	4-Jan-95	94-16	0 39:37	0 47:52	TMH	JLB
209	TOP GUIDE	TOP EDGE OF BEAMS	30-15	VT-3	B-N-1	NO RELEVANT INDICATIONS.	4-Jan-95	94-16	0 29:40	0 39:37	TMH	JLB
210	TOP GUIDE	TOP EDGE OF BEAMS	38-31	VT-3	B-N-1	NO RELEVANT INDICATIONS.	4-Jan-95	94-16	0 23:30	0 29:40	TMH	JLB
211	TOP GUIDE	TOP EDGE OF BEAMS	42-19	VT-3	B-N-1	NO RELEVANT INDICATIONS.	4-Jan-95	94-16	0 16:18	0 23:30	TMH	JLB
							4-Jan-95	94-16	0 12:15	0 16:18	TMH	JLB
	N/A	1 MIL WIRE RESOLUTION	N/A	VT-1	N/A	N/A						
212	JET PUMP	JET PUMP DIFFUSER #2	143	VT-1	B-N-1	PLATE TO DIFFUSER WELD/DEBRIS. SEE NOTE 7.	11-Feb-95	94-21	0 00:00	0 00:29	KH	MAH
213	JET PUMP	JET PUMP DIFFUSER #1	157	VT-1	B-N-1	PLATE TO DIFFUSER WELD/DEBRIS. SEE NOTE 7.	11-Feb-95	94-21	0 00:29	0 05:29	KH	MAH
214	JET PUMP					LARGE PIECES OF DEBRIS. SEE NOTE 7.	11-Feb-95	94-21	0 05:29	0 11:38	KH	MAH
215	JET PUMP	JET PUMP DIFFUSER #20	203	VT-1	B-N-1	PLATE TO DIFFUSER WELD/DEBRIS. SEE NOTE 7.			0 09:40			
216	JET PUMP	JET PUMP DIFFUSER #19	217	VT-1	B-N-1	PLATE TO DIFFUSER WELD/DEBRIS. SEE NOTE 7.	11-Feb-95	94-21	0 11:38	0 15:43	KH	MAH
217	JET PUMP	JET PUMP DIFFUSER #18	233	VT-1	B-N-1	PLATE TO DIFFUSER WELD/DEBRIS. SEE NOTE 7.	11-Feb-95	94-21	0 15:43	0 18:28	KH	MAH
218	DBL GUIDE	DBL BLADE GUIDE SEATING.				PLATE TO DIFFUSER WELD/DEBRIS. SEE NOTE 7.	11-Feb-95	94-21	0 18:28	0 21:44	KH	MAH
219	DBL GUIDE	CELL #06-39		VT-1	B-N-1	NO RELEVANT INDICATIONS.						
220	DBL GUIDE	CELL #10-07		VT-1	B-N-1	NO RELEVANT INDICATIONS.	11-Feb-95	94-21	0 21:44	0 22:11	TH	MAH
221	DBL GUIDE	CELL #42-07		VT-1	B-N-1	NO RELEVANT INDICATIONS.	11-Feb-95	94-21	0 22:11	0 22:25	TH	MAH
222	DBL GUIDE	CELL #42-11		VT-1	B-N-1	NO RELEVANT INDICATIONS.	11-Feb-95	94-21	0 22:25	0 23:16	TH	MAH
223	DBL GUIDE	CELL #46-11		VT-1	B-N-1	NO RELEVANT INDICATIONS.	11-Feb-95	94-21	0 23:16	0 24:06	TH	MAH
224	DBL GUIDE	CELL #46-39		VT-1	B-N-1	NO RELEVANT INDICATIONS.	11-Feb-95	94-21	0 24:06	0 24:48	TH	MAH
225	DBL GUIDE	CELL #46-43		VT-1	B-N-1	NO RELEVANT INDICATIONS.	11-Feb-95	94-21	0 24:48	0 25:03	TH	MAH
226	DBL GUIDE	CELL #50-35		VT-1	B-N-1	NO RELEVANT INDICATIONS.	11-Feb-95	94-21	0 25:03	0 25:39	TH	MAH
227	JET PUMP	JET PUMP DIFFUSER #3	127	VT-1	B-N-1	PLATE TO DIFFUSER WELD/DEBRIS. SEE NOTE 7.	11-Feb-95	94-21	0 25:39	0 27:08	TH	MAH
228	JET PUMP					LARGE PIECES OF DEBRIS. SEE NOTE 7.	11-Feb-95	94-21	0 27:08	0 28:26	TH	MAH
229	JET PUMP	JET PUMP DIFFUSER #4	113	VT-1	B-N-1	PLATE TO DIFFUSER WELD/HEAVY DEBRIS. SEE NOTE 7.			0 28:25			
230	JET PUMP	JET PUMP DIFFUSER #5	97	VT-1	B-N-1	PLATE TO DIFFUSER WELD/HEAVY DEBRIS. SEE NOTE 7.	11-Feb-95	94-21	0 28:26	0 29:51	TH	MAH
231	JET PUMP	JET PUMP DIFFUSER #6	83	VT-1	B-N-1	PLATE TO DIFFUSER WELD/DEBRIS. SEE NOTE 7.	11-Feb-95	94-21	0 30:47	0 31:55	TH	MAH
232	DBL GUIDE	DBL BLADE GUIDE SEATING.										
233	DBL GUIDE	CELL 42-11		VT-1	B-N-1	NO RELEVANT INDICATIONS.						
234	DBL GUIDE	CELL 46-15		VT-1	B-N-1	NO RELEVANT INDICATIONS.	11-Feb-95	94-21	0 31:54	0 33:24	TH	MAH
235	JET PUMP	JET PUMP DIFFUSER #16		VT-1	B-N-1	PLATE TO DIFFUSER WELD/HEAVY DEBRIS. SEE NOTE 7.	11-Feb-95	94-21	0 33:24	0 34:07	TH	MAH
236	NEW FUEL	NEW FUEL INSPECTION.					11-Feb-95	94-21	0 34:07	0 39:03	TH	MAH

JAMES A. FITZPATRICK R.P.P.
1984 REELECTING OUTAGE

DATA MATRIX

8/1/85 1:13 PM

LINE	COMP	DESCRIPTION	AZ	EXAM	REQ	COMMENTS	DATE	TAPE	START	END	LEV	RMV
237	NEW FUEL	LI-8 RACK 13		VT-1	BH-1	NO RELEVANT INDICATIONS.	11-Feb-85	94-21	0:32:03	0:33:54	BH	MAH
238	NEW FUEL	QQ-7 RACK 3		VT-1	BH-1	NO RELEVANT INDICATIONS.	11-Feb-85	94-21	0:33:54	0:40:28	BH	MAH
239	NEW FUEL	RR-1 RACK 14		VT-1	BH-1	NO RELEVANT INDICATIONS.	11-Feb-85	94-21	0:40:28	0:41:13	BH	MAH
240	NEW FUEL	P2-11 RACK 15		VT-1	BH-1	NO RELEVANT INDICATIONS.	11-Feb-85	94-21	0:41:13	0:43:01	BH	MAH
241	NEW FUEL	XJ-8 RACK 54		VT-1	BH-1	NO RELEVANT INDICATIONS.	11-Feb-85	94-21	0:43:01	0:43:40	TH	MAH
242	JET PUMP	JET PUMP DIFFUSER #17	247	VT-1	BH-1	PLATE TO DIFFUSER WELD DEBRIS. SEE NOTE 7.	5-Mar-85	94-19	0:37:17	0:42:17	RB	MAH

NOTE 1: PARTS REMOVED PER WR-84-104-B-03

NOTE 2: DAMAGED NOZZLES ARE THE SAME AS THOSE NOTED ON RF-10 INSPECTION.

NOTE 3: GAP EVALUATED PER GENE LETTER FROM D. DRENDEL TO P. QUINN DATED 3/21/85.

NOTE 4: TAPE REMOVED DURING VACUUMING PER WR-85-08887-04.

NOTE 5: P TTING OR CRUD FLAKING. EVALUATED PER GENE LETTER FROM D. DRENDEL TO P. QUINN DATED 3/21/85.

NOTE 6: TAG NEVER RETRIEVED. ANALYZED IN LOST PARTS ANALYSIS 86-NE-T23-08700-14-6.

NOTE 7: THE PLATE TO DIFFUSER WELDS WERE VACUUMED ON JET PUMP 1, 2, 3, 4, 5, 6, 16, 18, 19 & 20. THERE IS DEBRIS TO HEAVY DEBRIS ON EACH WELD. THIS DEBRIS COULD NOT BE VACUUMED DUE TO BEING FUSED TO THE WELD. THEREFORE, MAI CREDIT CAN NOT BE TAKEN FOR THESE WELDS. NO RELEVANT INDICATIONS WERE DETECTED WHILE ATTEMPTING TO INSPECT THESE AREAS.

In-Vessel Ultrasonic Examinations

**James A. FitzPatrick NPP
Shroud and Steam Dryer
Ultrasonic Inspections
December, 1994**

REPORT SUMMARY

Introduction

The New York Power Authority (NYPA) contracted GE Nuclear Energy (GENE) to provide personnel and equipment to perform Shroud and Steam Dryer Ultrasonic selected welds. The scope of inspections were selected by NYPA and performed by GE using NYPA procedure NDEP 9.5-6 Rev. 4 and GE Procedures UT-FPK-503V2, GE-ADM-1018, and UT-FPK-505V0.

The shroud horizontal weld inspections were performed using remote automated ultrasonic inspection equipment. These inspections were performed in parallel with the core offload and fuel shuffling. The process went extremely well; such that the inspection process did not impact the performance of the other activities.

The inspections of the vertical welds were performed using a combination of suction cup scanner UT equipment and remote underwater camera visual equipment.

A key factor in the successful integration of the inspection process was the advance performance of a shroud annulus pre-inspection interference check. This check was performed to identify potential obstructions on the shroud or within the annulus which would not necessarily show up on the as-built drawings. This inspection was performed in parallel with the visual inspection on the shroud support plate and gusset visual inspection. Manpower levels were increased to take advantage of both the refueling platform and the temporary work bridge.

Personnel

Examiners performing the inspections were Level II qualified in automated UT exams. Evaluations of the UT inspections were performed by Level III UT qualified personnel. Copies of personnel certification records may be found in Section 8 of this report.

Equipment

The Shroud UT was performed using the following systems:

- OD Tracker Scanner:
- Smart 2000 digitized Ultrasonic data acquisition equipment
- Suction Cup UT Tool

The Steam Dryer Support Ring UT was performed using the following systems:

- Dryer Support Ring Special Ultrasonic Fixture

Summary of Examinations:

Remote, automated ultrasonic examinations were performed on four (4) circumferential and four (4) vertical seam welds. The results of these examinations are reported in Data Sheets #94-001 thru 94-008 and are summarized below:

- H-3 2 Reportable Indications
- H-2 22 Reportable Indications
- H-6A No Reportable Indications
- H-6B No Reportable Indications
- V-4A No Reportable Indications
- V-4B No Reportable Indications
- V-5A No Reportable Indications
- V-5B No Reportable Indications

An ultrasonic examination was performed on 4 selected areas of the steam dryer mid support ring. The locations were selected based upon indications detected during visual inspections performed in 1992. Depth and length of these indications is reported in Section 10 of this report.

Sizing details on the indications reported on the H-2 and H-3 Shroud welds are included in Section 4 of this report.

In addition to the Shroud UT examinations, visual inspections were performed on additional shroud welds. The results are summarized below:

- V-2A No Reportable Indications
- V-2B No Reportable Indications
- V-3A No Reportable Indications
- V-3B No Reportable Indications
- V-3C No Reportable Indications
- V-3D No Reportable Indications
- V-3E No Reportable Indications
- V-3F No Reportable Indications
- V-8B No Reportable Indications
- S-H9 No Reportable Indications
- Gusset Plate Welds No Reportable Indications

The inspection details for the visual exams are listed in the In Vessel Visual Inspection Report.

CORE SHROUD INSPECTION

WELD NO.	PROPOSED COVERAGE	INSPECTION STATUS	ACTUAL COVERAGE	TYPE	NOTES
H2	78%	Complete	82%	UT	Approx. 35" planar flaws - intermittent - < 0.75" depth
H3	76%	Complete	82%	UT	Two small planar flaws: 1.42" aggregate length
H6a	65%	Complete	58%	UT	No relevant indications
H6b	65%	Complete	61%	UT	No relevant indications
GUSSET PLATE WELDS	Accessible areas on 10 plates	Complete	Accessible areas on 10 plates	EVT-1	No relevant indications
H9	~ 40"	Complete	~ 40"	EVT-1	No relevant indications
SV2a	6" minimum	Complete	6"	EVT-1	No relevant indications
SV2b	6" minimum	Complete	6"	EVT-1	No relevant indications
SV3a	100%	Complete	100%	EVT-1	No relevant indications
SV3b	100%	Complete	100%	EVT-1	No relevant indications
SV3c	100%	Complete	100%	EVT-1	No relevant indications
SV3d	100%	Complete	100%	EVT-1	No relevant indications
SV3e	100%	Complete	100%	EVT-1	No relevant indications
SV3f	100%	Complete	100%	EVT-1	No relevant indications
SV4a	20%	Complete	20%	UT	No relevant indications
SV4b	20%	Complete	20%	UT	No relevant indications
SV5a	20%	Complete	20%	UT	No relevant indications
SV5b	20%	Complete	20%	UT	No relevant indications
SV8b	100%	Complete	100%	EVT-1	No relevant indications



GE Nuclear Energy

EXAMINATION SUMMARY SHEET

REPORT NO.:

94-002

PROJECT: J.A.FITZPATRICK

PROCEDURE: UT-FPK-503V2

REV: 0

FRR: N/A

SYSTEM: CORE SHROUD

WELD NO.: H-2

CONFIGURATION: SHELL TO FLANGE RING

EXAMINER: CHRIS MCKEAN LEVEL: II

EXAMINER: ED SVITZER LEVEL: II

EXAMINER: N/A LEVEL: N/A

N/A REV: N/A FRR: N/A

N/A REV: N/A FRR: N/A

☐ MT ☐ PT ☒ UT ☐ VT☒ CIRCUMFERENTIALWELD TYPE: ☐ LONGITUDINAL ☐ OTHER

DATA SHEET NO.(S): D-002

CAL SHEET NO.(S): C-004, C-005, C-006, C-007, C-008, C-009

During the ultrasonic examination of the above referenced weld, twenty two (22) indications which displayed the characteristics of IGSCC/IASCC were recorded by the Smart 2000 System utilizing 45° shear wave, OD creeping wave and 60° refracted longitudinal (RL) wave search units.

These indications have the following parameters:

Indication Number	*Distance CW from Vessel 'O'	Lug Set	*Total Length	Flaw Depth	Weld Side	Surface Connection	Flaw Type	Search Unit Detection
1	44.56°/73.52"	6	.82°/1.35	**	Lower	OD	Planar	ODCR/60° RL
2	17.90°/29.54"	3	.26°/1.43"	**	Upper	ID	Planar	45°S/60°RL
3	19.23°/31.73"	3	.57°/1.94"	**	Upper	ID	Planar	45°S/ 60°RL
4	20.52°/33.86"	3	1.43°/2.36"	**	Upper	ID	Planar	45°S/60°RL
5	48.68°/80.32"	6	.87°/1.44"	**	Upper	ID	Planar	45°S/60°RL
6	59.23°/97.73"	7	1.49°/2.46"	**	Upper	ID	Planar	45°S/60°RL
7	81.34°/134.21"	9	.46°/1.76"	**	Upper	ID	Planar	45°S/60°RL
8	82.31°/135.81"	9	2.82°/4.65"	**	Upper	ID	Planar	45°S/60°RL
9	99.86°/164.77"	11	.71°/1.17"	**	Upper	ID	Planar	45°S/60°RL
10	111.75°/184.39"	12	2.71°/4.47"	**	Upper	ID	Planar	45°S/60°RL
11	120.11°/198.18"	13	1.38°/2.28"	**	Upper	ID	Planar	45°S/60°RL
12	122.88°/202.75"	13	3.37°/5.56"	**	Upper	ID	Planar	45°S/ 60°RL
13	128.32°/211.73"	14	.72°/1.19"	**	Upper	ID	Planar	45°S/60°RL
14	231.08°/381.28"	24	.87°/1.44"	**	Upper	ID	Planar	45°S/60°RL
15	328.01°/541.22"	34	.21°/1.35"	**	Upper	ID	Planar	45°S/60°RL
16	331.48°/546.94"	34	.21°/1.35"	**	Upper	ID	Planar	45°S/60°RL
17	332.00°/547.80"	34	.51°/1.84"	**	Upper	ID	Planar	45°S/60°RL
18	333.03°/549.50"	34	.41°/1.68"	**	Upper	ID	Planar	45°S/60°RL
19	337.75°/557.29"	35	.41°/1.68"	**	Upper	ID	Planar	45°S/60°RL
20	342.00°/564.30"	35	.41°/1.68"	**	Upper	ID	Planar	45°S/60°RL
21	343.28°/566.41"	35	.30°/1.50"	**	Upper	ID	Planar	45°S/60°RL
22	345.28°/569.71"	35	.26°/1.43"	**	Upper	ID	Planar	45°S/60°RL
TOTALS			21.2° / 34.98°					

* Measurements are in Degrees ° / Inches " ** Depth < 1/2t

Circumferential (L) dimensions were recorded in angular units. The conversion factor for linear units is 1.65 inches per degree.

The exam was limited to the areas scanned due to obstructions from the guide pins and core spray downcomers.

Exam Area: Examined 30 Lugsets for a total scanned area of 296.78° / 489.69° which represents 82.44% of the total weld length.

Inside and Outside surface geometry was also recorded.

- 2 Inds 5/2/94

SUMMARY BY

LEVEL

DATE

Per Telecon with Wes Money, Lv III 12/14/94

GE REVIEWED BY

LEVEL

DATE

N/A

GE INDEPENDENT REVIEW

N/A

DATE

UTILITY REVIEW

DATE

PAGE: 1 OF: 24

FORM UT-00 REV 8



GE Nuclear Energy

EXAMINATION SUMMARY SHEET

REPORT NO.:

94-001

PROJECT: J.A.FITZPATRICK

PROCEDURE: UT-FPK-503V2

REV: 0

FRR: N/A

N/A

N/A

SYSTEM: CORE SHROUD

WELD NO.: H-3

N/A

REV: N/A

FRR: N/A

N/A

N/A

CONFIGURATION: FLANGE RING TO SHELL

N/A

REV: N/A

FRR: N/A

N/A

N/A

EXAMINER: CHRIS MCKEAN LEVEL: II

☐ MT

☐ PT

☒ UT

☐ VT

EXAMINER: ED SWITZER LEVEL: II

☒ CIRCUMFERENTIAL

EXAMINER: N/A LEVEL: N/A

WELD TYPE:

☐ LONGITUDINAL

☐ OTHER

DATA SHEET NO.(S): D-001

CAL SHEET NO.(S): C-001, C-002, C-003

During the ultrasonic examination of the above referenced weld, two (2) indications which displayed the characteristics of IGSCC/IASCC were recorded by the Smart 2000 System utilizing 45° shear wave, OD creeping wave and 60° refracted longitudinal (RL) wave search units.

These indications have the following parameters:

Indication Number	*Distance CW from Vessel 'O'	Lug Set	*Total Length	Flaw Depth	Weld Side	Surface Connection	Flaw Type	Search Unit Detection
1	44.78°/69.41"	6	.26°/.40"	**	Lower	OD	Planar	45°S/60°RL/ODCR
2	86.23°/133.66"	10	.66°/1.02"	**	Lower	ID	Planar	45°S/60°RL

* Measurements are in Degrees * / Inches "

** Depth < 1/2t

Circumferential (L) dimensions were recorded in angular units. The conversion factor for linear units is 1.55 inches per degree.

This examination was performed from the shroud plate side only due to the flange configuration. The exam was limited to the areas scanned due to obstructions from the guide pins and core spray downcomers.

Exam Area: Examined 30 Lugsets for a total scanned area of 296.76° / 459.98" which represents 82.43% of the total weld length.

Inside and Outside surface geometry was also recorded.

20 Anderson 5/2/95

SUMMARY BY: *W. Money* LEVEL: III DATE: 12-12-94

Per Telecon with Wes Money, Lv.III 12/12/94

GE REVIEWED BY: LEVEL: DATE:

N/A

GE INDEPENDENT REVIEW

N/A

DATE

J.A. Fitzpatrick 12-20-94
UTILITY REVIEW DATE

PAGE: 1 OF: 23

FORM UT-08 REV 8



GE Nuclear Energy

EXAMINATION SUMMARY SHEET

REPORT NO.:
94-004

PROJECT: J.A.FITZPATRICK

PROCEDURE: UT-FPK-503V2

REV: 0 FRR: N/A

SYSTEM: CORE SHROUD

N/A

REV: N/A FRR: N/A

WELD NO.: H-6A

N/A

CONFIGURATION: SHELL TO SUPPORT RING

N/A

REV: N/A FRR: N/A

EXAMINER: CHRIS MCKEAN LEVEL: II

N/A

EXAMINER: N/A LEVEL: N/A

N/A

EXAMINER: N/A LEVEL: N/A

N/A

DATA SHEET NO.(S): D-004

☐ MT ☐ PT ☒ UT ☐ VT

WELD TYPE:

☒ CIRCUMFERENTIAL

☐ LONGITUDINAL ☐ OTHER

CAL SHEET NO.(S): C-016, C-017, C-018
C-019, C-020, C-021

During the ultrasonic examination of the above referenced weld, no indications associated with IGSCC/IASCC were recorded by the Smart 2000 System utilizing 45° shear wave, OD creeping wave and 60° refracted longitudinal (RL) wave search units.

Weld geometry was recorded.

The exam was limited to the areas scanned due to obstructions from the guide pins, core spray downcomers, instrument brackets and vibration lines.

Exam Area: Examined 23 Lugsets for a total scanned area of 209.15° / 324.18" which represents 58.09% of the total weld length.

Hehlitz III 12-16-94
SUMMARY BY LEVEL DATE

N/A
GE INDEPENDENT REVIEW

N/A
DATE

Per Telecon with Wes Money, Lv.III 12/16/94

GE REVIEWED BY LEVEL DATE

Hehlitz III 12-20-94
UTILITY REVIEW DATE

12-20-94
DATE

PAGE: 1 OF: 20

FORM UT-06 REV 8



GE Nuclear Energy

EXAMINATION SUMMARY SHEET

REPORT NO.:

94-003

PROJECT: J.A.FITZPATRICK

PROCEDURE: UT-FPK-503V2

REV: 0

FRR: N/A

N/A

N/A

SYSTEM: CORE SHROUD

WELD NO.: H-6B

N/A

REV: N/A

FRR: N/A

N/A

N/A

CONFIGURATION: SUPPORT RING TO SHELL

N/A

REV: N/A

FRR: N/A

N/A

N/A

EXAMINER: CHRIS MCKEAN LEVEL: II

☐ MT

☐ PT

☒ UT

☐ VT

EXAMINER: ED SWITZER LEVEL: II

☒ CIRCUMFERENTIAL

EXAMINER: N/A LEVEL: N/A

WELD TYPE:

☐ LONGITUDINAL

☐ OTHER

DATA SHEET NO.(S): D-003

CAL SHEET NO.(S): C-010, C-011, C-012

C-013, C-014, C-015

During the ultrasonic examination of the above referenced weld, no indications associated with IGSCC/IASCC were recorded by the Smart 2000 System utilizing 45° shear wave, OD creeping wave and 60° refracted longitudinal (RL) wave search units.

Inside surface geometry and weld geometry (acoustic interface) was recorded.

The exam was limited to the areas scanned due to obstructions from the guide pins, core spray downcomers, instrument brackets and vibration lines.

Exam Area: Examined 24 Lugsets for a total scanned area of 222.07° / 344.21° which represents 61.69% of the total weld length.

2005/5/2/95

Ballitt

II

12-14-94

SUMMARY BY

LEVEL

DATE

N/A

GE INDEPENDENT REVIEW

N/A

DATE

Per Telecon with Wes Money, Lv.III 12/15/94

GE REVIEWED BY

LEVEL

DATE

NYAL
UTILITY REVIEW

2-20-94

DATE

PAGE: 1 OF: 19

FORM UT-00 REV 6



GE Nuclear Energy

EXAMINATION SUMMARY SHEET

REPORT NO.:

94-005

PROJECT: J.A.FITZPATRICK

PROCEDURE: UT-FPK-503V2

REV: 0

FRR: N/A

N/A

N/A

SYSTEM: CORE SHROUD

N/A

REV: N/A

FRR: N/A

N/A

N/A

WELD NO.: V-4A

CONFIGURATION: PLATE TO PLATE

N/A

REV: N/A

FRR: N/A

N/A

N/A

EXAMINER: ED SWITZER

LEVEL: II

EXAMINER: CHRIS MCKEAN

LEVEL: II

EXAMINER: N/A

LEVEL: N/A

☐ MT

☐ PT

☒ UT

☐ VT

☐ CIRCUMFERENTIAL

WELD TYPE:

☐ LONGITUDINAL

☒ OTHER VERT SEAM

DATA SHEET NO.(S): D-005

CAL SHEET NO.(S): C-022, C-023, C-024

During the ultrasonic examination of the above referenced weld, no indications associated with IGSCC/IASCC were recorded by the Smart 2000 System utilizing 45° shear wave, OD creeping wave and 60° refracted longitudinal (RL) wave search units.

Weld geometry was recorded.

These examinations were performed on 6" of vertical seam weld above the H-4 circ weld

W. Schmitt

III 12-17-94

SUMMARY BY

LEVEL DATE

N/A

N/A

GE INDEPENDENT REVIEW

DATE

Per Telecon with Wes Money, Lv.III 12/18/94

GE REVIEWED BY

LEVEL DATE

UTILITY REVIEW

DATE

PAGE: 1 OF: 9

FORM UT-68 REV 8



GE Nuclear Energy

EXAMINATION SUMMARY SHEET

REPORT NO.:
94-006

PROJECT: J.A.FITZPATRICK

PROCEDURE: UT-FPK-503V2

REV: 0

FRR:

N/A

N/A

N/A

SYSTEM: CORE SHROUD

WELD NO.: V-4B

N/A

REV: N/A

FRR:

N/A

N/A

N/A

CONFIGURATION: PLATE TO PLATE

N/A

REV: N/A

FRR:

N/A

N/A

N/A

EXAMINER: ED SWITZER

LEVEL: II

EXAMINER: CHRIS MCKEAN

LEVEL: II

EXAMINER: N/A

LEVEL: N/A

☐ MT

☐ PT

☒ UT

☐ VT

☐ CIRCUMFERENTIAL

WELD TYPE:

☐ LONGITUDINAL

☒ OTHER VERT SEAM

DATA SHEET NO.(S): D-006

CAL SHEET NO.(S): C-025, C-026, C-027

During the ultrasonic examination of the above referenced weld, no indications associated with IGSCC/IASCC were recorded by the Smart 2000 System utilizing 45° shear wave, OD creeping wave and 60° refracted longitudinal (RL) wave search units.

Weld geometry was recorded.

These examinations were performed on 6" of vertical seam weld above the H-4 circ weld

SUMMARY BY

LEVEL

DATE

GE INDEPENDENT REVIEW

DATE

Per Telecon with Wes Money, Lv III 12/15/94

GE REVIEWED BY

LEVEL

DATE

UTILITY REVIEW

DATE

PAGE: 1 OF: 10

FORM UT-06 REV 6



GE Nuclear Energy

EXAMINATION SUMMARY SHEET

REPORT NO.:

94-007

PROJECT: J.A.FITZPATRICK

PROCEDURE: UT-FPK-503V2

REV: 0

FRR: N/A

SYSTEM: CORE SHROUD

WELD NO.: V-5A

CONFIGURATION: PLATE TO PLATE

EXAMINER: ED SWITZER

LEVEL: II

EXAMINER: CHRIS MCKEAN

LEVEL: II

EXAMINER: N/A

LEVEL: N/A

N/A

REV: N/A

FRR: N/A

N/A

REV: N/A

FRR: N/A

☐ MT

☐ PT

☒ UT

☐ VT

☐ CIRCUMFERENTIAL

WELD TYPE:

☐ LONGITUDINAL

☒ OTHER VERT SEAM

DATA SHEET NO.(S): D-007

CAL SHEET NO.(S): C-028, C-029, C-030

During the ultrasonic examination of the above referenced weld, no indications associated with IGSCC/IASCC were recorded by the Smart 2000 System utilizing 45° shear wave, OD creeping wave and 60° refracted longitudinal (RL) wave search units.

Weld geometry was recorded.

These examinations were performed on 6" of vertical seam weld below the H-4 circ weld

ASchmitt

II

12-17-94

SUMMARY BY

LEVEL

DATE

N/A

N/A

GE INDEPENDENT REVIEW

DATE

Per Telecon with Wes Money, Lv.III 12/18/94

GE REVIEWED BY

LEVEL

DATE

UTILITY REVIEW

DATE

PAGE: 1 OF: 2

FORM UT-00 REV. 2

20 Aug 95 9/2/95

Ed Switzer NYPA L-III 12-20-94



GE Nuclear Energy

EXAMINATION SUMMARY SHEET

REPORT NO.:

94-008

PROJECT: J.A.FITZPATRICK

PROCEDURE: UT-FPK-503V2

REV: 0

FRR: N/A

N/A

N/A

SYSTEM: CORE SHROUD

N/A

REV: N/A

FRR: N/A

N/A

N/A

WELD NO.: V-5B

N/A

REV: N/A

FRR: N/A

N/A

N/A

CONFIGURATION: PLATE TO PLATE

EXAMINER: ED SWITZER

LEVEL: II

☐ MT

☐ PT

☒ UT

☐ VT

EXAMINER: CHRIS MCKEAN

LEVEL: II

☐ CIRCUMFERENTIAL

EXAMINER: N/A

LEVEL: N/A

WELD TYPE:

☐ LONGITUDINAL

☒ OTHER VERT SEAM

DATA SHEET NO.(S): D-008

CAL SHEET NO.(S): C-031, C-032, C-033

During the ultrasonic examination of the above referenced weld, no indications associated with IGSCC/IASCC were recorded by the Smart 2000 System utilizing 45° shear wave, OD creeping wave and 60° refracted longitudinal (RL) wave search units.

Weld geometry was recorded.

These examinations were performed on 6" of vertical seam weld below the H-4 circ weld

20 Andrus 5/2/95

SUMMARY BY J.L. Schmitt LEVEL III DATE 12-17-94

N/A
GE INDEPENDENT REVIEW

N/A
DATE

Per Telecon with Wes Money, Lv.III 12/18/94

GE REVIEWED BY _____ LEVEL _____ DATE _____

UTILITY REVIEW

DATE

PAGE: 1 OF: 9

FORM 17-00 REV 4