



JUN 26 2003

L-2003-162  
10 CFR 50.55a

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

Re: Turkey Point Unit 3  
Docket No. 50-250  
Inservice Inspection Report

Attached are the Executive Summary and the following reports for Turkey Point Unit 3 in accordance with the provisions of the ASME Code, Section XI:

- Form NIS-1 Owners' Report for Inservice Inspections.
- Form NIS-2 Owners' Report for Repairs or Replacements.
- Form NIS-BB Owners' Data Report for Eddy Current Examination Results.
- Summary of Visual Examinations and Functional Testing of Snubbers.
- Summary of Inservice Inspection Examinations.
- Summary of IWE Examinations.
- Summary of System Pressure Testing.

Should there be any questions concerning this report, please contact Walter Parker at 305-246-6632.

Very truly yours,

Terry O. Jones  
Vice President  
Turkey Point Plant

SM

Attachments

NRC Regulatory Issue Summary 2001-05 waived the requirements that multiple copies of documents be submitted to the NRC

A047

# **TURKEY POINT PLANT**

## **UNIT 3**

### **2003 REFUELING OUTAGE INSERVICE INSPECTION REPORT**

#### **Executive Summary**

This Inservice Inspection report is for the 2003 Turkey Point Unit 3 refueling outage. This was the second outage of the third period in the third ten-year interval. The third 10-year interval will be extended by eight months by implementing paragraph IWA-2430(d) of the ASME Section . This extension was necessary to meet the station's goals and to schedule work in an effective manner consistent with ALARA principles. Turkey Point licensing group requested a phone conversation with the Nuclear Regulatory Commission on June 13, 2002 to discuss this matter and followed-up with a letter, L-2002-125, on June 26, 2002.

Inservice examinations consisted of augmented Feedwater ultrasonic examinations on the A, B and C Steam Generator Feedwater nozzles, adjacent piping, and fittings. Also examined were selected components from the Reactor Pressure Vessel, Reactor Coolant, Reactor Coolant Pump "A", Residual Heat Removal, Safety Injection, Main Feedwater, Main Feedwater Bypass, Main Steam, Steam Generator Blowdown, Steam Generator A, B and C Secondary Side, Chemical and Volume Control and Component Cooling Water systems. The attached Inservice Inspection summary tables detail the examinations performed during the outage.

The attached NIS-2 forms document the repairs and replacement activities that have taken place since the previous Unit 3 submittal, and those performed during the 2003 refueling outage.

IWE Visual examination of selected containment penetrations and a general visual examination of containment surfaces were conducted. This is the second outage of the second inspection period in the first ten-year interval for the IWE Program.

Snubber visual examinations and functional tests were conducted in accordance with ASME Section XI and Turkey Point Plant Technical Specifications as allowed under Relief Request number 4.

System pressure testing was conducted by FPL visual examiners to meet the requirements of ASME Section XI Code and Turkey Point Technical Specifications as allowed under Relief Requests number 9, 11, 12, and 16.

Steam Generator eddy current examinations were conducted in steam generators 3A, 3B and 3C. The number and extent of tubes examined was 100% of all inservice tubes, in row 3 and higher, in S/G's 3A, 3B and 3C from tube end to tube end using the bobbin coil technique. The bobbin coil technique was also used to examine the hot let and cold leg straight sections of rows 1 and 2 in all three S/G's. The motorized rotating pancake coil technique (Plus Point) was used to examine 100% of the hot leg tube expansion transitions in S/G's 3A, 3B and 3C. Additional Plus Point examinations were performed in approximately 50% of the Row 1 and Row 2 U-bends and approximately 50% of the hot leg dents ( $\geq 5$  volts). This is shown under "Total Tubes Inspected" on the attached "FORM NIS-BB 'OWNERS' DATA REPORT FOR EDDY CURRENT EXAMINATION RESULTS" (Attachment 1).

**TURKEY POINT  
UNIT 3**

**2003 REFUELING OUTAGE**

**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

**FORM NIS-1 Report**

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Owner: Florida Power & Light Company, 700 Universe Blvd. Juno Beach, Florida 33408  
Plant: Turkey Point Nuclear Power Plant, 9760 SW 344 Street, Florida City, Florida 33035  
Plant Unit: 3  
Owner Certificate of Authorization (if required) N/A  
Commercial Service Date : December 14, 1972  
National Board Number for Unit: N/A

1. **Owner:** Florida Power and Light Company  
700 Universe Blvd.  
Juno Beach, Florida 33408
2. **Plant:** Florida Power & Light Company  
Turkey Point Nuclear Power Plant  
9760 SW 344 Street  
Florida City, Florida 33035
3. **Plant Unit:** 3
4. **Owner Certificate of Authorization (if required):** N/A
5. **Commercial Service Date:** December 14, 1972
6. **National Board Number for Unit:** N/A
7. **Components Inspected:**

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Pressure Vessel	Babcock and Wilcox	610-0116	N/A	N-160
Regenerative Heat Exchanger	Westinghouse	3E200	N/A	N/A
Reactor Coolant System	Bechtel	N/A	N/A	N/A
Reactor Coolant Pump A	Westinghouse	5-618J713	N/A	N/A
Chemical and Volume Control	Bechtel	N/A	N/A	N/A
Safety Injection System	Bechtel	N/A	N/A	N/A
RHR System	Bechtel	N/A	N/A	N/A
Steam Generator A, B, C	Westinghouse	16A-6341-1,2,3 FSGT-2991, 2992, 2993	N/A	N/A
Main Steam System	Bechtel	N/A	N/A	N/A
Main Steam Blowdown	Bechtel	N/A	N/A	N/A
Main Feedwater Bypass	Bechtel	N/A	N/A	N/A
Main Feedwater System	Bechtel	N/A	N/A	N/A
Component Cooling	Bechtel	N/A	N/A	N/A

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8. **Examination Dates:** from 3/28/01 to 3/28/03
9. **Inspection Period Identification:** Third Period, from 2/22/2001 to 2/21/2004.
10. **Inspection Interval Identification:** Third Interval, from 2/22/1994 to 2/21/2004.
11. **Applicable Edition of Section XI:** 1989, No Addenda, (IWE) 1992/1992 Addenda
12. **Date/Revision of Inspection Plan:** January 28, 2003 Revision 3.
13. **Abstract of examinations and test. Include a list of examinations and tests and a statement concerning status of work required for the inspection plan.**

Inservice Examination of selected Class 1, 2 and 3 components and piping systems of Florida Power and Light's (FPL) Turkey Point Unit 3 were performed during the 2003 Refueling Outage. This outage began on 3/1/2003 and ended 3/28/2003. This was the second outage of the third period of the third ten-year interval. The third 10-year interval will be extended by eight months by implementing paragraph IWA-2430(d) of the ASME Section . This extension was necessary to meet the station's goals and to schedule work in an effective manner consistent with ALARA principles. Turkey Point licensing group requested a phone conversation with the Nuclear Regulatory Commission June 13, 2002 to discuss this matter and followed-up with a letter, L-2002-125, on June 26, 2002.

The components and piping systems examined have been selected in accordance with the Third Ten-Year Inservice Inspection Program. This is an alternative Inservice Inspection Plan to the current plan described in American Society of Mechanical Engineers (ASME) Section XI, 1989 Edition, No Addenda. The alternative Plan allows examination selection for Unit 3 to be in accordance with "Florida Power & Light Turkey Point Unit 3 Risk-Informed Inservice Inspection Program (RR #27)."

Manual Ultrasonic, Radiography, Visual, Magnetic Particle, and Liquid Penetrant non-destructive methods were used to examine components, piping, and their supports. FPL personnel supported by Framatome personnel performed the examinations. See the attached report: *Turkey Point Unit 3 Inservice Inspection* for examination scope and results.

FPL personnel supported by Framatome personnel conducted Eddy Current examinations on Steam Generators A, B, and C from 3/9/2003 through 3/13/2003. Three tubes were plugged during this outage. See the attached NIS-BB report for the summary of examination results.

Snubber visual examinations and functional testing were conducted in accordance with ASME Section XI and Turkey Point Technical Specifications as allowed under Relief Request number 4. Basic-PSA, Inc supplied examination and testing services. See the attached report: *Summary of Visual Examinations and Functional Testing of Snubbers* for examination scope and results.

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System pressure testing was conducted by FPL visual examiners to meet the requirements of ASME Section XI Code and Turkey Point Technical Specifications as allowed under Relief Requests number 9, 11, 12, and 16. See the attached report: *Summary of System Pressure Testing* for test boundaries and results.

IWE Visual examination of selected containment penetrations and a general visual examination of containment surfaces were conducted. FPL personnel supported by Framatome personnel performed the examinations. See the attached report: *Turkey Point Unit 3 IWE Inspection* for examination scope and results. This is the second outage of the second inspection period in the first ten-year interval for the IWE Program.

#### **14. Abstract of Results of Examinations and Tests.**

##### **Class 1**

##### **Reactor Pressure Vessel**

Reactor Pressure Vessel's ligaments around stud holes were examined by the ultrasonic method. No reportable indications were identified.

One-third of the studs and nuts were examined with Magnetic Particle and Ultrasonic examination methods and one-third of the large and small washers were visually examined. No reportable indications were identified.

CRDMS P-55, 61 and 67 were examined with the surface method. No reportable indications were identified.

Two RPV Closure Head Nuts (#45 and #46) were found damaged ("Belled" at the bottom). A pre-service examination was performed on the replacement nuts. (Refer to section 15, "Abstract of Corrective Measures"). No additional reportable indications were identified.

##### **Reactor Coolant System**

Reactor Coolant piping welds and supports were examined with the surface, volumetric and visual methods. One support was found to have a larger clearance gap than allowed by the support drawing (Refer to section 15, "Abstract of Corrective Measures"). No additional reportable indications were identified.

##### **Reactor Coolant Pump A**

The Reactor Coolant Pump A nuts, ligaments around the stud holes, and pump supports were examined with the visual method. One support was found to have a 1/16" gap between the concrete wall and the mechanically attached wall plate (Refer to section 15, "Abstract of Corrective Measures"). No additional reportable indications were identified.

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### **Chemical and Volume Control**

Chemical and Volume Control piping welds and supports were examined with the surface and visual methods. One support was found to have a broken weld where the support attached to the wall plate (Refer to section 15, "Abstract of Corrective Measures"). No additional reportable indications were identified.

### **Steam Generators (Eddy Current)**

Eddy Current examinations were performed of the tubing of the three Steam Generators. The results of the examinations are detailed in the NIS-BB report.

### **Steam Generator A**

Steam Generator A's inlet and outlet nozzle inner radius, nozzle/shell weld and bolting were examined with the visual and volumetric method. No reportable indications were identified.

### **Regenerative Heat Exchanger**

Per Relief Request # 3, a VT-3 visual examination was performed near the beginning of the outage to look for accumulated boric acid crystals and evidence of leakage. A VT-2 visual examination was performed during the system leakage test to look for evidence of leakage. No reportable indications were identified.

### **Residual Heat Removal System**

Residual Heat Removal piping welds were examined with the volumetric method. No reportable indications were identified.

### **Safety Injection System**

Safety Injection supports were examined with the visual method. One support was found to have a larger clearance gap than allowed by the support drawing (Refer to section 15, "Abstract of Corrective Measures"). No additional reportable indications were identified.

### **Class 2**

### **Steam Generators A, B and C**

Steam Generator A's nozzle inner radius and nozzle/shell welds were examined with the surface and volumetric method. No reportable indications were identified.

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Also, an augmented examination was performed on the secondary side of Steam Generators A, B and C for debris and damage. No reportable indications were identified.

### **Safety Injection Piping**

Safety Injection piping welds were examined with the surface method. Two welds were found to have linear indications (Refer to section 15, "Abstract of Corrective Measures"). No additional reportable indications were identified.

### **Residual Heat Removal Piping**

Residual Heat Removal piping welds and supports were examined with surface, ultrasonic and visual methods. No reportable indications were identified.

### **Main Feedwater Piping**

A Main Feedwater piping support was examined with the visual and surface methods. No reportable indications were identified.

Augmented examinations were performed of the piping of the Steam Generator Feedwater nozzles ramp to a point one-pipe diameter past the elbow weld on all three loops with the ultrasonic method. Acceptable geometric indications were noted. No reportable indications were identified.

### **Main Feedwater Bypass Piping**

A Main Feedwater Bypass piping supports and welds were examined with the visual, surface and ultrasonic methods. No reportable indications were identified.

### **Main Steam Piping**

Main Steam piping welds and supports were examined with the visual, surface and volumetric methods. No reportable indications were identified.

### **Main Steam Blowdown Piping**

Main Steam Blowdown piping welds and supports were examined with the visual, surface and volumetric methods. One support was found to have a loose locking nut (Refer to section 15, "Abstract of Corrective Measures"). No additional reportable indications were identified.

### **Component Cooling Water Piping**

Component Cooling Water piping supports were examined with the visual method. One support was found to have a 5/32" gap between the concrete wall and the mechanically attached wall



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plate (Refer to section 15, "Abstract of Corrective Measures"). No additional reportable indications were identified.

### **IWE Examinations**

Inservice examination was performed by the visual method on one-third of the containment metallic liner and penetrations. Baseline examinations were performed by the visual method on several areas of the containment metallic liner and moisture barrier seal (Refer to CR No. 00-0491 and PM00-03-113 and 114). During the pre-repair examination, holes were observed in the angle toe plate under the moisture barrier seal. This angle iron is part of the air chase system and not a pressure-retaining boundary. (Refer to section 15, "Abstract of Corrective Measures"). No additional reportable indications were identified.

## **15. Abstract of Corrective Measures**

Reactor Pressure Vessel Closure Head nuts 3-CH-N-45 and 3-CH-N-46 showed evidence of being "belled" at the bottom of the nut. Engineering disposition found nuts to be suitable for continued service, but allowed for a conservative maintenance approach to replace the nuts. The nuts were replaced. Refer to CR No. 03-0598.

Reactor Coolant piping support (SR-66) was found to have clearance gaps larger than required by drawing. Engineering disposition found that the condition does not prevent the support from providing its design intended function of providing seismic restraint. There are no operability concerns and support is acceptable. Refer to CR No. 03-0471.

RCP A pump support (3-RCP-A-L2) was found to have a 1/16" gap between the concrete wall plate and the mechanically attached wall plate. Engineering disposition found that the condition does not affect the structural integrity of the base plate, anchor bolts or support. The support continues to perform its intended function. There are no operability concerns and the support is acceptable. Refer to CR No. 03-0471.

Chemical and Volume Control piping support (H-4) was found to have a weld broken where the angle iron connects to the wall plate. The cause of the failure was determined to be improper support design and placement that did not allow sufficient clearance for axial thermal growth. This resulted in significant shear loading and bending moments at the welded connection to the baseplate, resulting in failure of the weld. Engineering disposition required examination on similar supports, and adjacent supports, per the requirements of Code Case N-491-1. This required examination of 12 additional supports. In addition, UT thickness readings were required to determine remaining wall thickness in the damaged area on the pipe. PT's were also required on the welded connection downstream of the failed support, and where the line connects to the RCP C pump. After the above information was compiled, a final engineering disposition was added to restore the support per the instructions and details provided in MRA 03-0452-01 to SPEC-C-017 and WO 33004558. This relocated the support 3-1/2" upstream and added a larger base plate. Reference CR No. 03-0452.

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Safety Injection piping support (8080-R-009-01) was found to have clearance gaps larger than required by drawing. Engineering disposition required a 1/8" thick shim plate. The new plate was sized to fit the 3 x 3 angle, and tack welded at the top and bottom. Refer to CR No. 03-0446.

Safety Injection piping weld (2"-SI-2307-2) was found to have a crescent shaped indication on the boss of the elbow. Engineering disposition found the indication to be due to a typical forging roughness depression and not an indication of a service induced flaw. The crescent shaped indication on the boss of the socket-welded elbow was removed by local blending of the surface in accordance with WO 33004460. A PT was performed for final acceptance. Refer to CR No. 03-0537.

Safety Injection piping weld (2"-SI-2307-3) was found to have a linear indication at the toe of the weld on the pipe side of the socket welded fitting. Engineering disposition found the indication to be due to a weld contour irregularity and not an indication of a service induced flaw. The indication was removed by local blending of the in accordance with WO 33004461. A PT was performed for final acceptance. Refer to CR No. 03-0538.

Steam Generator C Blowdown piping support (78101B-H-322-05) was found to have a loose locking nut at the bottom of the strut assembly. Engineering disposition required the loose locking nut to be tightened to provide its intended locking function in accordance with WO 33004478. Refer to CR No. 03-0536.

Component Coolant Water piping support (3-RCP-A-L2) was found to have a 5/32" gap between the concrete wall plate and the mechanically attached wall plate. Engineering disposition found that the condition relates to the imperfection in the original installation and will not affect the intended design function of the base plate and the anchor bolts. There are no operability concerns and the support is acceptable. Refer to CR No. 03-0486.

Angle toe plate behind the moisture barrier seal, below floor level at azimuth 186 was found to have holes due to corrosion from standing water previously identified by CR-00-0491. The moisture barrier was degraded in this area due to age and allowed water intrusion. This 2" x 2" x 3/16" toe plate is part of the air chase system. Engineering disposition required the damaged angle toe plate to be removed and replaced and the moisture barrier sealant replaced in accordance with WO 31021715. Water intrusion from the reactor cavity to the area has been eliminated by the use of InstaCote ML-2 decontamination liner, which has waterproofing characteristics. Refer to CR-03-0556.

A total of 3 tubes (SG 3A -1, SG 3B -2, SG 3C -0) were plugged in this inspection of the three steam generators. Of the 3 tubes, 1 tube in 3A was preventatively plugged due to a manufacturing indication (<30% by RP) in the u-bend region. Two tubes in 3B were preventatively plugged. One was plugged due to mechanical wear (35% through-wall) at an anti vibration bar in the u-bend and the other due to a restriction in the u-bend, which did not allow for a plus point examination to be performed.

## FORM NIS-1 Report (continued)

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Commercial Service Date: December 14, 1972  
National Board Number for Unit: N/A

We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. N/A Expiration Date N/A

Date: 6/10/03 Signed: [Signature] By MANAGER CSI

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Florida, and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 10/28/2001 to 3/28/2003, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in the Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests, and corrective measures described in this Owner's 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.

[Signature] FL-328  
Inspector's Signature National Board, State,  
Province, and Endorsements

Date: 6/12/03

**TURKEY POINT  
UNIT 3**

**2003 REFUELING OUTAGE**

**SUMMARY OF INSERVICE INSPECTION EXAMINATIONS**

**INSERVICE INSPECTIONS RESULTS SUMMARY**

**2003 Refueling Outage**

**for**

**Turkey Point Nuclear Power Plant  
Unit No. 3**

**Prepared by:  
Nuclear Engineering  
Component, Support and Inspections Group  
Codes and Inspections Section  
Florida Power and Light Company  
P.O. Box 14000  
700 Universe Blvd  
Juno Beach, Florida 33408**

Prepared by:

Donna R. Robbins

Date:

6-9-03

Reviewed by:

W. A. Klein

Date:

6-9-03

Approved by:

John P. Olyander

Supervisor-Codes and Inspections

Date:

6/9/03



**FPL**

**FLORIDA POWER & LIGHT**

**TURKEY POINT - UNIT 3**

**INSERVICE INSPECTION RESULTS SUMMARY**

**June 9, 2003**  
**REVISION 3**

DATE: 06/09/03

TURKEY POINT - UNIT 3

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REVISION: 3

**INSERVICE INSPECTION RESULTS SUMMARY**  
**INTERVAL 3, PERIOD 3, OUTAGE 2 (03)**  
**CLASS 1 CPBEAR COMPONENTS**

**REACTOR PRESSURE VESSEL**

3-001

3-001		ASME	STATUS			N O R E C	I N S P E C	G E I O M	T H E R	
SUMMARY	EXAMINATION AREA	SEC. XI		EXAM						REMARKS
NUMBER	IDENTIFICATION	CATEGORY		METHOD	DATA SHEET #					**CALIBRATION BLOCK**
		ITEM NO								
(REF. DWG. NO. 5613-M-4001)										
014520	3-CH-S-41 THRU 58	B-G-1	C MT		2.2-008	X	-	-	-	3/9/2003 - MT Complete
	RPV STUDS	B6.30	UT		5.8-001	-	-	-	-	3/9/2003 -UT Complete. No
			ODEGL-10.0			X	-	-	-	recordable Indications
										**UT-11R**
-----										
014540	3-CH-N-41 THRU 58	B-G-1	C MT		2.2-008	X	-	-	-	3/9/2003 - MT Complete.
	RPV CLOSURE HEAD NUTS	B6.10	MT		2.2-010	X	-	-	-	3/10/2003 - MT Complete.
			UT		5.10-001	-	-	-	-	Baseline examination on
			45SCIR2.25			X	-	-	-	replacement nuts per
			UT		5.10-002	-	-	-	-	CR03-0598. Markings on RPV
			45SCIR2.25			X	-	-	-	Nut 45 - E23,B24,SA540 and
										RPV Nut 46 - E26, B24,
										SA540. **UT-25**
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014560	3-CH-LN-41 THRU 58	B-G-1	C VT-1		4.1-007	X	-	-	-	3/9/2003 -VT1 Complete.
	RPV LARGE WASHERS	B6.50								
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014580	3-CH-SW-41 THRU 58	B-G-1	C VT-1		4.1-004	X	-	-	-	3/9/2003 -VT1 Complete.
	RPV SMALL WASHERS	B6.50								
-----										
014600	3-LIG-1 THRU 18	B-G-1	A UT		5.12-001	-	-	-	-	3/5/2003 - UT Complete. No
	THREADS IN FLANGE	B6.40	ODEGL2.25			X	-	-	-	Recordable Indications.
										Examination performed in
										third period to set up for
										4th interval inspections.
										**UT-14**

DATE: 06/09/03  
REVISION: 3

TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 1 CPBEAR COMPONENTS

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REACTOR PRESSURE VESSEL

3-001

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	STATUS		DATA SHEET #	N O R E C O R D E R	I N S P E C T O R	O T H E R	REMARKS
			EXAM METHOD						

(REF. DWG. NO. 5613-M-4001)

014700	3-LIG-19 THRU 40 THREADS IN FLANGE	B-G-1 B6.40	A UT	5.12-001	- - - -	X - - -	3/5/2003 - UT Complete. No Recordable Indications. Examination performed in third period to set up for 4th interval inspections. **UT-14**
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014800	3-LIG-41 THRU 58 THREADS IN FLANGE	B-G-1 B6.40	C UT	5.12-001	- - - -	X - - -	3/5/2003 - UT Complete. No Recordable Indications. **UT-14**
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(REF. DWG. NO. 5613-M-4000)

038400	3-WH-14-1 THRU 65 CRDM Housing Welds	B-O B14.10	C PT	3.3-005	X - - -	3/7/2003 - PT Complete. Examined 61, 67 and 55
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DATE: 06/09/03  
REVISION: 3

TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 1 CPBEAR COMPONENTS

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STEAM GENERATOR & PRIMARY SIDE

3-003		ASME	STATUS		N I O				REMARKS
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI	EXAM METHOD	DATA SHEET #	E	R	G	T	
		CATEGORY							
		ITEM NO							
		**CALIBRATION BLOCK**							
(REF. DWG. NO. 5613-M-4003)									
039500	3-SGA-I-IRS INLET NOZZLE INNER RADIUS SECTION	B-D B3.140	C UT 45SCIR1.0	5.13-001	- X	- -	- -	- -	3/5/2003 - UT Complete. No Recordable Indications. Scan limitations due to vessel support and radius curvature restrictions in the form of dents and cast surface depressions. **STEAM GENERATOR MOCK-UP**
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039600	3-SGA-O-IRS OUTLET NOZZLE INNER RADIUS SECTION	B-D B3.140	C UT 45SCIR1.0	5.13-001	- X	- -	- -	- -	3/5/2003 - UT Complete. No Recordable Indications. Scan limitations due to vessel support and radius curvature restrictions in the form of dents and cast surface depressions. **STEAM GENERATOR MOCK-UP**
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039700	3-SGA-I BOLTING STEAM GENERATOR INLET MANWAY BOLTING	B-G-2 B7.30	C VT-1	4.1-008	X	-	-	-	3/12/2003 -VT1 Complete. Examined 16 studs removed.
-----									
039800	3-SGA-O BOLTING STEAM GENERATOR OUTLET MANWAY BOLTING	B-G-2 B7.30	C VT-1	4.1-009	X	-	-	-	3/12/2003 -VT1 Complete. Examined 16 studs removed.

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TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 1 CPREAR COMPONENTS

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REACTOR COOLANT SYSTEM LOOP A INTERMEDIATE LEG

3-007		ASME	STATUS		N O R E C				I N G T				REMARKS							
SUMMARY	EXAMINATION AREA	SEC. XI	CATEGORY	EXAM	DATA SHEET #	C	G	M	R	E	I	O								
NUMBER	IDENTIFICATION	ITEM NO	METHOD										**CALIBRATION BLOCK**							
(REF. DWG. NO. 5613-P-766-S SH. 1)																				
044400	31"-RCS-1301-9	R-A	C UT	5.4-002	-	-	-	-	-	-	-	-	03/6/2003 - UT Complete.							
	PIPE TO ELBOW	R1.11	45SAX2.25		-	-	-	X	-	-	-	-	Root Geometry **UT-12,							
			45SCIR2.25		X	-	-	-	-	-	-	-	UT-26R, UT-46**							
			UT	5.23-001	-	-	-	-	-	-	-	-								
			45LAX1.0		X	-	-	-	-	-	-	-								
			45RLCIR1.0		X	-	-	-	-	-	-	-								

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TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 1 CPBEAR COMPONENTS

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REACTOR COOLANT SYSTEM LOOP A HOT LEG

3-008

3-008		ASME	STATUS			N	I	O	
		SEC. XI					N	I	O
SUMMARY	EXAMINATION AREA	CATEGORY	EXAM			E	X	E	REMARKS
NUMBER	IDENTIFICATION	ITEM NO	METHOD	DATA SHEET #		C	G	M	**CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-766-S SH. 1)									
044800	29"-RCS-1304-2	R-A	C UT	5.4-007		-	-	-	3/10/2003 - UT Complete. No
	PIPE TO PIPE	R1.11	45SAX2.25			X	-	-	Recordable Indications
			45SCIR2.25			X	-	-	**UT-12, UT-46**

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## REACTOR COOLANT SYSTEM LOOP A COLD LEG

**3-009**

ASME  
SEC. XI  
CATEGORY  
ITEM NO

**STATUS**

**N  
O  
R  
E  
C**      **I  
N  
S  
I  
G**      **G  
E  
O  
M**      **O  
T  
H  
E  
R**

REMARKS

**\*\*CALIBRATION BLOCK\*\***

(REF. DWG. NO. 5613-P-766-S SH. 1)

045600	27.5"-RCS-1307-12	R-A	C UT	5.4-010	- - - -	3/9/2003 - UT Complete.
	PIPE TO PIPE	R1.11	45SAX2.25		- - X -	Root Geometry seen 360
			45SCIR2.25		X - - -	degree intermittent **UT-12, UT-46**

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TURKEY POINT - UNIT 3

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## INSERVICE INSPECTION RESULTS SUMMARY

INTERVAL 3, PERIOD 3, OUTAGE 2 (03)

CLASS 1 CPBEAR COMPONENTS

## REACTOR COOLANT SYSTEM LOOP B COLD LEG

3-012

3-012		ASME	STATUS		N	I	O	
SUMMARY	EXAMINATION AREA	SEC. XI	EXAM	DATA SHEET #	O	N	G	T
		CATEGORY			R	S	E	H
NUMBER	IDENTIFICATION	ITEM NO	METHOD		E	I	O	E
					C	G	M	R
					REMARKS			
					**CALIBRATION BLOCK**			
(REF. DWG. NO. 5613-P-766-S SH. 2)								
048500	27.5"-RCS-1306-13	R-A	C UT	5.4-009	-	-	-	3/10/2003 - UT Complete.
	PIPE TO ELBOW	R1.11	45SAX2.25		-	-	X	Root Geometry seen 360
			45SCIR2.25		X	-	-	degree intermittent **UT-12,
			UT	5.23-003	-	-	-	UT-26R, UT-46**
			45RLAX1.0		X	-	-	
			45RLCIR1.0		X	-	-	

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TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 1 CPBEAR COMPONENTS

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REACTOR COOLANT SYSTEM LOOP C HOT LEG

3-014		ASME	STATUS		N I O				REMARKS
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI	EXAM METHOD	DATA SHEET #	O	N	G	E	
		CATEGORY			R	S	E	E	
		ITEM NO			C	I	O	E	
					G	M	R		
**CALIBRATION BLOCK**									
(REF. DWG. NO. 5613-P-766-S SH. 3)									
050100	29"-RCS-1308-3 PIPE TO ELBOW	R-A	C UT	5.4-008	-	-	-	-	3/10/2003 - UT Complete. No
		R1.11	45SAX2.25		X	-	-	-	Recordable Indications
			45SCIR2.25		X	-	-	-	**UT-12, UT-26R, UT-46**
			UT	5.23-002	-	-	-	-	
			45RLAX1.0		X	-	-	-	
			45RLCIR1.0		X	-	-	-	

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TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 1 CPBEAR COMPONENTS

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REACTOR COOLANT SYSTEM PRESSURIZER SPRAY TO PRZ.

3-020

3-020		ASME	STATUS		N	I	G	T	
		SEC. XI			O	N	E		
SUMMARY	EXAMINATION AREA	CATEGORY	EXAM		R	S	E		REMARKS
NUMBER	IDENTIFICATION	ITEM NO	METHOD	DATA SHEET #	E	I	O		
					C	G	M	R	**CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-661-S SH. 4)									
059900	3-RCH-34	F-A	E VT-3	4.3-029	X	-	-	-	3/11/2003 - VT3 Complete.
	DOUBLE ACTING	F1.10							Support selected by site
	RESTRAINT								engineering. This is
									considered as part of the
									Section XI expanded sample
									selection. Examined per
									CR03-0452.

DATE: 06/09/03  
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TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 1 CPBEAR COMPONENTS

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REACTOR COOLANT SYSTEM PRESSURIZER SPRAY LINE

3-021		ASME	STATUS		N I O				REMARKS  **CALIBRATION BLOCK**
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI	EXAM METHOD	DATA SHEET #	O	N	G	T	
		CATEGORY			R	S	E	E	
		ITEM NO			E	I	O	E	
(REF. DWG. NO. 5613-P-661-S SH. 4)									
067100	3-RCH-35 DOUBLE ACTING RESTRAINT	F-A F1.10	E VT-3	4.3-032	X	-	-	-	3/11/2003 - VT3 Complete. Support selected by site engineering. This is considered as part of the Section XI expanded sample selection. Examined per CR03-0452.



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TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 1 CPBEAR COMPONENTS

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REACTOR COOLANT SYSTEM AUXILIARY SPRAY LINE

3-035

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	STATUS EXAM METHOD	DATA SHEET #	N I O O N G T R S E H E I O E C G M R				REMARKS **CALIBRATION BLOCK**

(REF. DWG. NO. 5613-P-661-S SH. 2)

114400	2"-RC-1310-2 VALVE 3-313 TO PIPE	R-A R1.12	C VT-2	4.2-001	X	-	-	-	03/21/2003 - VT2 Complete. **UT-54**
--------	-------------------------------------	--------------	--------	---------	---	---	---	---	---

117600	SR-66 DOUBLE ACTING RESTRAINT	F-A F1.10	C VT-3	4.3-005	-	-	-	X	3/3/2003 - VT3 Complete. Gap clearances exceed drawing dimensions. CR# 03-0471.
--------	-------------------------------------	--------------	--------	---------	---	---	---	---	--

117700	SR-66 IA INTEGRAL ATTACHMENTS	B-K B10.10	C PT	3.3-004	X	-	-	-	3/5/2003 - PT Complete.
--------	----------------------------------	---------------	------	---------	---	---	---	---	-------------------------

120900	2"-RC-1310-38 REDUCER TO PIPE	R-A R1.12	C VT-2	4.2-001	X	-	-	-	03/21/2003 - VT2 Complete.
--------	----------------------------------	--------------	--------	---------	---	---	---	---	----------------------------

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### INSERVICE INSPECTION RESULTS SUMMARY

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**INTERVAL 3, PERIOD 3, OUTAGE 2 (03)**

### CLASS 1 CPBEAR COMPONENTS

### RESIDUAL HEAT REMOVAL TO RC LOOP A COLD LEG

**3-037**

ASME

**STATUS**

N O R E C I N S I G G E O M O T H E R

REMARKS

**\*\*CALIBRATION BLOCK\*\***

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION
-------------------	------------------------------------

SEC. XI  
CATEGORY  
ITEM NO

## EXAM METHOD

**DATA SHEET #**

(REF. DWG. NO. 5613-P-585-S SH. 1)

123600 10"-SI-1301-3  
ELBOW TO PIPE

**R-2**  
**R1.11**

**C UT**

**5.4-006**

-	-	-	-
X	-	-	-
X	-	-	-
X	-	-	-

3/9/2003 - UT Complete. No  
Recordable Indications.  
\*\*UT-27\*\*

45SAX2.25  
45SCIR2.25  
60SAX2.25

125500 10"-SI-1301-17  
PIPE TO ELBOW

**R-2**  
**R1.11**

**C U T**

**5.4-006**

-	-	-	-
X	-	-	-
X	-	-	-
-	-	X	-

3/9/2003 - UT Complete.  
Root Geometry seen 360  
degree intermittent  
\*\*UT-27\*\*

45SAX2.25  
45SCIR2.25  
60SAX2.25

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**TURKEY POINT - UNIT 3**  
**INSERVICE INSPECTION RESULTS SUMMARY**  
**INTERVAL 3, PERIOD 3, OUTAGE 2 (03)**  
**CLASS 1 CPBEAR COMPONENTS**

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## RESIDUAL HEAT REMOVAL TO RC LOOP B COLD LEG

**3-038**

3-038		ASME	STATUS		N O N G T R E S E E E I O E C G M R				REMARKS
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI CATEGORY ITEM NO	EXAM METHOD	DATA SHEET #					**CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-586-S SH. 1)									
127000	10"-SI-1302-14 ELBOW TO PIPE	R-A R1.11	C UT 45SAX2.25 45SCIR2.25 60SAX2.25	5.4-003	-	-	-	-	3/7/2003 - UT Complete. No Recordable Indications **UT-27**
128400	VALVE 3-875B BOLTING VALVE BOLTING	B-G-2 B7.70	C VT-1	4.1-003	X	-	-	-	3/8/2003 -VT1 Complete. 16 studs and nuts examined
129100	8"-RHR-1302-2 PIPE TO ELBOW	R-A R1.11	C UT 45SAX2.25 45SCIR2.25 60SAX2.25	5.4-005	-	-	-	-	3/8/2003 - UT Complete. No Recordable Indications **UT-41**
129200	8"-RHR-1302-3 ELBOW TO PIPE	R-A R1.11	C UT 45SAX2.25 45SCIR2.25 60SAX2.25	5.4-005	-	-	-	-	3/8/2003 - UT Complete. No Recordable Indications **UT-41**

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TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 1 CPBEAR COMPONENTS

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RESIDUAL HEAT REMOVAL TO RC LOOP C COLD LEG

3-039		ASME	STATUS		N I O				REMARKS
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI	EXAM METHOD	DATA SHEET #	N	I	O		
		CATEGORY			R	N	G		
		ITEM NO			E	S	E		
					C	G	M	R	**CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-587-S SH. 1)									
130300	8"-RHR-1305-2	R-A	C UT	5.4-004	-	-	-	-	3/8/2003 - UT Complete. No
	ELBOW TO PIPE	R1.11	45SAX2.25		X	-	-	-	Recordable Indications
			45SCIR2.25		X	-	-	-	**UT-41**
			60SAX2.25		X	-	-	-	

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**TURKEY POINT - UNIT 3**  
**INSERVICE INSPECTION RESULTS SUMMARY**  
**INTERVAL 3, PERIOD 3, OUTAGE 2 (03)**  
**CLASS 1 CPBEAR COMPONENTS**

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# HIGH HEAD SAFETY INJECTION LOOP B INSIDE CTMT

**3-044**

ASME STATUS

N O R E C      I N S I G      G E O M      O T H E R

REMARKS

**\*\*CALIBRATION BLOCK\*\***

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION
-------------------	------------------------------------

SEC. XI  
CATEGORY  
ITEM NO

**STATUS**

**EXAM**  
**METHOD**

**DATA SHEET #**

(REF. DWG. NO. 5613-P-764-E SH. 1)

154800 8080-R-009-01  
DOUBLE ACTING  
RESTRAINT

**F-2**  
**V1.10**

**C VT-3**

4.3-001  
4.3-037

-	-	-	X
X	-	-	-

3/1/2003 - VT3 Complete.  
Gap clearances exceed  
drawing dimensions.  
Engineering Disposition -  
Weld 1/8" shim plate to the  
south 3 x 3 angle. (NO  
33004373) CR# 03-0446  
3/13/2003 - VT3 Complete.  
Reexamination after  
corrective action per  
CR03-0446.

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TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 1 CPBEAR COMPONENTS

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CHEMICAL & VOLUME CONTROL TO RC LOOP A COLD LEG

3-046

3-046		ASME	STATUS		N	I	G	T	
SUMMARY	EXAMINATION AREA	SEC. XI	EXAM	DATA SHEET #	N	I	G	T	REMARKS
		CATEGORY			R	S	E	H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD		E	I	O	E	
					C	G	M	R	**CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-661-S SH. 3)									
166800	WR-1	F-A	E VT-3	4.3-034	X	-	-	-	3/10/2003 - VT3 Complete.
	DOUBLE ACTING	F1.10							Support selected by site
	RESTRAINT								engineering. This is
									considered as part of the
									Section XI expanded sample
									selection. Examined per
									CR03-0452.

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TURKEY POINT - UNIT 3

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## INSERVICE INSPECTION RESULTS SUMMARY

INTERVAL 3, PERIOD 3, OUTAGE 2 (03)

CLASS 1 CPBEAR COMPONENTS

## CHEMICAL &amp; VOLUME CONTROL SEAL INJECTION LOOP A

3-050

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	STATUS EXAM METHOD	DATA SHEET #	N I O O R S E T R E I O E C G M R				REMARKS **CALIBRATION BLOCK**

(REF. DWG. NO. 5613-P-5070 SH. 1)

181140	1"-CH-1351-1 RCP 3P-200A TO PIPE	R-A R1.12	C VT-2	4.2-002	X	-	-	-	03/21/2003 - VT2 Complete.
--------	-------------------------------------	--------------	--------	---------	---	---	---	---	----------------------------

181148	3/4"-CH-1357-2 1" x 3/4" REDUCER TO PIPE	R-A R1.12	C VT-2	4.2-002	X	-	-	-	03/21/2003 - VT2 Complete.
--------	--	--------------	--------	---------	---	---	---	---	----------------------------

181190	1"-CH-1348-3 REDUCER TO FLANGE	R-A R1.12	C VT-2	4.2-002	X	-	-	-	03/21/2003 - VT2 Complete.
--------	-----------------------------------	--------------	--------	---------	---	---	---	---	----------------------------

181192	1"-CH-1354-1 FLANGE TO 1" x 3/4" REDUCER	R-A R1.12	C VT-2	4.2-002	X	-	-	-	03/21/2003 - VT2 Complete.
--------	--	--------------	--------	---------	---	---	---	---	----------------------------

(REF. DWG. NO. 5613-P-647-S SH. 1)

182721	H-2 DOUBLE ACTING RESTRAINT	F-A F1.10	E VT-3	4.3-017	X	-	-	-	3/5/2003 - VT3 Complete. Support selected by site engineering. This is considered as part of the Section XI expanded sample selection. Examined per CR03-0452.
--------	-----------------------------------	--------------	--------	---------	---	---	---	---	--

182778	433I DOUBLE ACTING RESTRAINT	F-A F1.10	E VT-3	4.3-022	X	-	-	-	3/7/2003 - VT3 Complete. Support selected by site engineering. This is considered as part of the Section XI expanded sample selection. Examined per CR03-0452.
--------	------------------------------------	--------------	--------	---------	---	---	---	---	--

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### INSERVICE INSPECTION RESULTS SUMMARY

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**INTERVAL 3, PERIOD 3, OUTAGE 2 (03)**

### CLASS 1 CPBEAR COMPONENTS

### CHEMICAL & VOLUME CONTROL SEAL INJECTION LOOP A

**3-050**

ASME

**STATUS**

N I O  
O N G  
R S E  
E I O  
C G M R

REMARKS

**\*\*CALIBRATION BLOCK\*\***

(REF. DWG. NO. 5613-P-647-S SH. 1)

182781	433H	F-A	E VT-3	4.3-023	X - - -	3/7/2003 - VT3 Complete.
	DOUBLE ACTING	F1.10				Support selected by site
	RESTRAINT					engineering. This is
						considered as part of the
						Section XI expanded sample
						selection. Examined per
						CR03-0452.



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TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 1 CPBEAR COMPONENTS

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CHEMICAL & VOLUME CONTROL SEAL INJECTION LOOP C

3-051

3-051		ASME	STATUS			N	I	O	
		SEC. XI				O	N	G	T
SUMMARY	EXAMINATION AREA	CATEGORY	EXAM			R	S	E	H
NUMBER	IDENTIFICATION	ITEM NO	METHOD	DATA SHEET #		E	I	O	E
						C	G	M	R
									REMARKS
									**CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-5070 SH. 1)									
182800	1"-CH-1353-1 RCP 3P-200C TO PIPE	R-A R1.12	C VT-2	4.2-003		X	-	-	03/21/2003 - VT2 Complete.
-----									
182809	3/4"-CH-1359-6 ELBOW TO PIPE	R-A R1.12	C VT-2	4.2-003		X	-	-	03/21/2003 - VT2 Complete.
-----									
182820	1"-CH-1350-3 REDUCER TO FLANGE	R-A R1.12	C VT-2	4.2-003		X	-	-	03/21/2003 - VT2 Complete.
-----									
182825	3/4"-CH-1356-5 PIPE TO ELBOW	R-A R1.12	C VT-2	4.2-003		X	-	-	03/21/2003 - VT2 Complete.
-----									
(REF. DWG. NO. 5613-P-5071 SH. 3)									
182836	3/4"-CH-1341A-2 CONNECTION TO PIPE	R-A R1.12	C VT-2	4.2-003		X	-	-	03/21/2003 - VT2 Complete.
-----									
182838	3/4"-CH-1341B-1 FLANGE TO PIPE	R-A R1.12	C VT-2	4.2-003		X	-	-	03/21/2003 - VT2 Complete.
-----									
182854	3/4"-CH-1344-5 VALVE 3-304L TO PIPE	R-A R1.12	C VT-2	4.2-003		X	-	-	03/21/2003 - VT2 Complete.
-----									
(REF. DWG. NO. 5613-P-646-S SH. 1)									
183000	1.5"-CH-1302-1 FLANGE TO PIPE	R-A R1.12	A PT	3.3-008		X	-	-	3/8/2003 - PT Complete. Examination required by site engineering due to adjacent support failure E-4 (Summary No. 185300)

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TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 1 CPBEAR COMPONENTS

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CHEMICAL & VOLUME CONTROL SEAL INJECTION LOOP C

3-051

3-051		ASME	STATUS			N	I	G	O		
		SEC. XI				O	N	E	T		
SUMMARY	EXAMINATION AREA	CATEGORY	EXAM			R	S	E	H		REMARKS
NUMBER	IDENTIFICATION	ITEM NO	METHOD	DATA SHEET #		E	I	O	R		**CALIBRATION BLOCK**
						C	G	M	R		
(REF. DWG. NO. 5613-P-646-S SH. 1)											
184200	H-5 DOUBLE ACTING RESTRAINT	F-A F1.10	E VT-3	4.3-016		X	-	-	-		3/5/2003 - VT3 Complete. Support selected by site engineering. This is considered as part of the Section XI expanded sample selection. Examined per CR03-0452.
-----											
185200	3/4"-CH-1335-1 MAIN TO BRANCH CONNECTION	R-A R1.12	A PT	3.3-007		X	-	-	-		3/8/2003 - PT Complete. Examination required by site engineering due to adjacent support failure H-4 (Summary No. 185300)
-----											
185205	3/4"-CH-1335-2 BRANCH CONNECTION TO PIPE	R-A R1.12	A PT	3.3-007		-	X	-	-		3/8/2003 - PT Complete. Examination required by site engineering due to adjacent support failure H-4 (Summary No. 185300)
-----											
185300	H-4 DOUBLE ACTING RESTRAINT	F-A F1.10	C VT-3	4.3-004 4.3-038		-	-	-	X		3/3/2003 - VT3 Complete. Weld is broken on Restraint where the angle iron connects to the wall plate. Also, gouge with depth less 1/32" is noted on pipe. Engineering Interim Disposition #1 - Expansion required per Code Case N-491-1. Examine adjacent supports and like supports equal to the number selected for the period. Perform ultrasonic examination (straight beam) on upstream and downstream of the broken support at gouged area and perform VT-3 inspection of the 1/2" Hilti anchors. Engineering Interim Disposition #2 - Perform dye penetrant examination of the

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TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 1 CPBEAR COMPONENTS

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CHEMICAL & VOLUME CONTROL SEAL INJECTION LOOP C

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	STATUS EXAM METHOD	DATA SHEET #	N O R E C	I N S P E C	G E O M E T	O T H E R	REMARKS **CALIBRATION BLOCK**
3-051									
(REF. DWG. NO. 5613-P-646-S SH. 1)									
185300			C						welded connection (3/4"x2") directly downstream of failed support and welded connection of the 1 1/2" Seal Injection line to the 3P200C RCP Pump. Also, perform VT-3 examination of small pipe support PS-1 at node point 175. Engineering Interim Disposition #5 - Support H-4 of the CVCS system shall be restored per the instructions and details provided on MRA 03-0452-01 to SPEC-C-017 and perform VT-3 inspection of new support. (WO 33004558) Engineering Interim CR# 03-0452. 3/13/2003 - VT3 Complete. Reexamination per corrective action section of Interim Disposition #5.
185730	H-2 DOUBLE ACTING RESTRAINT	F-A F1.10	E VT-3	4.3-020	X	-	-	-	3/9/2003 - VT3 Complete. Support selected by site engineering. This is considered as part of the Section XI expanded sample selection. Examined per CR03-0452.
185760	PS-2B DOUBLE ACTING RESTRAINT	F-A F1.10	E VT-3	4.3-019	X	-	-	-	3/9/2003 - VT3 Complete. Support selected by site engineering. This is considered as part of the Section XI expanded sample selection. Examined per CR03-0452.

REVISION: 3

### INSERVICE INSPECTION RESULTS SUMMARY

**PAGE: 22**

**INTERVAL 3, PERIOD 3, OUTAGE 2 (03)**

### CLASS 1 CPBEAR COMPONENTS

### CHEMICAL & VOLUME CONTROL SEAL INJECTION LOOP C

**3-051**

ASME

**STATUS**

N O R E C	I N S I G	G E O M	O T H E R
1	1	1	1
2	2	2	2
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100	100	100	100

REMARKS

**\*\*CALIBRATION BLOCK\*\***

(REF. DWG. NO. 5613-P-646-E SH. 1)

185765	PS-2A	F-A	E VT-3	4.3-030	X - - -	3/11/2003 - VT3 Complete.
	DOUBLE ACTING	F1.10				Support selected by site
	RESTRAINT					engineering. This is
						considered as part of the
						Section XI expanded sample
						selection. Examined per
						CR03-0452.

REVISION: 3

**INSERVICE INSPECTION RESULTS SUMMARY**  
**INTERVAL 3, PERIOD 3, OUTAGE 2 (03)**  
**CLASS 1 CPBEAR COMPONENTS**

**PAGE: 23**

### CHEMICAL & VOLUME CONTROL SEAL INJECTION LOOP B

**3-052**

3-052		ASME	STATUS		N O N G O R S E T E I O E C G M R				REMARKS
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI CATEGORY ITEM NO	EXAM METHOD	DATA SHEET #					**CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-5070 SH. 1)									
185798	1"-CH-1352-1 RCP 3P-200B TO PIPE	R-A R1.12	C VT-2	4.2-004	X	-	-	-	03/21/2003 - VT2 Complete.
-----									
185805	3/4"-CH-1358-4 ELBOW TO PIPE	R-A R1.12	C VT-2	4.2-004	X	-	-	-	03/21/2003 - VT2 Complete.
-----									
185819	1"-CH-1349-2 PIPE TO REDUCER	R-A R1.12	C VT-2	4.2-004	X	-	-	-	03/21/2003 - VT2 Complete.
-----									
185824	3/4"-CH-1355-3 PIPE TO ELBOW	R-A R1.12	C VT-2	4.2-004	X	-	-	-	03/21/2003 - VT2 Complete.
-----									
(REF. DWG. NO. 5613-P-645-B SH. 1)									
187633	PS-2C DOUBLE ACTING RESTRAINT	F-A F1.10	E VT-3	4.3-036	X	-	-	-	3/10/2003 - VT3 Complete. Support selected by site engineering. This is considered as part of the Section XI expanded sample selection. Examined per CR03-0452.
-----									
187658	PS-2B DOUBLE ACTING RESTRAINT	F-A F1.10	E VT-3	4.3-035	X	-	-	-	3/12/2003 - VT3 Complete. Support selected by site engineering. This is considered as part of the Section XI expanded sample selection. Examined per CR03-0452.

DATE: 06/09/03  
REVISION: 3

TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 1 CPBEAR COMPONENTS

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CHEMICAL & VOLUME CONTROL SEAL INJECTION LOOP B

3-052

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME	STATUS	EXAM METHOD	DATA SHEET #	N	I	O	REMARKS
		SEC. XI CATEGORY ITEM NO				R	N	G	

(REF. DWG. NO. 5613-P-645-S SH. 1)

187660	PS-2A	F-A	E VT-3	4.3-033	X - - -	3/11/2003 - VT3 Complete.			
	DOUBLE ACTING	F1.10				Support selected by site			
	RESTRAINT					engineering. This is			
						considered as part of the			
						Section XI expanded sample			
						selection. Examined per			
						CR03-0452.			

DATE: 06/09/03

## TURKEY POINT - UNIT 3

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REVISION: 3

## INSERVICE INSPECTION RESULTS SUMMARY

INTERVAL 3, PERIOD 3, OUTAGE 2 (03)

## CLASS 1 CPBEAR COMPONENTS

## REACTOR COOLANT PUMP A

3-056

3-056		ASME	STATUS			N O R E C	I N S I G M	O T H E R	
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI CATEGORY ITEM NO	EXAM METHOD		DATA SHEET #				REMARKS  **CALIBRATION BLOCK**
(REF. DWG. NO. 5613-M-4006)									
201400	3-RCP-FNA-1 THRU 24 FLANGE NUTS	B-G-1 B6.200	C VT-1		4.1-006	X	-	-	3/8/2003 -VT1 Complete. Examined 24 nuts. Light rust noted.
201500	3-RCP-FLA-1 THRU 24 FLANGE SURFACE	B-G-1 B6.190	C VT-1		4.1-005	X	-	-	3/8/2003 -VT1 Complete. Examined with bolting in place. Light rust noted.
201700	3-RCP-A-L1 THRU L3 PUMP SUPPORTS	F-A F1.40	C VT-3		4.3-011	X	-	-	3/10/2003 - VT3 Complete. Wall plate on support 3-RCP-A-L2 has a 1/16" gap between the concrete wall and the mechanically attached wall plate on the right side. CR03-0616. Engineering Disposition - Accept as-is.

DATE: 06/09/03  
REVISION: 3

TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 1 CPBEAR COMPONENTS

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CHEMICAL & VOLUME CONTROL, REGENERATIVE HEAT EXCH

3-059		ASME	STATUS		N I O				
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI	EXAM METHOD	DATA SHEET #	N	I	O	REMARKS	
		CATEGORY			O	N	G		
		ITEM NO			E	S	E		
					C	G	M	R	**CALIBRATION BLOCK**
(REF. DWG. NO. 5613-M-4009)									
204100	RGX 3E200		C VT-2	4.2-005	X	-	-	-	3/1/2003 - VT3 Complete.
	VISUAL FOR LEAKAGE		VT-3	4.3-039	X	-	-	-	3/21/2003 - VT2 Complete.



DATE: 06/09/03

TURKEY POINT - UNIT 3

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## INSERVICE INSPECTION RESULTS SUMMARY

INTERVAL 3, PERIOD 3, OUTAGE 2 (03)

CLASS 2 CPBEAR COMPONENTS

## STEAM GENERATOR &amp; SECONDARY SIDE

3-060

3-060		ASME	STATUS		N	I	O		
		SEC. XI			O	N	G	T	
SUMMARY	EXAMINATION AREA	CATEGORY	EXAM		R	E	E	H	REMARKS
NUMBER	IDENTIFICATION	ITEM NO	METHOD	DATA SHEET #	E	I	O	R	**CALIBRATION BLOCK**
					C	G	M	R	
(REF. DWG. NO. 5613-M-4003)									
209500	3-SGA-Y	C-A	C UT	5.1-001	-	-	-	-	3/5/2003 - UT Complete. No
	TUBE SHEET TO STUB	C1.30	0 LONG2.25		X	-	-	-	Recordable Indications.
			45SAX2.25		X	-	-	-	Limitations on top and
	BARREL		45SCIR2.25		X	-	-	-	bottom of weld **UT-7**
			60SAX2.25		X	-	-	-	
			60SCIR2.25		X	-	-	-	
-----									
209600	3-SGA-N	C-A	C UT	5.1-001	-	-	-	-	3/5/2003 - UT Complete. No
	STUB BARREL TO LOWER	C1.10	0 LONG2.25		X	-	-	-	Recordable Indications.
			45SAX2.25		X	-	-	-	Limitations on top and
	SHELL		45SCIR2.25		X	-	-	-	bottom of weld **UT-7**
			60SAX2.25		X	-	-	-	
			60ACIR2.25		X	-	-	-	
-----									
210000	3-SGA-FW	C-B	C MT	2.2-014	X	-	-	-	3/12/2003 - MT Complete
	FEEDWATER NOZZLE TO	C2.21	UT	5.1-002	-	-	-	-	3/12/2003 - UT Complete. No
			0 LONG2.25		X	-	-	-	Recordable Indications.
	SHELL		45SAX2.25		X	-	-	-	Scan Limitations due to
			45SCIR2.25		X	-	-	-	insulation ring. This ring
			60SAX2.25		X	-	-	-	is two halves and cannot be
			60SCIR2.25		X	-	-	-	removed without removing all
									the insulation at the top
									and bottom of ring. 26" of
									the weld is obstructed.
									Total of 114" weld length.
									**UT-7**
-----									
210100	3-SGA-FW-IRS	C-B	C UT	5.13-002	-	-	-	-	3/12/2003 - Feeding
	FEEDWATER NOZZLE INNER	C2.22	45SAX2.25		X	-	-	-	attachment weld observed.
	RADIUS SECTION								**UT-3**

DATE: 06/09/03  
REVISION: 3

TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 2 CPBEAR COMPONENTS

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STEAM GENERATOR & SECONDARY SIDE

3-060		ASME	STATUS		N	I	O	REMARKS	
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI	EXAM METHOD	DATA SHEET #	N	I	O		
		CATEGORY			R	S	E		H
		ITEM NO			E	I	O		E
					C	G	M	R	**CALIBRATION BLOCK**
(REF. DWG. NO. 5613-M-4003)									
210500	3-SGA-SS		A VT	4.4-001	X	-	-	-	03/12/2003 - VT Complete
	SECONDARY SIDE								
	EXAMINATION								

DATE: 06/09/03  
REVISION: 3

TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 2 CPBEAR COMPONENTS

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STEAM GENERATOR B SECONDARY SIDE

3-061		ASME	STATUS	N I O				REMARKS		
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI		EXAM METHOD	DATA SHEET #	R	N		G	T
		CATEGORY				E	S		E	H
		ITEM NO				E	I		O	E
				C	G	M	R	**CALIBRATION BLOCK**		
(REF. DWG. NO. 5613-M-4004)										
211600	3-SGB-SS SECONDARY SIDE EXAMINATION		A VT	4.4-003	X	-	-	3/13/2003 - VT Complete		

DATE: 06/09/03  
REVISION: 3

TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 2 CPBEAR COMPONENTS

PAGE: 30

STEAM GENERATOR C SECONDARY SIDE

3-062

3-062		ASME	STATUS		N	I	O	
SUMMARY	EXAMINATION AREA	SEC. XI	EXAM	METHOD	N	N	G	
		CATEGORY			R	S	E	H
		ITEM NO			E	I	O	E
						C	G	M
NUMBER	IDENTIFICATION							REMARKS
								**CALIBRATION BLOCK**
(REF. DWG. NO. 5613-M-4005)								
212610	3-SGC-SS		A VT	4.4-002	X	-	-	3/12/2003 - VT Complete.
	SECONDARY SIDE							
	EXAMINATION							

DATE: 06/09/03  
REVISION: 3

TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 2 CPBEAR COMPONENTS

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RESIDUAL HEAT REMOVAL DISCHARGE OUTSIDE CTMT

3-068		ASME	STATUS		N I O O N G T R S E E E I O E C G M R				REMARKS	
SUMMARY	EXAMINATION AREA	SEC. XI	EXAM	METHOD	DATA SHEET #	C	G	M	R	**CALIBRATION BLOCK**
NUMBER	IDENTIFICATION	CATEGORY								
(REF. DWG. NO. 5613-P-602-S SH. 3)										
226300	12"-RHR-2301-1	C-F-1	C PT	3.3-001	X	-	-	-	2/28/2003 - PT Complete.	
	REDUCER TO TEE	C5.11	UT	5.4-001	-	-	-	-	2/28/2003 - UT Complete.	
			45SCIR5.0		X	-	-	-	Root Geometry seen 360	
			60SAX5.0		-	-	X	-	degree intermittent	
			70SAX2.25		X	-	-	-	**UT-35**	

REVISION: 3

### INSERVICE INSPECTION RESULTS SUMMARY

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**INTERVAL 3, PERIOD 3, OUTAGE 2 (03)**

## CLASS 2 CPBEAR COMPONENTS

### RESIDUAL HEAT REMOVAL SYSTEM INSIDE CONTAINMENT

**3-089**

**ASIDE****STATUS**

N O R E C I N S I G E O N O T H E R

REMARKS

**\*\*CALIBRATION BLOCK\*\***

**SUMMARY  
NUMBER**

**EXAMINATION AREA  
IDENTIFICATION**

SEC. XI	CATEGORY	ITEM NO
---------	----------	---------

## EXAM METHOD

**DATA SHEET #**

(REF. DWG. NO. 5613-P-587-S SH. 1)

**267940**

CONT. PENETRATION P-11 F-A  
ANCHOR F1.

**C VT-3**

**4.3-026**

**x - - - 3/11/2003 - VT3 Complete.**

**267980**

CONT. PENETRATION P-11 C-C  
INTEGRAL ATTACHMENT C3.20

**C PT**

**3.3-010**

**X - - - 3/11/2003 - PT Complete.**

REVISION: 3

**TURKEY POINT - UNIT 3**  
**INSERVICE INSPECTION RESULTS SUMMARY**  
**INTERVAL 3, PERIOD 3, OUTAGE 2 (03)**  
**CLASS 2 CPBEAR COMPONENTS**

**PAGE: 33**

**3-095**

3-095		ASME		STATUS		N I O O N G T R S E H E I O E C G M R				REMARKS
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI CATEGORY ITEM NO	EXAM METHOD	DATA SHEET #						**CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-648-S SH. 1)										
288769	2"-SI-2309-1 PIPE TO ELBOW	C-F-1 C5.30	C PT	3.3-006		X	-	-	-	3/8/2003 - PT Complete
-----										
288781	2"-SI-2309-5 PIPE TO VALVE 3-873C	C-F-1 C5.30	C PT	3.3-006		X	-	-	-	3/8/2003 - PT Complete
-----										
(REF. DWG. NO. 5613-P-823-S SH. 1)										
288793	2"-SI-2307-2 PIPE TO ELBOW	C-F-1 C5.30	C PT	3.3-003 3.3-009		-	-	-	X	3/6/2003 - PT Complete. Rejectable Indication L=1.75". W=.125", US, Linear, Size=.218". Reference CR03-0538. Engineering disposition is to remove indication and reexamine. 3/10/2003 - PT Complete. Reexamination after removal of indication per CR03-0537.
-----										
288796	2"-SI-2307-3 ELBOW TO PIPE	C-F-1 C5.30	C PT	3.3-002 3.3-009		-	-	-	X	3/6/2003 - PT Complete. Rejectable Indication L=0". W=.19", DS, Linear, Size=1.250". Reference CR03-0538. Engineering disposition is to remove indication and reexamine. 3/10/2003 - PT Complete. Reexamination after removal of indication per CR03-0538.

DATE: 06/09/03  
REVISION: 3

TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 2 CPBEAR COMPONENTS

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HIGH PRESSURE SAFETY INJECTION INSIDE CONTAINMENT

3-096		ASME	STATUS		N	I	O	REMARKS  **CALIBRATION BLOCK**	
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI	EXAM METHOD	DATA SHEET #	O	N	G		T
		CATEGORY			R	S	E		H
		ITEM NO			E	I	O		E
					C	G	M	R	
(REF. DWG. NO. 5613-P-764-S SH. 2)									
289454	2"-SI-2305-1	C-F-1	C PT	3.3-011	X	-	-	3/11/2003 - PT Complete.	
REDUCING ELBOW TO PIPE C5.30									



REVISION: 3

**TURKEY POINT - UNIT 3**  
**INSERVICE INSPECTION RESULTS SUMMARY**  
**INTERVAL 3, PERIOD 3, OUTAGE 2 (03)**  
**CLASS 2 CPBEAR COMPONENTS**

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### MAIN STEAM SYSTEM LOOP A INSIDE CONTAINMENT

**3-097**

3-097		ASME	STATUS		N O				REMARKS
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI	EXAM METHOD	DATA SHEET #	N R E C	I N S I C	G E O M E T R	T H E R E F O R E	
		CATEGORY ITEM NO							
(REF. DWG. NO. 5613-P-656-S SH. 1)									
293600	CONT. PENETRATION ANCHOR	F-A F1.20	C VT-3	4.3-025	X	-	-	-	3/11/2003 - VT3 Complete.
-----									
293650	CONT. PENETRATION INTEGRAL ATTACHMENT	C-C C3.20	C MT	2.2-013	X	-	-	-	3/11/2003 - MT Complete

REVISION: 3

**TURKEY POINT - UNIT 3**  
**INSERVICE INSPECTION RESULTS SUMMARY**  
**INTERVAL 3, PERIOD 3, OUTAGE 2 (03)**  
**CLASS 2 CPBEAR COMPONENTS**

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### MAIN STEAM SYSTEM LOOP C INSIDE CONTAINMENT

**3-099**

SUMMARY		ASME	STATUS		N O N G T R S E E E I O E C G M R				REMARKS
NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI CATEGORY ITEM NO	EXAM METHOD	DATA SHEET #					**CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-658-S SH. 1)									
299400	26"-MSC-2303-9 ELBOW TO PIPE	C-F-2 C5.51	C MT UT 45SAX2.25 45SCIR2.25 60SAX2.25	2.2-011 5.2-006	X - X X X	- - - - -	- - - - -	- - - - -	3/10/2003 - MT Complete 3/9/2003 - UT Complete. Recordable Indications. **UT-21**
299500	26"-MSC-2303-9LSU LONGITUDINAL SEAM WELD UPSTREAM	C-F-2 C5.52	C MT UT 45SAX2.25 45SCIR2.25 60SAX2.25	2.2-011 5.2-006	X - X X X	- - - - -	- - - - -	- - - - -	3/10/2003 - MT Complete 3/9/2003 - UT Complete. Recordable Indications **UT-21**
299600	26"-MSC-2303-9LSD LONGITUDINAL SEAM WELD DOWNSTREAM	C-F-2 C5.52	C MT UT 45SAX2.25 45SCIR2.25 60SAX2.25	2.2-011 5.2-006	X - X X X	- - - - -	- - - - -	- - - - -	3/10/2003 - MT Complete 3/9/2003 - UT Complete. Recordable Indications **UT-21**

**REVISION: 3**

**INSERVICE INSPECTION RESULTS SUMMARY**  
**INTERVAL 3, PERIOD 3, OUTAGE 2 (03)**  
**CLASS 2 CPBEAR COMPONENTS**

**PAGE: 37**

## MAIN STEAM SYSTEM LOOP A OUTSIDE CONTAINMENT

**3-100**

ASME

**STATUS**

N O R E C	I N S I G	G E O M	O T H E R
1	1	1	1
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65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

REMARKS

**\*\*CALIBRATION BLOCK\*\***

(REF. DWG. NO. 5613-P-654-8 SH. 2)

303500	14"-MSA-2301-1	C-F-2	C MT	2.2-003	X - - -	3/5/2003 - MT Complete
	12" WELDOLET TO PIPE	C5.51	RT	9.3-001	X - - -	3/10/2003 - RT Complete. No Recordable Indications

304000	A	F-A	C VT-3	4.3-040	X - - - 3/5/2003 - VT3 Complete
	SINGLE ACTING	F1.20			
	RESTRAINT				

304500	14"-MSA-2302-2	C-F-2	C MT	2.2-003	X - - -	3/5/2003 - MT Complete
	TEE TO 8" FLANGE	C5.51	RT	9.3-004	X - - -	3/10/2003 - RT Complete

REVISION: 3

**TURKEY POINT - UNIT 3**  
**INSERVICE INSPECTION RESULTS SUMMARY**  
**INTERVAL 3, PERIOD 3, OUTAGE 2 (03)**  
**CLASS 2 CPBEAR COMPONENTS**

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### MAIN STEAM SYSTEM LOOP C OUTSIDE CONTAINMENT

**3-102**

3-102		ASME	STATUS		N	I	O	
		SEC. XI			N	O	G	T
SUMMARY	EXAMINATION AREA	CATEGORY	EXAM		R	E	E	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	DATA SHEET #	E	I	O	REMARKS
					C	G	M	**CALIBRATION BLOCK**

(REF. DWG. NO. 5613-P-654-S SH. 1)

311800	14"-MSC-2305-1	C-F-2	C MT	2.2-004	X - - -	3/5/2003 - MT Complete
	12" WELDOLET TO PIPE	C5.51	RT	9.3-003	- X - -	3/10/2003 - RT Complete.
						Slag at Station 2-3

312700	14"-MSC-2306-1	C-F-2	C MT	2.2-004	X - - -	3/5/2003 - MT Complete
	12" WELDOLET TO PIPE	C5.51	RT	9.3-002	X - - -	3/10/2003 - RT Complete

REVISION: 3

**TURKEY POINT - UNIT 3**

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**INSERVICE INSPECTION RESULTS SUMMARY**  
**INTERVAL 3, PERIOD 3, OUTAGE 2 (03)**  
**CLASS 2 CPBEAR COMPONENTS**

**STEAM GENERATOR C BLOWDOWN INSIDE CONTAINMENT**

**3-105**

3-105		ASME	STATUS		N I O O N G T R S E H Z I O E C G M R				REMARKS
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI CATEGORY ITEM NO	EXAM METHOD	DATA SHEET #					**CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-797-S SH. 3)									
320000	6"-BDC-2303-6	C-F-2	C MT	2.2-006	X	-	-	-	3/6/2003 - MT Complete
	VALVE SGB-3-006 TO	C5.51	UT	5.2-002	-	-	-	-	3/6/2003 - UT Complete.
	PIPE		45SAX2.25		X	-	-	-	Root geometry seen 360
			45SCIR2.25		X	-	-	-	degree intermittent. Unable
			60SAX2.25		-	-	X	-	to calibrate 70 degree due
									to insufficient response
									from notch. **UT-22**
-----									
(REF. DWG. NO. 5613-P-797-S SH. 2)									
321200	78101B-H-322-05	F-A	C VT-3	4.3-010	-	-	-	X	3/1/2003 - VT3 Complete.
	DOUBLE ACTING	F1.20		4.3-031	X	-	-	-	Loose locking nut on bottom
	RESTRAINT								of strut assembly. Also,
									broken grout on left and
									right corners of base plate.
									Engineering Disposition -
									Tighten locking nut. Grout
									repairs are not necessary at
									this time. (WO 33004478)
									CR03-0536.
									3/11/2003 - VT3 Complete.
									Reexamination after
									corrective action per
									CR03-0536.
-----									
321300	78101B-H-322-05 IA	C-C	C MT	2.2-007	X	-	-	-	3/6/2003 - MT Complete
	INTEGRAL ATTACHMENT	C3.20							
-----									
(REF. DWG. NO. 5613-P-797-S SH. 1)									
323200	6"-BDC-2303-24	C-F-2	C MT	2.2-005	X	-	-	-	3/6/2003 - MT Complete
	ELBOW TO PIPE	C5.51	UT	5.2-003	-	-	-	-	3/6/2003 - UT Complete.
			45SAX2.25		-	-	X	-	Root Geometry. **UT-22**
			45SCIR2.25		X	-	-	-	
			60SAX2.25		X	-	-	-	

DATE: 06/09/03  
REVISION: 3

TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 2 CPBEAR COMPONENTS

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STEAM GENERATOR C BLOWDOWN INSIDE CONTAINMENT

3-105		ASME	STATUS		N I O O N G T R S E H E I O E C G M R				REMARKS
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI CATEGORY ITEM NO	EXAM METHOD	DATA SHEET #					**CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-797-S SH. 1)									
323700	6"-BDC-2303-29	C-F-2	C MT	2.2-009	X	-	-	-	3/9/2003 - MT Complete
	PIPE TO REDUCER	C5.51	UT	5.2-004	-	-	-	-	3/9/2003 - UT Complete.
			45SAX2.25		-	-	X	-	Root Geometry seen 360
			45SCIRX2.2		X	-	-	-	degree intermitent.
			60SAX2.25		X	-	-	-	**UT-22**

DATE: 06/09/03  
REVISION: 3

TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 2 CPBEAR COMPONENTS

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STEAM GENERATOR C BLOWDOWN OUTSIDE CONTAINMENT

3-108

3-108		ASME	STATUS		N	I	O	
		SEC. XI			O	N	G	T
SUMMARY	EXAMINATION AREA	CATEGORY	EXAM		R	S	E	H
NUMBER	IDENTIFICATION	ITEM NO	METHOD	DATA SHEET #	E	I	O	E
					C	G	M	R
								REMARKS
								**CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-842-S SH. 1)								
325500	6"-BDC-2306-30	C-F-2	C MT	2.2-001	X	-	-	2/28/2003 - MT Complete.
	REDUCER TO PIPE	C5.51	UT	5.2-001	-	-	-	3/3/2003 - UT Complete.
			45SAX2.25		-	-	X	Root and Counterbore
			45SCIR2.25		X	-	-	geometry seen 360 degree
			60SAX2.25		-	-	X	intermittent **UT-22**

DATE: 06/09/03  
REVISION: 3

TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 2 CPBEAR COMPONENTS

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MAIN FEEDWATER SYSTEM LOOP A

3-109

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	STATUS EXAM METHOD	DATA SHEET #	N O R E C	I N S P E C	O N G E I O N	R E M A R K S
-------------------	------------------------------------	--	--------------------------	--------------	-----------------------	----------------------------	---------------------------------	---------------------------------

(REF. DWG. NO. 5613-P-651-S SH. 1)

327340	CONT. PENETRATION ANCHOR	F-A F1.20	C VT-3	4.3-024	X	-	-	3/10/2003 - VT3 Complete.
--------	-----------------------------	--------------	--------	---------	---	---	---	---------------------------

327380	CONT. PENETRATION INTEGRAL ATTACHMENT	C-C C3.20	C MT	2.2-012	X	-	-	3/10/2003 - MT Complete
--------	--	--------------	------	---------	---	---	---	-------------------------

(REF. DWG. NO. 5613-P-651-S SH. 1)

330500	AUGMENTED EXAMINATION ADG FROM NOZZLE RAMP TO 1 DIAMETER ON ELBOW	A UT 60SAX2.25 70SAX2.25 60SAX5.0 70SAX5.0	5.16-001	-	-	-	-	3/8/2003 - UT Complete. Nonmetallic Inclusions and Root Geometry **UT-20, UT-29**
--------	---	--	----------	---	---	---	---	--



DATE: 06/09/03  
REVISION: 3

TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 2 CPBEAR COMPONENTS

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MAIN FEEDWATER SYSTEM LOOP B

3-110

3-110		ASME	STATUS		N I O O N G T R S E E E I O E C G M R				REMARKS  **CALIBRATION BLOCK**
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI	EXAM METHOD	DATA SHEET #					
		CATEGORY ITEM NO							
(REF. DWG. NO. 5613-P-652-S SH. 1)									
333800	AUGMENTED EXAMINATION AUG	A	UT	5.16-002	-	-	-	-	03/10/2003 - UT Complete.
	FROM NOZZLE RAMP TO 1		60SAX2.25		-	-	X	-	Backing Ring and Root
	DIAMETER ON ELBOW		70SAX2.25		-	-	X	-	Geometry **UT-20, UT-29**
			60SAX5.0		-	-	X	-	
			70SAX5.0		-	-	X	-	

DATE: 06/09/03  
REVISION: 3

TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 2 CPBEAR COMPONENTS

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MAIN FEEDWATER SYSTEM LOOP C

3-111

3-111		ASME	STATUS		N I O O N G T R S E H E I O E C G M R					
SUMMARY	EXAMINATION AREA	SEC. XI	EXAM	METHOD	DATA SHEET #					REMARKS
NUMBER	IDENTIFICATION	CATEGORY								ITEM NO
(REF. DWG. NO. 5613-P-178-S SH. 1)										
338200	AUGMENTED EXAMINATION	AUG	A	UT	5.16-003	-	-	-	-	3/10/2003 - UT Complete.
	FROM NOZZLE RAMP TO 1			60SAX2.25		-	X	X	-	Nonmetallic Inclusions,
	DIAMETER ON ELBOW			70SAX2.25		-	-	X	-	Counterbore and Root
				60SAX5.0		-	-	X	-	Geometry. **UT-20, UT-29**
				60SAX5.0		-	-	X	-	

DATE: 06/09/03  
REVISION: 3

TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 2 CPBEAR COMPONENTS

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MAIN FEEDWATER BYPASS LOOP B

3-113

3-113		ASME	STATUS			N	I	O	
		SEC. XI					N	N	G
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	CATEGORY ITEM NO	EXAM METHOD	DATA SHEET #		R E C	I N S I G M	O R E I O N R	REMARKS  **CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-817-S SH. 5)									
339700	7883-H-013-04	F-A	C VT-3	4.3-003		X	-	-	3/2/2003 - VT3 Complete.
	DOUBLE ACTING	F1.20							Light rust on sliding plate
	RESTRAINT								stanchion.

REVISION: 3

### INSERVICE INSPECTION RESULTS SUMMARY

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**INTERVAL 3, PERIOD 3, OUTAGE 2 (03)**

## CLASS 2 CPBEAR COMPONENTS

### MAIN FEEDWATER BYPASS LOOP C

**3-114**

ASME

**STATUS**

**N I O**

**O N G T**

**R S E H**

E I O E  
a a y d

C G R R

REMARKS

**\*\*CALIBRATION BLOCK\*\***

(REF. DWG. NO. 5613-P-817-S SH. 6)

341000	6"-FWC-2303-7	C-F-4	C MT	2.2-002	X - - -	3/5/2003 - MT Complete
	PIPE TO 6" WELDOLET	C9.99	UT	5.2-005	- - - -	3/5/2003 - UT Complete.
			60SAX2.25		- - X -	Root Geometry seen 360
			60SCIR2.25		X - - -	degree intermittent.
			70SAX2.25		X - - -	**UT-23**

DATE: 06/09/03  
REVISION: 3

TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 3 CPBEAR COMPONENTS

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COMPONENT COOLING WATER FROM NORMAL CONT. COOLER D

3-123

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	STATUS EXAM METHOD	DATA SHEET #	N O R E C	I N S I G	O T H E R	REMARKS **CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-630-S SH. 1)								
347600	3-CCH-10 DOUBLE ACTING RESTRAINT	F-A F1.30	C VT-3	4.3-009	X	-	-	3/1/2003 - VT3 Complete. Clearance measured at 3.32". Per Standard STD-C-011 R3, gap dimension is acceptable.

**REVISION: 3**

**TURKEY POINT - UNIT 3**  
**INSERVICE INSPECTION RESULTS SUMMARY**  
**INTERVAL 3, PERIOD 3, OUTAGE 2 (03)**  
**CLASS 3 CPBEAR COMPONENTS**

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COMPONENT COOLING WATER FROM NORMAL CONT.COOL. A&B

**3-125**

3-125		ASME	STATUS		N	I	O	
SUMMARY	EXAMINATION AREA	SEC. XI			N	I	O	
NUMBER	IDENTIFICATION	CATEGORY	EXAM		R	S	E	
		ITEM NO	METHOD	DATA SHEET #	E	I	O	
					C	G	M	R
					REMARKS			
					**CALIBRATION BLOCK**			
(REF. DWG. NO. 5613-P-630-S SH. 3)								
348500	3-CCR-49	F-A	C VT-3	4.3-006	X	-	-	3/1/2003 - VT3 Complete.
	DOUBLE ACTING	F1.30						
	RESTRAINT							
-----								
348510	3-CCR-49 IA	D-A	C VT-1	4.1-001	X	-	-	3/1/2003 - VT1 Complete.
	INTEGRAL ATTACHMENT	D1.20						

DATE: 06/09/03  
REVISION: 3

TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 3 CPBEAR COMPONENTS

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COMPONENT COOLING WATER TO EMERGENCY CONT.COOLER C

3-132		ASME	STATUS		N I O				REMARKS
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI	EXAM METHOD	DATA SHEET #	O	N	G	T	
		CATEGORY			R	S	E	H	
		ITEM NO			E	I	O	E	
					C	G	M	R	
**CALIBRATION BLOCK**									
(REF. DWG. NO. 5613-P-591-S SH. 1)									
352500	3-CCH-12	F-A	C VT-3	4.3-002	X	-	-	-	3/1/2003 - VT3 Complete.
	SINGLE AND DOUBLE	F1.30							
	ACTING RESTRAINT								

DATE: 06/09/03  
REVISION: 3

TURKEY POINT - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 3, PERIOD 3, OUTAGE 2 (03)  
CLASS 3 CPBEAR COMPONENTS

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COMPONENT COOLING WATER SYSTEM OUTSIDE CONTAINMENT

3-150		ASME	STATUS		N I O O R S T R E I E C G M R				REMARKS
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI CATEGORY ITEM NO	EXAM METHOD	DATA SHEET #					**CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-613-S SH. 3)									
363500	3-CCH-25 SINGLE ACTING RESTRAINT	F-A F1.30	C VT-3	4.3-008	X	-	-	-	3/4/2003 - VT3 Complete. Light rust on inside fillet welds of pipe protection saddle to pipe. Also, 1/16" gap between conduit and angle iron.
-----									
363675	3-CCH-27 DOUBLE ACTING RESTRAINT	F-A F1.30	C VT-3	4.3-007	X	-	-	-	3/4/2003 - VT3 Complete. Gap of 5/32" was noted between the concrete wall and mechanically attached wall plate on the right side. Engineering disposition - Accept as-is. CRN C-11066 was written to reflect gap. CR03-0486.
-----									
363680	3-CCH-27 1A INTEGRAL ATTACHMENT	D-A D1.20	C VT-1	4.1-002	X	-	-	-	3/4/2003 -VT1 Complete. Light rust with paint flaking, peeling and discolored.



**TURKEY POINT  
UNIT 3**

**2003 REFUELING OUTAGE**

**SUMMARY OF VISUAL EXAMINATIONS AND  
FUNCTIONAL TESTING OF SNUBBERS**

### **Abstract**

**The attached report details the snubber inspection/testing performed for Florida Power and Light Company, Turkey Point Unit 3. These tests and inspections were performed during the Spring 2003 refueling outage, between the dates of 10/28/2001 and 03/28/2003.**

**Snubber inspection/testing was conducted in accordance with Plant Technical Specifications as allowed under Relief Request 4 of the Third Ten-Year Interval ISI Program.**

**MECHANICAL SHOCK ARRESTOR**  
**FINAL REPORT**

**TURKEY POINT**  
**UNIT 3**  
**2003**  
**CYLCE 20 REFUELING OUTAGE**

**Commercial Service Date: December 14, 1972**

**Prepared by:**

**Inservice Inspection Group  
Florida Power & Light  
Turkey Point Nuclear  
9760 S.W. 344 St.  
Florida City, FL  
33035**

**Originated by:**

*Rudy L. Spillman*

*3-25-03*  
Date

**Reviewed by:**

*[Signature]*

*4/7/03*  
Date

**Approved by:**

*Ej*

**Ed Lyons**

*4/14/03*  
Date

Mechanical shock arrestors (snubbers) were visually inspected/handstroked and functionally tested under purchase order #00051896 by Basic-PSA personnel in accordance with the following plant procedures:

O-OSP-105.1

O-OSP-105.2

A technical specification visual inspection, ASME Section XI VT-3 and a hand stroking was performed at the following tag locations:

3-1031	3-1033	3-1034	3-1036	3-1038	3-1040
3-1051	3-1052	3-1053	3-1054	3-1055	3-1057
3-1058	3-1069	3-1070	3-1071	3-1072	3-1073
3-1074	3-1076	3-1077	3-1078	3-1079	3-1080
3-1081	3-1082	3-1083	3-1084	3-1092	3-1093
3-1096	3-1097	3-1098	3-1099	3-1100	3-1101
3-1102	3-1103	3-1104	3-1105	3-1110	3-1111
3-1112	3-1120	3-1121	3-1136	3-1137	

A technical specification visual inspection, ASME Section XI VT-3, **NO HAND STROKE**, and a functional test was performed at the following tag locations:

<i>3-1032</i>	<i>3-1035</i>	<i>3-1037</i>	<i>3-1039</i>	<i>3-1075</i>	<i>3-1091</i>
<i>3-1095</i>	<i>3-1106</i>				
<b>3-1005</b>	<b>3-1123</b>	<b>3-1129</b>	<b>3-1135</b>		
<u>3-1094</u>					

*Italics indicates SR Sample snubbers*  
**Bold indicates QR Sample snubbers**  
Underline indicates previous rebuilds

A technical specification visual inspection, ASME Section XI VT-3 and a hand stroking was performed at the following tag locations. Upon completion of the technical specification visual inspection, ASME Section XI VT-3 and the hand stroking, snubbers 3-1048 and 3-1049 were changed out with previously rebuilt and functionally tested snubbers. The removed snubbers were rebuilt and functionally tested and will be utilized as spares for future outages.

3-1043	3-1044	3-1045	3-1046	3-1047	3-1048
3-1049	3-1050	3-1060			

**TURKEY POINT NUCLEAR PLANT  
OUTAGE SUMMARY REPORT  
UNIT 3 C20 OUTAGE REPORT WO # 32011891 01**

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1005	10579	11931	3/1/2003	PASS	03/02/03	PASS	26.250	PASS	NO	N/A	Performed initial visual inspection -SAT - Removed and transported to test trailer. Functional test (SAT), Snubber was disassembled for regrease and noted as having several worn aparts. Snubber was replaced with a tested spare (S/N 11931) because of worn parts. Load studs torqued to 125 ft. lbs. (Torque Wrench S/N B-5190, cal due 8/16/03. The transition tube (end piece) was torqued to 150 ft. lbs. (Torque Wrench S/N M-210, cal due 3/22/03). Final visual performed (SAT). S/N 10579 will be scrapped. Spherical bearings lubricated with neo-lube SC# 024982-3	FUNCTIONAL TEST PERFORMED?  STATUS PASS (N/A IF NOT PERFORMED)  TENSION COMPRESSION CRITERIA TEST 1 144.0 254.2 2500.0 TEST 2 241.5 254.2 2500.0 TEST 3 0.005 0.006 .02'g's TEST 4 157.5 325.8 2500.0  TEST SAMPLE? YES SAMPLE CLASS QR  DATE REINSTALLED: 03/02/03
3-1031	27086	N/A	3/2/2003	PASS		N/A	17.750	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?  STATUS N/A (N/A IF NOT PERFORMED)  TENSION COMPRESSION CRITERIA TEST 1 TEST 2 TEST 3 TEST 4  TEST SAMPLE? NO SAMPLE CLASS  DATE REINSTALLED:

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1032	24410	N/A	3/2/2003	PASS	03/02/03	PASS	13.750	PASS	NO	N/A	Visual Inspection -SAT, "L" Dimension acceptable, removed snubber for functional testing - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3. Re-installed snubber and performed as-left inspection-SAT.	FUNCTIONAL TEST PERFORMED? Yes STATUS PASS (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 5.6 9.5 75.0 TEST 2 8.9 10.3 75.0 TEST 3 0.005 0.008 .02g's TEST 4 9.7 7.7 75.0 TEST SAMPLE? YES SAMPLE CLASS SR DATE REINSTALLED: 03/04/03
3-1033	19328	N/A	3/2/2003	PASS	N/A	PASS	16.750	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED? STATUS N/A (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 TEST 2 TEST 3 TEST 4 TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1034	24429A	N/A	3/2/2003	PASS	N/A	13875	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?	STATUS N/A (N/A IF NOT PERFORMED)
												TENSION COMPRESSION CRITERIA
												TEST 1
												TEST 2
												TEST 3
												TEST 4
												TEST SAMPLE? NO SAMPLE CLASS
												DATE REINSTALLED:
3-1035	19330	N/A	3/2/2003	PASS	03/02/03	PASS	16.375	PASS	NO	N/A	Visual Inspection -SAT, "L" Dimension acceptable, removed snubber and transported to trailer for functional test - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3. Re-installed snubber and performed as-left inspection -SAT. Transition tube torqued to 120 in. lbs, torque wrench E-504, cal due 8/4/03.	FUNCTIONAL TEST PERFORMED?
												STATUS PASS (N/A IF NOT PERFORMED)
												TENSION COMPRESSION CRITERIA
												TEST 1 13.3 16.2 300.0
												TEST 2 15.0 16.2 300.0
												TEST 3 0.009 0.012 .02g's
												TEST 4 14.7 17.5 300.0
												TEST SAMPLE? YES SAMPLE CLASS SR
												DATE REINSTALLED: 03/03/03

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1036	27100	N/A	3/2/2003	PASS	N/A	16.375	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?	STATUS N/A (N/A IF NOT PERFORMED)
											TENSION COMPRESSION CRITERIA	
											TEST 1	
											TEST 2	
											TEST 3	
											TEST 4	
											TEST SAMPLE? NO	SAMPLE CLASS
											DATE REINSTALLED:	
3-1037	11922	N/A	3/6/2003	PASS	03/07/03	PASS	26.750	PASS	NO	N/A	Visual Inspection -SAT, "L" Dimension acceptable, removed snubber and transported to trailer for functional test - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3. Re-installed snubber and performed as-left inspection -SAT. Transition tube torqued to 150 in. lbs, torque wrench M-210, cal due 3/22/03.	FUNCTIONAL TEST PERFORMED? Yes
											STATUS PASS	(N/A IF NOT PERFORMED)
											TENSION	COMPRESSION CRITERIA
											TEST 1	250.6 195.7 2500.0
											TEST 2	390.2 367.7 2500.0
											TEST 3	0.002 0.002 .02g's
											TEST 4	235.3 294.9 2500.0
											TEST SAMPLE? YES	SAMPLE CLASS SR
											DATE REINSTALLED:	03/07/03



TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1038	11934	42410	3/7/2003	PASS	03/08/03	PASS	26.750	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, snubber could not be stroked by hand, it was removed and transported to the test trailer for stroke on the test machine. The snubber passed the functional test, was to be rebuilt due to high drag. S/N 11934 was replaced with a new functionally tested S/N 42410 functional test was SAT. S/N 11934 was scrapped. Lubricated spherical bearings of new snubber with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED? Yes STATUS PASS (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 278.7 771.4 2500.0 TEST 2 2304.7 1211.9 2500.0 TEST 3 0.001 0.001 .02g's TEST 4 631.1 1207.9 2500.0 TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED: 03/07/03
3-1039	16241	7782	3/7/2003	PASS	03/07/03	PASS	20.125	PASS	NO	N/A	Visual Inspection -SAT, "L" Dimension acceptable, snubber S/N 16241 was removed and transported to test trailer for functional test - SAT. The snubber was torn down to re-grease and the inner and outer races were noted as having vibration marks. The snubber was replaced with a functional tested spare S/N 7782 functional test was SAT. Torqued transition tube to 37 in lbs. (M-366, cal due 8/2/03). Lubricated spherical bearing with neo-lube SC# 024982-3. Snubber S/N 16241 will be rebuilt at later date.	FUNCTIONAL TEST PERFORMED? Yes STATUS PASS (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 73.5 95.7 750.0 TEST 2 88.7 115.2 750.0 TEST 3 0.009 0.005 .02g's TEST 4 90.5 101.6 750.0 TEST SAMPLE? YES SAMPLE CLASS SR DATE REINSTALLED: 03/07/03

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1040	16239	N/A	3/7/2003	PASS	N/A	20.750	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED? STATUS N/A (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 TEST 2 TEST 3 TEST 4 TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	
3-1043	12377	N/A	3/3/2003	PASS	N/A	21.0	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED? STATUS N/A (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 TEST 2 TEST 3 TEST 4 TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1044	17905	N/A	3/3/2003	PASS	N/A	21.50	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?  STATUS N/A (N/A IF NOT PERFORMED)  TENSION COMPRESSION CRITERIA  TEST 1  TEST 2  TEST 3  TEST 4  TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	
3-1045	10172	N/A	3/3/2003	PASS	N/A	21.50	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?  STATUS N/A (N/A IF NOT PERFORMED)  TENSION COMPRESSION CRITERIA  TEST 1  TEST 2  TEST 3  TEST 4  TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1046	10174	N/A	3/3/2003	PASS	N/A	20.75	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?	STATUS N/A (N/A IF NOT PERFORMED)
											TENSION COMPRESSION CRITERIA	
											TEST 1	
											TEST 2	
											TEST 3	
											TEST 4	
											TEST SAMPLE? NO	SAMPLE CLASS
											DATE REINSTALLED:	
3-1047	16251	N/A	3/3/2003	PASS	N/A	20.875	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?	STATUS N/A (N/A IF NOT PERFORMED)
											TENSION COMPRESSION CRITERIA	
											TEST 1	
											TEST 2	
											TEST 3	
											TEST 4	
											TEST SAMPLE? NO	SAMPLE CLASS
											DATE REINSTALLED:	

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1048	15718	16238	3/3/2003	PASS	03/06/03	PASS	19.50	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Removed snubber S/N 15718 and transported to test trailer for functional test -SAT. S/N 15718 was replaced with S/N 16238 as a rotation snubber. Lubricated spherical bearing with neo-lube SC# 024982-3. Extension piece bolts torqued to 37 ft. lbs. (Torque wrench S/N M-426 cal due 7/26/03). Applied safety wire to bolting. Re-installed and performed as-left inspection. Snubber S/N 15718 will be used as a tested spare.	FUNCTIONAL TEST PERFORMED? STATUS PASS (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 27.3 44.8 300.0 TEST 2 48.7 63.2 300.0 TEST 3 0.007 0.07 .02g's TEST 4 66.5 42.6 300.0 TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED: 03/03/03
3-1049	7782	11461	3/3/2003	PASS	03/06/03	PASS	20.375	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Removed snubber S/N 7782 and transported to test trailer for functional test-SAT.S/N 7782 was replaced with S/N 11461 as a rotation snubber. Lubricated spherical bearing with neo-lube SC# 024982-3. Extension piece bolts torqued to 37 ft. lbs. (Torque wrench S/N M-426 cal due 7/26/03). Applied safety wire to bolting. Re-installed and performed as-left inspection. Snubber S/N 7782 will be used as atested spare.	FUNCTIONAL TEST PERFORMED? Yes STATUS PASS (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 28.4 34.2 300.0 TEST 2 35.9 40.0 300.0 TEST 3 0.008 0.006 .02g's TEST 4 38.0 41.8 300.0 TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED: 03/03/03

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1050	17841	N/A	3/3/2003	PASS	N/A	22.50	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?  STATUS N/A (N/A IF NOT PERFORMED)  TENSION COMPRESSION CRITERIA  TEST 1  TEST 2  TEST 3  TEST 4  TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	
3-1051	16249	N/A	3/8/2003	PASS	N/A	21.375	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?  STATUS N/A (N/A IF NOT PERFORMED)  TENSION COMPRESSION CRITERIA  TEST 1  TEST 2  TEST 3  TEST 4  TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY
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# FUNCTIONAL TEST SUMMARY

3-1052	16233	N/A	3/8/2003	PASS		N/A	21.375	PASS	YES	PASS
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Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT.  
Lubricated spherical bearing with neo-lube SC# 024982-3.

## FUNCTIONAL TEST PERFORMED?

STATUS N/A (N/A IF NOT PERFORMED)

## TENSION COMPRESSION CRITERIA

TEST 1

TEST 2

TEST 3

TEST 4

TEST SAMPLE? NO SAMPLE CLASS

DATE REINSTALLED:

3-1053	2462	N/A	3/8/2003	PASS		N/A	20.50	PASS	YES	PASS
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Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT.  
Lubricated spherical bearing with neo-lube SC3 024982-3.

## FUNCTIONAL TEST PERFORMED?

STATUS N/A (N/A IF NOT PERFORMED)

## TENSION COMPRESSION CRITERIA

TEST 1

TEST 2

TEST 3

TEST 4

TEST SAMPLE? NO SAMPLE CLASS

DATE REINSTALLED:

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1054	16248	N/A	3/8/2003	PASS	N/A		20.50	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neolube SC# 024982-3.	FUNCTIONAL TEST PERFORMED? STATUS N/A (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 TEST 2 TEST 3 TEST 4 TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:
3-1055	13689	N/A	3/8/2003	PASS	N/A		20.750	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neolube SC# 024982-3.	FUNCTIONAL TEST PERFORMED? STATUS N/A (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 TEST 2 TEST 3 TEST 4 TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:



TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY
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# FUNCTIONAL TEST SUMMARY

3-1057	27106	N/A	3/5/2003	PASS		N/A	16.0	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neolube SC# 024982-3.
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## FUNCTIONAL TEST PERFORMED?

STATUS N/A (N/A IF NOT PERFORMED)

## TENSION COMPRESSION CRITERIA

TEST 1

TEST 2

TEST 3

TEST 4

TEST SAMPLE? NO SAMPLE CLASS

DATE REINSTALLED:

3-1058	27102	N/A	3/4/2003	PASS			16.375	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neolube 24982-3.
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## FUNCTIONAL TEST PERFORMED?

STATUS (N/A IF NOT PERFORMED)

## TENSION COMPRESSION CRITERIA

TEST 1

TEST 2

TEST 3

TEST 4

TEST SAMPLE? NO SAMPLE CLASS

DATE REINSTALLED:

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T
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# INSPECTION SUMMARY

# FUNCTIONAL TEST SUMMARY

3-1060	19728	N/A	3/3/2003	PASS	N/A	18.312	PASS	YES	PASS
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Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT.  
Lubricated spherical bearing with neo-lube SC# 024982-3.

## FUNCTIONAL TEST PERFORMED?

STATUS N/A (N/A IF NOT PERFORMED)

## TENSION COMPRESSION CRITERIA

TEST 1

TEST 2

TEST 3

TEST 4

TEST SAMPLE? NO SAMPLE CLASS

DATE REINSTALLED:

3-1069	27072	N/A	3/4/2003	PASS	N/A	16.625	PASS	YES	PASS
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Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT.  
Lubricated spherical bearing with neo-lube SC# 024982-3.

## FUNCTIONAL TEST PERFORMED?

STATUS N/A (N/A IF NOT PERFORMED)

## TENSION COMPRESSION CRITERIA

TEST 1

TEST 2

TEST 3

TEST 4

TEST SAMPLE? NO SAMPLE CLASS

DATE REINSTALLED:

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1070	27079	N/A	3/4/2003	PASS	N/A	17.750	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?  STATUS N/A (N/A IF NOT PERFORMED)  TENSION COMPRESSION CRITERIA  TEST 1  TEST 2  TEST 3  TEST 4  TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	
3-1071	27069	N/A	3/4/2003	PASS	N/A	15.625	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?  STATUS N/A (N/A IF NOT PERFORMED)  TENSION COMPRESSION CRITERIA  TEST 1  TEST 2  TEST 3  TEST 4  TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1072	27073	N/A	3/4/2003	PASS	N/A	16.0	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED? STATUS N/A (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 TEST 2 TEST 3 TEST 4 TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	
3-1073	27090	N/A	3/4/2003	PASS	N/A	17.375	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED? STATUS N/A (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 TEST 2 TEST 3 TEST 4 TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T
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# INSPECTION SUMMARY

# FUNCTIONAL TEST SUMMARY

3-1074	27104	N/A	3/4/2003	PASS	N/A	17.50	PASS	YES	PASS
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Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.

## FUNCTIONAL TEST PERFORMED?

STATUS N/A (N/A IF NOT PERFORMED)

## TENSION COMPRESSION CRITERIA

TEST 1

TEST 2

TEST 3

TEST 4

TEST SAMPLE? NO SAMPLE CLASS

DATE REINSTALLED:

3-1075	18074	18072	3/2/2003	PASS	03/02/03	PASS	8.625	PASS	NO	N/A
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Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Removed snubber S/N 18074 and transported to test trailer for a functional test - SAT. Snubber was disassembled and noted as having worn parts. Snubber was replaced with functionally tested spare S/N 18072 functional test was SAT. Snubber 18074 was scrapped. Lubricated spherical bearing with neo-lube SC# 24982-3. Extension tube torqued to 22 in. lbs. (Torque wrench S/N M-666 cal due 8/18/03). Re-installed and performed as-left inspection -SAT.

## FUNCTIONAL TEST PERFORMED?

Yes

STATUS PASS (N/A IF NOT PERFORMED)

## TENSION COMPRESSION CRITERIA

TEST 1	5.2	12.5	32.5
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TEST 2	7.2	22.6	32.5
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TEST 3	0.011	0.010	.02g's
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TEST 4	6.0	14.6	32.5
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TEST SAMPLE? YES SAMPLE CLASS SR

DATE REINSTALLED:

03/03/03

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY
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# FUNCTIONAL TEST SUMMARY

3-1076	19725	N/A	3/4/2003	PASS	N/A	17.437	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.
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## FUNCTIONAL TEST PERFORMED?

STATUS N/A (N/A IF NOT PERFORMED)

## TENSION COMPRESSION CRITERIA

TEST 1

TEST 2

TEST 3

TEST 4

TEST SAMPLE? NO SAMPLE CLASS

DATE REINSTALLED:

3-1077	16230	N/A	3/8/2003	PASS	N/A	20.50	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.
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## FUNCTIONAL TEST PERFORMED?

STATUS N/A (N/A IF NOT PERFORMED)

## TENSION COMPRESSION CRITERIA

TEST 1

TEST 2

TEST 3

TEST 4

TEST SAMPLE? NO SAMPLE CLASS

DATE REINSTALLED:

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1078	16244	N/A	3/8/2003	PASS		N/A	19.875	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	<b>FUNCTIONAL TEST PERFORMED?</b> <b>STATUS</b> N/A (N/A IF NOT PERFORMED) <b>TENSION COMPRESSION CRITERIA</b> <b>TEST 1</b> <b>TEST 2</b> <b>TEST 3</b> <b>TEST 4</b> <b>TEST SAMPLE?</b> NO <b>SAMPLE CLASS</b> <b>DATE REINSTALLED:</b>
3-1079	10176	N/A	3/8/2003	PASS		N/A	22.125	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	<b>FUNCTIONAL TEST PERFORMED?</b> <b>STATUS</b> N/A (N/A IF NOT PERFORMED) <b>TENSION COMPRESSION CRITERIA</b> <b>TEST 1</b> <b>TEST 2</b> <b>TEST 3</b> <b>TEST 4</b> <b>TEST SAMPLE?</b> NO <b>SAMPLE CLASS</b> <b>DATE REINSTALLED:</b>

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1080	12396	N/A	3/8/2003	PASS	N/A	21.00	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?  STATUS N/A (N/A IF NOT PERFORMED)  TENSION COMPRESSION CRITERIA  TEST 1  TEST 2  TEST 3  TEST 4  TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	
3-1081	11921	N/A	3/8/2003	PASS	N/A	25.125	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?  STATUS N/A (N/A IF NOT PERFORMED)  TENSION COMPRESSION CRITERIA  TEST 1  TEST 2  TEST 3  TEST 4  TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	



TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1082	11932	N/A	3/8/2003	PASS	N/A	26.375	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED? STATUS N/A (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 TEST 2 TEST 3 TEST 4 TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	
3-1083	11925	N/A	3/9/2003	PASS	N/A	25.125	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED? STATUS N/A (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 TEST 2 TEST 3 TEST 4 TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1084	7000	N/A	3/3/2003	PASS	N/A	25.0	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3. Load studs were torqued to 150 ft. lbs. (Torque wrench S/N M-73 cal due 8/2/03). The pipe end was inspected on 3/9/03 by Jim Noble - SAT using the manbasket.	FUNCTIONAL TEST PERFORMED? STATUS N/A (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 TEST 2 TEST 3 TEST 4 TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	
3-1091	27087	N/A	3/6/2003	PASS	03/06/03	PASS	18.750	PASS	NO	N/A	Visual Inspection -SAT, "L" Dimension acceptable, removed snubber and transported to test trailer for functional test - SAT. Torqued extension piece to 120 in. lbs.(torque wrench E-504 cal due 8/4/03). Lubricated spherical bearing with neo-lube SC# 024982-3. Re-installed snubber and performed as-left inspection -SAT.	FUNCTIONAL TEST PERFORMED? Yes STATUS PASS (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 21.4 28.4 300.0 TEST 2 33.0 29.2 300.0 TEST 3 0.001 0.003 .02g's TEST 4 31.3 28.6 300.0 TEST SAMPLE? YES SAMPLE CLASS SR DATE REINSTALLED: 03/06/03

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1092	27105	N/A	3/6/2003	PASS	N/A	17.875	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?	STATUS N/A (N/A IF NOT PERFORMED)
											TENSION COMPRESSION CRITERIA	
											TEST 1	
											TEST 2	
											TEST 3	
											TEST 4	
											TEST SAMPLE? NO SAMPLE CLASS	
											DATE REINSTALLED:	
3-1093	27091	N/A	3/6/2003	PASS	N/A	17.250	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?	STATUS N/A (N/A IF NOT PERFORMED)
											TENSION COMPRESSION CRITERIA	
											TEST 1	
											TEST 2	
											TEST 3	
											TEST 4	
											TEST SAMPLE? NO SAMPLE CLASS	
											DATE REINSTALLED:	

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1094	17424	27092	3/5/2003	PASS	03/03/03	PASS	14.875	PASS	YES	PASS	Performed initial visual inspection and handstroke -SAT. The snubber S/N 17424 was replaced with a functionally tested spare snubber S/N 27092 functional test was SAT. (snubber is located in a Locked High Rad area) and transported to the test trailer for a scheduled functional test. The functional test was SAT. and placed in Dry Storage as a spare. Mounting bolts were torqued for S/N 27092 (the replacement snubber) to 120 in. lbs. (torque wrench S/N M-640, cal due 3/22/03). Lubricated spherical bearings and load pins with neo-lube SC# 024982-3. Performed final visual inspection - SAT.	FUNCTIONAL TEST PERFORMED? Yes STATUS PASS (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 13.5 20.8 300.0 TEST 2 30.0 24.7 300.0 TEST 3 0.003 0.004 .02g's TEST 4 24.5 22.1 300.0 TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED: 03/06/03
3-1095	16733	N/A	3/2/2003	PASS	03/02/03	PASS	8.500	PASS	N/A	N/A	Visual Inspection -SAT, "L" Dimension acceptable, the snubber was removed and transported to the test trailer for a functional test - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3. Re-installed snubber and performed as-left inspection (SAT).	FUNCTIONAL TEST PERFORMED? Yes STATUS PASS (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 2.1 4.6 32.5 TEST 2 4.0 4.6 32.5 TEST 3 0.007 0.010 .02g's TEST 4 3.5 4.9 32.5 TEST SAMPLE? YES SAMPLE CLASS SR DATE REINSTALLED: 03/03/03

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1096	11993	N/A	3/3/2003	PASS	N/A	9.375	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?  STATUS N/A (N/A IF NOT PERFORMED)  TENSION COMPRESSION CRITERIA  TEST 1  TEST 2  TEST 3  TEST 4   TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	
3-1097	16724	N/A	3/3/2003	PASS	N/A	8.875	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?  STATUS N/A (N/A IF NOT PERFORMED)  TENSION COMPRESSION CRITERIA  TEST 1  TEST 2  TEST 3  TEST 4   TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1098	33628	N/A	3/4/2003	PASS	N/A	10.50	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?  STATUS N/A (N/A IF NOT PERFORMED)  TENSION COMPRESSION CRITERIA  TEST 1  TEST 2  TEST 3  TEST 4  TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	
3-1099	38481	N/A	3/4/2003	PASS	N/A	11.625	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?  STATUS N/A (N/A IF NOT PERFORMED)  TENSION COMPRESSION CRITERIA  TEST 1  TEST 2  TEST 3  TEST 4  TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1100	17819	N/A	3/4/2003	PASS	N/A	8.312	PASS	YES	PASS	Visual inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?	STATUS N/A (N/A IF NOT PERFORMED)
											TENSION COMPRESSION CRITERIA	
											TEST 1	
											TEST 2	
											TEST 3	
											TEST 4	
											TEST SAMPLE? NO SAMPLE CLASS	
											DATE REINSTALLED:	
3-1101	33626	N/A	3/4/2003	PASS	N/A	11.500	PASS	YES	PASS	Visual inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?	STATUS N/A (N/A IF NOT PERFORMED)
											TENSION COMPRESSION CRITERIA	
											TEST 1	
											TEST 2	
											TEST 3	
											TEST 4	
											TEST SAMPLE? NO SAMPLE CLASS	
											DATE REINSTALLED:	

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1102	29451	N/A	3/4/2003	PASS	N/A	11.125	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?  STATUS N/A (N/A IF NOT PERFORMED)  TENSION COMPRESSION CRITERIA  TEST 1  TEST 2  TEST 3  TEST 4  TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	
3-1103	11996	N/A	3/3/2003	PASS	N/A	8.250	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?  STATUS N/A (N/A IF NOT PERFORMED)  TENSION COMPRESSION CRITERIA  TEST 1  TEST 2  TEST 3  TEST 4  TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	



TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1104	24412	N/A	3/4/2003	PASS	N/A	13.50	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?  STATUS N/A (N/A IF NOT PERFORMED)  TENSION COMPRESSION CRITERIA  TEST 1  TEST 2  TEST 3  TEST 4  TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	
3-1105	16134	N/A	3/2/2003	PASS	N/A	12.937	PASS	YES	PASS	Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3	FUNCTIONAL TEST PERFORMED?  STATUS N/A (N/A IF NOT PERFORMED)  TENSION COMPRESSION CRITERIA  TEST 1  TEST 2  TEST 3  TEST 4  TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:	

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1106	38479	N/A	3/5/2003	PASS	03/05/03	PASS	11.187	PASS	NO	N/A	Visual Inspection -SAT, "L" Dimension acceptable, removed snubber and transported to test trailer for functional test - SAT. Torqued extension piece to 22 in. lbs.(torque wrench M-666 cal due 8/18/03). Lubricated spherical bearing with neo-lube SC# 024982-3. Re-installed snubber and performed as-left inspection SAT.	FUNCTIONAL TEST PERFORMED? Yes STATUS PASS (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 5.5 9.4 17.5 TEST 2 8.1 9.4 17.5 TEST 3 0.011 0.011 .02g's TEST 4 5.7 4.5 17.5 TEST SAMPLE? YES SAMPLE CLASS SR DATE REINSTALLED: 03/08/03
3-1110	16136	N/A	3/2/2003	PASS	N/A	13.125	PASS	YES	PASS		Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED? STATUS N/A (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 TEST 2 TEST 3 TEST 4 TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1111	2875	N/A	3/4/2003	PASS	N/A	17.250	PASS	YES	PASS	Visual inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?	STATUS N/A (N/A IF NOT PERFORMED)
											TENSION COMPRESSION CRITERIA	
											TEST 1	
											TEST 2	
											TEST 3	
											TEST 4	
											TEST SAMPLE? NO	SAMPLE CLASS
											DATE REINSTALLED:	
3-1112	27083	N/A	3/4/2003	PASS	N/A	16.375	PASS	YES	PASS	Visual inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.	FUNCTIONAL TEST PERFORMED?	STATUS N/A (N/A IF NOT PERFORMED)
											TENSION COMPRESSION CRITERIA	
											TEST 1	
											TEST 2	
											TEST 3	
											TEST 4	
											TEST SAMPLE? NO	SAMPLE CLASS
											DATE REINSTALLED:	

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY
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# FUNCTIONAL TEST SUMMARY

3-1120	18325	N/A	3/4/2003	PASS			N/A	8.687	PASS	YES	PASS
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Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.

## FUNCTIONAL TEST PERFORMED?

STATUS N/A (N/A IF NOT PERFORMED)

TENSION COMPRESSION CRITERIA

TEST 1

TEST 2

TEST 3

TEST 4

TEST SAMPLE? NO SAMPLE CLASS

DATE REINSTALLED:

3-1121	24430	N/A	3/4/2003	PASS			N/A	12.625	PASS	YES	PASS
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Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3.

## FUNCTIONAL TEST PERFORMED?

STATUS N/A (N/A IF NOT PERFORMED)

TENSION COMPRESSION CRITERIA

TEST 1

TEST 2

TEST 3

TEST 4

TEST SAMPLE? NO SAMPLE CLASS

DATE REINSTALLED:

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1123	6484	N/A	3/1/2003	PASS	03/01/03	PASS	26.957	PASS	NO	N/A	Visual Inspection -SAT, "L" Dimension acceptable, the snubber was removed and transported to the test trailer for a functional test - SAT. Lubricated spherical bearing with neo-lube SC# 024982-3. RE-installed snubber and performed an as-left inspection SAT.	FUNCTIONAL TEST PERFORMED? Yes STATUS PASS (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 212.6 225.8 2500.0 TEST 2 212.6 225.8 2500.0 TEST 3 0.010 0.011 .02g's TEST 4 194.7 212.1 2500.0 TEST SAMPLE? YES SAMPLE CLASS QR DATE REINSTALLED: 03/01/03
3-1129	12987	N/A	3/1/2003	PASS	03/01/03	PASS	26.187	PASS	NO	N/A	Visual Inspection-SAT, "L" Dimension acceptable, the snubber was removed and transported to the test trailer for a functional test -SAT. Torqued transition tube at 150 ft. lbs. (Torque Wrench S/N B5190 Cal due 8/16/03) . Spherical bearings and load pin lubricated with neolube SC# 24982-3. Re-installed snubber and performed an as-left inspection SAT.	FUNCTIONAL TEST PERFORMED? Yes STATUS PASS (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 163.8 191.1 2500.0 TEST 2 179.4 303.8 2500.0 TEST 3 0.004 0.008 .02g's TEST 4 244.7 337.3 2500.0 TEST SAMPLE? YES SAMPLE CLASS QR DATE REINSTALLED: 03/02/03

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T	INSPECTION SUMMARY	FUNCTIONAL TEST SUMMARY
3-1135	17839	N/A	3/1/2003	PASS	03/01/03	PASS	19.375	PASS	NO	N/A	Visual Inspection-SAT, "L" Dimension acceptable, the snubber was removed and transported to the test trailer for a functional test -SAT. Torqued extension piece at 37 ft. lbs. (Torque Wrench S/N M366 Cal due 8/2/03) Spherical bearings and load pin lubricated with neolube SC# 24982-3. Re-installed snubber and performed an as-left inspection SAT	FUNCTIONAL TEST PERFORMED? Yes STATUS PASS (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 120.5 88.5 750.0 TEST 2 120.5 98.3 750.0 TEST 3 0.006 0.005 .02g's TEST 4 96.2 80.9 750.0 TEST SAMPLE? YES SAMPLE CLASS OR DATE REINSTALLED: 03/01/03
3-1136	19884	N/A	3/4/2003	PASS	N/A	8.750	PASS	YES	PASS		Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT. Lubricated spherical bearing with neolube SC# 024982-3.	FUNCTIONAL TEST PERFORMED? STATUS N/A (N/A IF NOT PERFORMED) TENSION COMPRESSION CRITERIA TEST 1 TEST 2 TEST 3 TEST 4 TEST SAMPLE? NO SAMPLE CLASS DATE REINSTALLED:

TAG #	SERIAL #	REPLACE- MENT S/N	VISUAL INSPECT DATE	S T A T	FUNCTIONAL INSPECT DATE	S T A T	L DIMEN	S T A T	HAND- STROKE ?	S T A T
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# INSPECTION SUMMARY

# FUNCTIONAL TEST SUMMARY

3-1137	19885	N/A	3/4/2003	PASS	N/A	8.750	PASS	YES	PASS
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Visual Inspection -SAT, "L" Dimension acceptable, handstroke - SAT.  
Lubricated spherical bearing with neo-lube SC# 024982-3.

## FUNCTIONAL TEST PERFORMED?

STATUS N/A (N/A IF NOT PERFORMED)

## TENSION COMPRESSION CRITERIA

TEST 1

TEST 2

TEST 3

TEST 4

TEST SAMPLE? NO SAMPLE CLASS

DATE REINSTALLED:

**TURKEY POINT  
UNIT 3**

**2003 REFUELING OUTAGE**

**NIS-BB Report**





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To: D. Robbins Date: May 7, 2003

From: A. Montalbano Department: ENG / CSI

Subject: Turkey Point Unit 3 EOC 19 CSI-NDE-03-025  
Final S/G Tube Examination Results  
"NIS-BB Report"

This report addresses Plant Technical Specification Section 4.4.5.5 b. The attached information provides the summarized results for the inservice inspection of steam generator tubing, which is to be submitted to the Commission within twelve months of the examination completion date.

1. In-service examination and plugging of the Turkey Point Unit 3 steam generator tubing was completed between March 9, 2003 and March 13, 2003. The number and extent of tubes examined is 100% of all inservice tubes, in row 3 and higher, in S/G's 3A, 3B and 3C from tube end to tube end using the bobbin coil technique. The bobbin coil technique was also used to examine the hot leg and cold leg straight sections of rows 1 and 2 in all three S/G's. The motorized rotating pancake coil technique (Plus Point) was used to examine 100% of the hot leg tube expansion transitions in S/G's 3A, 3B and 3C. Additional Plus Point examinations were performed in approximately 50% of the Row 1 and Row 2 U-bends and approximately 50% of the hot leg dents ( $\geq 5$  volts). This is shown under "Total Tubes Inspected" on the attached "FORM NIS-BB 'OWNERS' DATA REPORT FOR EDDY CURRENT EXAMINATION RESULTS" (Attachment 1).
2. The location and percent of wall thickness penetration is also summarized on the attached "FORM NIS-BB" under "Location of Indications. Mechanical wear damage at anti-vibration bars (AVB) and broached tube support plates was sized using qualified sizing techniques. Corrosion type indications are plugged on detection when encountered. There were no corrosion type indications reported during this examination.
3. The results of this examination indicate that three (3) tubes required plugging. This is summarized in the upper portion of the attached "FORM NIS-BB".
4. The attached "EOC19 20 - 39% Indications" reports for steam generators 3A, 3B and 3C (Attachment 2) and the "EOC19 40 - 100%, VOL, PIT, PTP Indications" reports for steam generators 3A, 3B and 3C (Attachment 3) are included as source documents for preparation of the "Form NIS-BB".

5. The examination results have been classified as category C-1 in S/G's 3A, 3B and 3C according to Plant Technical Specification Section 4.4.5.2. Plant Technical Specification Section 4.4.5.3.a requires two consecutive inspections in which all inspection results are classified category C-1 before the inspection interval may be extended to a maximum of once per 40 months. The examination results for the October 2001 inspection were classified as category C-1 in S/G's A and C and category C-2 in S/G B. Accordingly, the next examination will be required within 24 calendar months. Reporting of the result classifications is not required by Plant Technical Specification Section 4.4.5.5. Accordingly, this information is provided for internal use only.

If we can be of further assistance, please let us know.

Verified By: Wally Hene  
CSPECT Principle Level III

Date: 5.9.03

Reviewed By: Mary L Boyers  
CSI S/G Technical Specialist

Date: 5-9-03

Reviewed By: John P. Albrecht  
CSI Supervisor-Inspections

Date: 5/9/03

Approved By: [Signature]  
Manger CSI

Date: 5/10/03

Attachments:

cc:

RD Gil	w/o attachments
GP Alexander	w/o attachments
GL Boyers	
C Connelly	w/o attachments
O Hanek	
W Wolters	Framatome-ANP (PTN-3 S/G EOC19 Final Report)

**Attachment 1**

Page 1 of 1

**FORM NIS-BB OWNERS' DATA REPORT FOR EDDY CURRENT EXAMINATION RESULTS**  
 As required by the provisions of the ASME CODE RULES

**EDDY CURRENT EXAMINATION RESULTS**

**PLANT:** Turkey Point Unit 3

**EXAMINATION DATE:** March 9, 2003 through March 13, 2003

STEAM GENERATOR	TOTAL TUBES INSPECTED	TOTAL TUBES 20%-39%	TOTAL TUBES ≥40%, PIT & VOL	TUBES PREVENTIVELY PLUGGED (PTP)	TUBES PLUGGED THIS OUTAGE	TOTAL PLUGGED TUBES IN S/G
3E210A (Bobbin)	3168	6 <sub>(1)</sub>	0	0	0	See RPC
3E210B (Bobbin)	3147	6 <sub>(1)</sub>	0	1 <sub>(4)</sub>	1 <sub>(4)</sub>	See RPC
3E210C (Bobbin)	3161	26 <sub>(1)</sub>	0	0	0	See RPC
3E210A (RPC)	3397 <sub>(5)</sub>	2 <sub>(2)</sub>	0	1 <sub>(3)</sub>	1 <sub>(3)</sub>	47
3E210B (RPC)	3307 <sub>(5)</sub>	0	0	1 <sub>(4)</sub>	1 <sub>(4)</sub>	69
3E210C (RPC)	3288 <sub>(5)</sub>	0	0	0	0	53

**LOCATION OF INDICATIONS**  
 (20% - 100%, PIT & VOL)

STEAM GENERATOR	AVB Bars	Tube Supports 1 thru 6 C/L	Tube Supports 1 thru 6 H/L	Freespan 6H thru 6C UBEND	Top of Tubesheet to #1 Support C/L	Top of Tubesheet to #1 Support H/L	Total Indications 20%-39%	Total Indications ≥40%, PIT & VOL
3E210A (Bobbin)	6 <sub>(1)</sub>	0	0	0	0	0	6	0
3E210B (Bobbin)	13 <sub>(1)</sub>	0	0	0	0	0	13	0
3E210C (Bobbin)	40 <sub>(1)</sub>	0	0	0	0	0	40	0
3E210A (RPC)	0	0	0	1 <sub>(3)</sub>	0	1 <sub>(2)</sub>	2	0
3E210B (RPC)	0	0	0	0	0	0	0	0
3E210C (RPC)	0	0	0	0	0	0	0	0

**Remarks:**

- (1) Mechanical wear damage at anti-vibration bars (AVB) was depth sized using qualified bobbin coil sizing technique.
- (2) Mechanical wear damage at the top of tubesheet was depth sized using qualified Plus Point RP coil sizing technique. (R16 C4 in SG 3A)
- (3) One tube in 3A (R21 C38) was preventatively plugged due to a manufacturing indication (SVI – Single Volumetric Indication) in the U-bend region. This indication was determined to be present since the preservice inspection and has not exhibited any evidence of change.
- (4) Two tubes in 3B were preventatively plugged. One due to mechanical wear (35% through wall) at an anti vibration bar in the u-bend and one tube due to a restriction in the u-bend to a plus point examination.
- (5) Includes tubes in the hot leg dent, low row U-bend, special interest (SI) and hot leg TTS expansion transition programs.

### Attachment 2 (SG 3A)

Framatome ANP Inc.  
 Customer Name: Turkey Point - Unit 3

Component: S/G A

#### EOC19 20-39% Indications

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	LEG	PROBE
16	4	0.24	120	2	TWD	29	TSH			+1.36				31	HOT	720PP
21	38	0.24	91	3	SVI		AV2			+11.25				42	HOT	6801P
28	59	0.66	85	P 2	TWD	25	AV2			-0.33				16	COLD	720UL
30	52	0.50	85	P 2	TWD	21	AV3			-0.19				15	COLD	720UL
31	44	0.48	137	P 2	TWD	22	AV3			+0.00				12	COLD	720UL
33	15	0.62	134	P 2	TWD	20	AV3			-0.00				3	COLD	720UL
37	47	0.88	66	P 2	TWD	30	AV3			+0.00				15	COLD	720UL
38	65	0.48	33	P 2	TWD	21	AV3			+0.05				17	COLD	720UL

Total Tubes : 8  
 Total Records: 8

### Attachment 2 (SG 3B)

Framatome ANP Inc.  
 Customer Name: Turkey Point - Unit 3

Component: S/G B

#### EOC19 20-39% Indications

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	LEG	PROBE
30	42	0.57	43	P 2	TWD	21	AV2			+0.07				6	COLD	720UL
		0.94	72	P 2	TWD	29	AV3			+0.15				6	COLD	720UL
		0.69	43	P 2	TWD	24	AV4			+0.00				6	COLD	720UL
32	34	0.52	66	P 2	TWD	24	AV4			-0.12				7	COLD	720UL
		1.02	54	P 2	TWD	35	AV2			-0.20				7	COLD	720UL
		0.99	72	P 2	TWD	35	AV1			+0.00				7	COLD	720UL
		0.51	42	P 2	TWD	24	AV3			-0.72				7	COLD	720UL
		0.97	75	P 2	TWD	34	AV3			+0.55				7	COLD	720UL
34	31	0.69	55	P 2	TWD	23	AV3			+0.39				8	COLD	720UL
34	53	1.03	83	P 2	TWD	28	AV2			-0.76				18	COLD	720UL
		0.66	132	P 2	TWD	21	AV1			+0.02				18	COLD	720UL
35	48	0.69	129	P 2	TWD	21	AV3			+0.11				18	COLD	720UL
45	46	0.53	42	P 2	TWD	20	AV2			+0.07				6	COLD	720UL

Total Tubes : 6  
 Total Records: 13

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 May 7, 2003  
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### Attachment 2 (SG 3C)

Framatome ANP Inc.  
 Customer Name: Turkey Point - Unit 3

Component: S/G C

#### EOC19 20-39% Indications

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	LEG	PROBE
21	38	0.46	62	P 2	TWD 24	AV3	-0.13	TEH	TEC					8		COLD	720UL
		0.46	32	P 2	TWD 24	AV2	+0.06	TEH	TEC					8		COLD	720UL
21	62	0.29	130	P 2	TWD 20	AV2	-0.09	TEH	TEC					11		COLD	720UL
23	45	0.47	149	P 2	TWD 23	AV3	+0.16	TEH	TEC					7		COLD	720UL
24	59	0.39	63	P 2	TWD 24	AV1	+0.00	TEH	TEC					11		COLD	720UL
		0.36	33	P 2	TWD 23	AV2	-0.11	TEH	TEC					11		COLD	720UL
24	63	0.51	32	P 2	TWD 24	AV3	+0.22	TEH	TEC					12		COLD	720UL
25	62	0.44	69	P 2	TWD 26	AV2	-0.14	TEH	TEC					11		COLD	720UL
		0.41	158	P 2	TWD 25	AV3	-0.02	TEH	TEC					11		COLD	720UL
26	58	0.41	48	P 2	TWD 20	AV1	+0.04	TEH	TEC					12		COLD	720UL
		0.70	135	P 2	TWD 29	AV2	+0.17	TEH	TEC					12		COLD	720UL
28	48	0.89	87	P 2	TWD 34	AV2	+0.15	TEH	TEC					10		COLD	720UL
30	30	0.38	40	P 2	TWD 20	AV4	+0.07	TEH	TEC					5		COLD	720UL
30	31	0.49	42	P 2	TWD 24	AV3	-0.13	TEH	TEC					6		COLD	720UL
		0.47	124	P 2	TWD 24	AV2	-0.04	TEH	TEC					6		COLD	720UL
		0.50	48	P 2	TWD 25	AV1	-0.37	TEH	TEC					6		COLD	720UL
30	61	0.66	81	P 2	TWD 28	AV2	+0.09	TEH	TEC					12		COLD	720UL
33	31	0.42	147	P 2	TWD 22	AV3	-0.13	TEH	TEC					6		COLD	720UL
33	32	0.37	68	P 2	TWD 20	AV3	+0.14	TEH	TEC					5		COLD	720UL
33	43	0.60	28	P 2	TWD 28	AV3	-0.17	TEH	TEC					6		COLD	720UL
		0.42	135	P 2	TWD 22	AV2	-0.08	TEH	TEC					6		COLD	720UL
34	31	0.78	129	P 2	TWD 32	AV3	-0.15	TEH	TEC					6		COLD	720UL
		0.59	83	P 2	TWD 27	AV2	-0.04	TEH	TEC					6		COLD	720UL
34	41	0.64	108	P 2	TWD 29	AV4	-0.15	TEH	TEC					6		COLD	720UL
		0.72	105	P 2	TWD 31	AV3	-0.15	TEH	TEC					6		COLD	720UL
		0.72	113	P 2	TWD 31	AV2	-0.06	TEH	TEC					6		COLD	720UL
		0.72	130	P 2	TWD 31	AV1	+0.10	TEH	TEC					6		COLD	720UL
34	44	0.51	47	P 2	TWD 25	AV3	+0.02	TEH	TEC					5		COLD	720UL
35	35	0.38	70	P 2	TWD 21	AV3	+0.00	TEH	TEC					6		COLD	720UL
35	36	0.52	41	P 2	TWD 25	AV2	+0.00	TEH	TEC					5		COLD	720UL
		0.56	88	P 2	TWD 26	AV3	+0.02	TEH	TEC					5		COLD	720UL
35	49	0.51	43	P 2	TWD 24	AV4	+0.02	TEH	TEC					9		COLD	720UL
37	28	0.43	36	P 2	TWD 22	AV4	-0.14	TEH	TEC					5		COLD	720UL
38	61	0.39	125	P 2	TWD 20	AV2	+0.11	TEH	TEC					12		COLD	720UL
38	65	0.53	124	P 2	TWD 29	AV2	-0.07	TEH	TEC					11		COLD	720UL
		0.37	112	P 2	TWD 24	AV3	+0.25	TEH	TEC					11		COLD	720UL
		0.69	58	P 2	TWD 33	AV4	-0.07	TEH	TEC					11		COLD	720UL
38	71	0.60	138	P 2	TWD 28	AV3	+0.00	TEH	TEC					15		COLD	720UL
40	25	0.36	134	P 2	TWD 20	AV2	-0.11	TEH	TEC					4		COLD	720UL
40	55	0.43	123	P 2	TWD 23	AV3	-0.09	TEH	TEC					10		COLD	720UL

Total Tubes : 26  
 Total Records: 40

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**Attachment 3 (SG 3A)**

Framatome ANP Inc.  
Customer Name: Turkey Point - Unit 3

Component: S/G A

EOC19 40-100%,VOL,PIT,PTP Indications

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	LEG	PROBE
21	38						PTP	AV2	AV2					30		HOT	6801P

Total Tubes : 1  
Total Records: 1

**Attachment 3 (SG 3B)**

Framatome ANP Inc.  
Customer Name: Turkey Point - Unit 3

Component: S/G B

EOC19 40-100%,VOL,PIT,PTP Indications

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	LEG	PROBE
1	86						PTP	06H	06C					27		HOT	6801P
32	34						PTP	TEH	TEC					7		COLD	720UL

Total Tubes : 2  
Total Records: 2

**Attachment 3 (SG 3C)**

Framatome ANP Inc.  
Customer Name: Turkey Point - Unit 3

Component: S/G C

EOC19 40-100%,VOL,PIT,PTP Indications

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	LEG	PROBE
-----	-----	-------	-----	-----	-----	-----	----------	-----	-----	------	---	------	---	-----	---	-----	-------

Total Tubes : 0  
Total Records: 0

# **Examination Plan**

**TURKEY POINT  
UNIT 3**

**2003 REFUELING OUTAGE**

**SUMMARY OF IWE EXAMINATIONS**



**IWE RESULTS SUMMARY**

**2003 Refueling Outage**

**for**

**Turkey Point Nuclear Power Plant  
Unit No. 3**

**Prepared by:  
Nuclear Engineering  
Component, Support and Inspections Group  
Codes and Inspections Section  
Florida Power and Light Company  
P.O. Box 14000  
700 Universe Blvd  
Juno Beach, Florida 33408**

Prepared by: George T. Beatty

Date: 6-10-03

Reviewed by: Donna R. Robbins

Date: 6-10-03

Approved by: Glenn P. Alexander  
Supervisor-Codes and Inspections

Date: 6/10/03



**FPL**

**FLORIDA POWER & LIGHT**

**FPL NUCLEAR PLANTS [IWE] - UNIT 3**

**INSERVICE INSPECTION RESULTS SUMMARY**

**June 9, 2003**

**REVISION 3**

DATE: 06/09/03  
REVISION: 3

FPL NUCLEAR PLANTS [IWE] - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 1, PERIOD 2, OUTAGE 1 (03)  
CLASS M CPBEAR COMPONENTS

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METALLIC CONTAINMENT LINER

3-001

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	STATUS		DATA SHEET #	N O R E C	I N S P E C	G E O M	E M E R	REMARKS  **CALIBRATION BLOCK**
			EXAM METHOD							

346 TO 46 DEGREES AT 14' TO 39'6" (REF. DWG. NO. 5610-C-165)

400000	LINER PLATE LINER PLATE (GENERAL VISUAL)	E-A E1.11	C GEN.	4.7-001	X - - -	3/3/03 - GENERAL VISUAL COMPLETE
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400010	PENETRATION 40 EQUIPMENT HATCH (GENERAL VISUAL)	E-A E1.11	C GEN.	4.7-001	X - - -	3/3/03 - GENERAL VISUAL COMPLETE
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400140	PENETRATION 40 EQUIPMENT HATCH SEAL	E-D E5.20	C VT-3	4.7-012	X - - -	3/5/03 - VT-3 COMPLETE
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400150	MOISTURE BARRIER LINER PLATE TO FLOOR (MOISTURE BARRIER)	E-D E5.30	C VT-3	4.7-035	X - - -	3/14/03 - VT-3 COMPLETE
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DATE: 06/09/03  
REVISION: 3

FPL NUCLEAR PLANTS [IWE] - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 1, PERIOD 2, OUTAGE 1 (03)  
CLASS M CPBEAR COMPONENTS

PAGE: 2

METALLIC CONTAINMENT LINER

3-002

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	STATUS EXAM METHOD	DATA SHEET #	N I O O N G T R S E H E I O E C G M R				REMARKS **CALIBRATION BLOCK**

46 TO 106 DEGREES AT 14' TO 39'6" (REF. DWG. NO. 5610-C-165)

400190	CONTAINMENT LINER LINER PLATE-GENERAL VISUAL	E-A E1.11	C GEN.	4.7-002	X	-	-	-	3/3/03 - GENERAL VISUAL COMPLETE
--------	--	--------------	--------	---------	---	---	---	---	-------------------------------------

400280	MOISTURE BARRIER LINER PLATE TO FLOOR (MOISTURE BARRIER)	E-D E5.30	C VT-3	4.7-035	X	-	-	-	3/14/03 - VT-3 COMPLETE
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**METALLIC CONTAINMENT LINER**

**3-003**

3-003		ASME	STATUS		N O T O R S E R I O N C G M R				REMARKS
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI CATEGORY ITEM NO	EXAM METHOD	DATA SHEET #					**CALIBRATION BLOCK**
106 TO 166 DEGREES AT 14' TO 39'6" (REF. DWG. NO. 5610-C-165)									
400300	CONTAINMENT LINER LINER PLATE-GENERAL VISUAL	E-A E1.11	C GEN.	4.7-024	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
-----									
106 TO 166 DEGREES AT 14' TO 39'6" (REF. DWG. NO. 5610-C-167)									
400320	PENETRATION #1 RESID.HT.REMOVAL	E-A E1.11	C GEN.	4.7-024	X	-	-	-	3/7/03- GENERAL VISUAL COMPLETE
-----									
400330	PENETRATION #2 RESID.HT.REMOVAL	E-A E1.11	C GEN.	4.7-024	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
-----									
400340	PENETRATION #3 R/C COOLING IN	E-A E1.11	C GEN.	4.7-024	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
-----									
400350	PENETRATION #4 R/C COOLING OUT	E-A E1.11	C GEN.	4.7-024	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
-----									
400360	PENETRATION #5 PZR RELIEF TANK VENT	E-A E1.11	C GEN.	4.7-024	X	-	-	-	3/7/03- GENERAL VISUAL COMPLETE
-----									
400370	PENETRATION #6 PZR RELIEF TANK N2 SUPPLY	E-A E1.11	C GEN.	4.7-024	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE

DATE: 06/09/03  
REVISION: 3

FPL NUCLEAR PLANTS [IWE] - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 1, PERIOD 2, OUTAGE 1 (03)  
CLASS M CPBEAR COMPONENTS

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METALLIC CONTAINMENT LINER

3-003		ASME	STATUS	N I O				REMARKS
SUMMARY	EXAMINATION AREA	SEC. XI		R	S	G	T	
NUMBER	IDENTIFICATION	CATEGORY	EXAM	E	I	M	E	
		ITEM NO	METHOD	DATA SHEET #	C	G	R	**CALIBRATION BLOCK**
106 TO 166 DEGREES AT 14' TO 39'6" (REF. DWG. NO. 5610-C-167)								
400380	PENETRATION #7 PZR RELIEF TANK H20 DEMIN.	E-A E1.11	C GEN.	4.7-024	X	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400390	PENETRATION #8 PZR STEAM SPACE SAMP.	E-A E1.11	C GEN.	4.7-024	X	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400400	PENETRATION #9 PZR LIQUID SPACE SAMP.	E-A E1.11	C GEN.	4.7-024	X	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400410	PENETRATION #10 R/C DRAIN TANK VENT	E-A E1.11	C GEN.	4.7-024	X	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400430	PENETRATION #11 LOW HEAD SAFETY INJ.	E-A E1.11	C GEN.	4.7-024	X	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400440	PENETRATION #12 EXCESS LETDOWN HX IN	E-A E1.11	C GEN.	4.7-025	X	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400450	PENETRATION #13 EXCESS LETDOWN HX OUT	E-A E1.11	C GEN.	4.7-025	X	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400460	PENETRATION #14 LETDOWN TO NON REGEN HX	E-A E1.11	C GEN.	4.7-025	X	-	-	3/7/03 - GENERAL VISUAL COMPLETE

DATE: 06/09/03  
REVISION: 3

FPL NUCLEAR PLANTS [IWE] - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 1, PERIOD 2, OUTAGE 1 (03)  
CLASS M CPBEAR COMPONENTS

PAGE: 5

METALLIC CONTAINMENT LINER

3-003

3-003		ASME	STATUS		N O R E C I N S E I O M T E R				REMARKS
SUMMARY	EXAMINATION AREA	SEC. XI	EXAM						
NUMBER	IDENTIFICATION	CATEGORY	METHOD	DATA SHEET #					**CALIBRATION BLOCK**
		ITEM NO							
106 TO 166 DEGREES AT 14' TO 39'6" (REF. DWG. NO. 5610-C-167)									
400470	PENETRATION #15 CHARGING TO REGEN HX	E-A E1.11	C GEN.	4.7-025	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
-----									
400480	PENETRATION #16 SPARE	E-A E1.11	C GEN.	4.7-025	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
-----									
400490	PENETRATION #17 SAFETY INJ. TEST & PURGE	E-A E1.11	C GEN.	4.7-025	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
-----									
400500	PENETRATION #18 SAFETY INJECTION	E-A E1.11	C GEN.	4.7-025	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
-----									
400510	PENETRATION #19 ( 2) CONTAINMENT SPRAY	E-A E1.11	C GEN.	4.7-025	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
-----									
400520	PENETRATION #20 R/C HOTLEG SAMPLE	E-A E1.11	C GEN.	4.7-025	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
-----									
400530	PENETRATION #21 VENT COOLER CW LINE	E-A E1.11	C GEN.	4.7-025	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
-----									
400540	PENETRATION #22 VENT COOLER CW RETURN	E-A E1.11	C GEN.	4.7-025	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE

DATE: 06/09/03  
REVISION: 3

FPL NUCLEAR PLANTS [IWE] - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 1, PERIOD 2, OUTAGE 1 (03)  
CLASS M CPBEAR COMPONENTS

PAGE: 6

METALLIC CONTAINMENT LINER

3-003

3-003		ASME	STATUS		N O R E C I N S E I O M G E T				REMARKS
SUMMARY	EXAMINATION AREA	SEC. XI	EXAM						
NUMBER	IDENTIFICATION	CATEGORY	METHOD	DATA SHEET #					**CALIBRATION BLOCK**
		ITEM NO							
106 TO 166 DEGREES AT 14' TO 39'6" (REF. DWG. NO. 5610-C-167)									
400550	PENETRATION #23 CONT SUMP PUMP/HOLD UP E1.11	E-A E1.11	C GEN.	4.7-025	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400560	PENETRATION #24 (3) CHARGE PUMP DIS TO RC PUMP	E-A E1.11	C GEN.	4.7-026	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400570	PENETRATION #25 COOLANT PUMP DIS TO RC PUMP	E-A E1.11	C GEN.	4.7-026	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400580	PENETRATION #31 RC DRAIN TK E2 ANAL	E-A E1.11	C GEN.	4.7-026	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400590	PENETRATION #32 CONT AIR SAMPLE IN	E-A E1.11	C GEN.	4.7-026	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400600	PENETRATION #33 CONT AIR SAMPLE OUT	E-A E1.11	C GEN.	4.7-026	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400610	PENETRATION #37 PLUGGED W/CONCRETE	E-A E1.11	C GEN.	4.7-026	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400620	PENETRATION #43 R/C PUMP CW OUTLET	E-A E1.11	C GEN.	4.7-026	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE



DATE: 06/09/03  
 REVISION: 3

FPL NUCLEAR PLANTS [IWE] - UNIT 3  
 INSERVICE INSPECTION RESULTS SUMMARY  
 INTERVAL 1, PERIOD 2, OUTAGE 1 (03)  
 CLASS M CPBEAR COMPONENTS

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METALLIC CONTAINMENT LINER

3-003

3-003		ASME	STATUS		N O R E C I N S I O G E T H E I O E C G M R				REMARKS
SUMMARY	EXAMINATION AREA	SEC. XI	EXAM						
NUMBER	IDENTIFICATION	CATEGORY	METHOD	DATA SHEET #					**CALIBRATION BLOCK**
106 TO 166 DEGREES AT 14' TO 39'6" (REF. DWG. NO. 5610-C-167)									
400630	PENETRATION #44 (3) CW TO EMERG CONT COOLERS	E-A E1.11	C GEN.	4.7-026	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400640	PENETRATION #45 (3) CW FROM EMERG CONT COOLERS	E-A E1.11	C GEN.	4.7-026	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400650	PENETRATION #51 SPARE	E-A E1.11	C GEN.	4.7-026	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400660	PENETRATION #52 R/C DRAIN TANK DISCH.	E-A E1.11	C GEN.	NDE-4.7	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400670	PENETRATION #53 S/G SAMPLE	E-A E1.11	C GEN.	4.7-026	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400680	PENETRATION #55 ACCUM. SAMPLE LINE	E-A E1.11	C GEN.	4.7-027	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400690	PENETRATION #56 SPARE	E-A E1.11	C GEN.	4.7-027	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
400700	PENETRATION #57 SPARE	E-A E1.11	C GEN.	4.7-027	X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE

DATE: 06/09/03  
REVISION: 3

FPL NUCLEAR PLANTS [IWE] - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 1, PERIOD 2, OUTAGE 1 (03)  
CLASS M CPBEAR COMPONENTS

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METALLIC CONTAINMENT LINER

3-003

3-003		ASME		STATUS		N I O O N G T R S E H E I O E C G M R				REMARKS
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI CATEGORY ITEM NO	EXAM METHOD	DATA SHEET #						**CALIBRATION BLOCK**
106 TO 166 DEGREES AT 14' TO 39'6" (REF. DWG. NO. 5610-C-167)										
400710	PENETRATION #59 HIGH HEAD INJ. TO LOOP E1.11 B	E-A	C GEN.	4.7-027		X	-	-	-	3/3/03 - GENERAL VISUAL COMPLETE
-----										
400720	PENETRATION #60 HIGH HEAD INJ. TO LOOP E1.11 C	E-A	C GEN.	4.7-027		X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
-----										
400730	PENETRATION #61 TYPE PZR DEAD WEIGHT TESTER E1.11	E-A	C GEN.	4.7-027		X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
-----										
400740	PENETRATION #61 TYPE SPARE E1.11	E-A	C GEN.	4.7-027		X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
-----										
400750	PENETRATION #63 INSTR. AIR BLEED E1.11	E-A	C GEN.	4.7-027		X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
-----										
400760	PENETRATION #64 S/G SAMPLE E1.11	E-A	C GEN.	4.7-027		X	-	-	-	3/7/03 - GENERAL VISUAL COMPLETE
-----										
106 TO 166 DEGREES AT 14' TO 39'6" (REF. DWG. NO. 5610-C-165)										
401230	TOE PLATE 114 - 116 TOE PLATE VISIBLE SURFACES E4.11	E-C	C VT-1	4.7-003		X	-	-	-	3/3/03 - VT-1 COMPLETE

DATE: 06/09/03  
REVISION: 3

FPL NUCLEAR PLANTS [IWE] - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 1, PERIOD 2, OUTAGE 1 (02)  
CLASS M CPBEAR COMPONENTS

PAGE: 9

METALLIC CONTAINMENT LINER

3-003

3-003		ASME	STATUS		N	I	O		
SUMMARY	EXAMINATION AREA	SEC. XI	EXAM	METHOD	N	I	O	REMARKS	
		CATEGORY			O	N	G		T
		ITEM NO			E	S	E		H
NUMBER	IDENTIFICATION				R	E	I	O	E
					C	G	M	R	**CALIBRATION BLOCK**
106 TO 166 DEGREES AT 14' TO 39'6" (REF. DWG. NO. 5610-C-165)									
401240	TOE PLATE 114 - 116	E-C	C VOL.	5.18-002	X	-	-	-	3/5/03 - VOL EXAM COMPLETE
	TOE PLATE (MIN WALL THICKNESS LOC )	E4.12							PER CR 00-0491

\*\*CALIBRATION BLOCK\*\*

**3-004**

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	STATUS EXAM METHOD	DATA SHEET #	N O N G T R S E H E I O E C G M R	REMARKS  **CALIBRATION BLOCK**
166 TO 226 DEGREES AT 14' TO 39'6" (REF. DWG. NO. 5610-C-165)						
401260	LINER PLATE LINER PLATE (GENERAL VISUAL)	E-A E1.11	C GEN.	4.7-005	X - - -	3/3/03 - GENERAL VISUAL COMPLETE
-----						
166 TO 226 DEGREES AT 14' TO 39'6" (REF. DWG. NO. 5610-C-167)						
401290	PENETRATION 38A (28) ELECTRICAL PENETRATIONS	E-A E1.11	C GEN.	4.7-005	X - - -	3/3/03 - GENERAL VISUAL COMPLETE 3/3/03
-----						
401300	PENETRATION 48 (4) ELECTRICAL PEN. (RC PUMP)	E-A E1.11	C GEN.	4.7-005	X - - -	3/3/03 - GENERAL VISUAL COMPLETE
-----						
166 TO 226 DEGREES AT 14' TO 39'6" (REF. DWG. NO. 5610-C-168)						
401310	PENETRATION 46 (3) CONT. PRESSURE INSTR.	E-A E1.11	C GEN.	4.7-005	X - - -	3/3/03 - GENERAL VISUAL COMPLETE
-----						
166 TO 226 DEGREES AT 14' TO 39'6" (REF. DWG. NO. 5610-C-165)						
401390	TOE PLATE @ 186 TOE PLATE (MIN WALL THICKNESS LOC)	E-C E4.12	C VOL.	5.18-004	X - - -	3/13/03 - VOL EXAM PER CR 03-0556

**METALLIC CONTAINMENT LINER**

**3-005**

3-005		ASME	STATUS		N I O R S E T E I O H C G M R				REMARKS
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI CATEGORY ITEM NO	EXAM METHOD	DATA SHEET #					**CALIBRATION BLOCK**
226 TO 286 DEGREES AT 14' TO 39'6" (REF. DWG. NO. 5610-C-165)									
401410	LINER PLATE LINER PLATE (GENERAL VISUAL)	E-A E1.11	C GEN.	4.7-006	X	-	-	-	3/3/03 - GENERAL VISUAL COMPLETE
-----									
226 TO 286 DEGREES AT 14' TO 39'6" (REF. DWG. NO. 5610-C-167)									
401420	PENETRATION 38B (28) ELECTRICAL PENETRATIONS TYPEIII	E-A E1.11	C GEN.	4.7-006	X	-	-	-	3/3/03 - GENERAL VISUAL COMPLETE
-----									
226 TO 286 DEGREES AT 14' TO 39'6" (REF. DWG. NO. C-49-360 V)									
401430	PENETRATION 41 PERSONNEL AIRLOCK SPECIAL	E-A E1.11	C GEN.	4.7-006	X	-	-	-	3/3/03 - GENERAL VISUAL COMPLETE
-----									
401490	PENETRATION 41 PERSONNEL AIRLOCK SEALS SPECIAL	E-D E5.10	C VT-3	4.7-014	X	-	-	-	3/6/03 - VT-3 COMPLETE



**METALLIC CONTAINMENT LINER**

**3-007**

3-007		ASME	STATUS		N	I	O	
SUMMARY	EXAMINATION AREA	SEC. XI	EXAM	METHOD	N	N	G	T
		CATEGORY			R	E	H	
		ITEM NO			E	I	O	H
					C	G	M	R
NUMBER	IDENTIFICATION			DATA SHEET #				REMARKS
**CALIBRATION BLOCK**								
346 TO 46 DEGREES AT 39' 6" to 59' 6" (REF. DWG. NO. 5610-C-165)								
401660	LINER PLATE	E-A	C GEN.	4.7-008	X	-	-	3/5/03 - GENERAL VISUAL
	LINER PLATE (GENERAL VISUAL)	E1.11						COMPLETE

**METALLIC CONTAINMENT LINER**

**3-008**

SUMMARY		ASME	STATUS		N I O				REMARKS
NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI CATEGORY ITEM NO	EXAM METHOD	DATA SHEET #	R E C	N I C	G E M	T H E	
46 TO 106 DEGREES AT 39'6" TO 59'6" (REF. DWG. NO. 5610-C-165)									
401760	LINER PLATE LINER PLATE (GENERAL VISUAL)	E-A E1.11	C GEN.	4.7-013	X	-	-	-	3/5/03 - GENERAL VISUAL COMPLETE
46 TO 106 DEGREES AT 39'6" TO 59'6" (REF. DWG. NO. C-49-360 V)									
401780	PENETRATION 49 EMERGENCY ESCAPE HATCH	E-A E1.11	C GEN.	4.7-013	X	-	-	-	3/5/03 - GENERAL VISUAL COMPLETE
401850	PENETRATION 49 BOLTING ESCAPE HATCH DIFF.PRESS.GAUGE	E-G E8.10	C VT-1	4.7-015	X	-	-	-	3/6/03 - VT-1 COMPLETE
401852	PENETRATION 49 BOLTING ESCAPE HATCH DIFF.PRESS.VALVE	E-G E8.10	C VT-1	4.7-015	X	-	-	-	3/6/03 - VT-1 COMPLETE
401855	PENETRATION 49 BOLTING ESCAPE HATCH BOLTING	E-G E8.10	C VT-1	4.7-030	X	-	-	-	3/8/03 - VT-1 COMPLETE



DATE: 06/09/03  
REVISION: 3

FPL NUCLEAR PLANTS [IWE] - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 1, PERIOD 2, OUTAGE 1 (03)  
CLASS M CPBEAR COMPONENTS

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METALLIC CONTAINMENT LINER

3-009		ASME	STATUS		N I O				
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI	EXAM METHOD	DATA SHEET #	O	N	I	O	REMARKS  **CALIBRATION BLOCK**
		CATEGORY			R	S	G	T	
		ITEM NO			E	I	C	E	
					C	G	N	R	
106 TO 166 DEGREES AT 39'6" TO 59'6" (REF. DWG. NO. 5610-C-165)									
401860	LINER PLATE	E-A	C GEN.	4.7-023	X	-	-	-	3/7/03- GENERAL VISUAL
	LINER PLATE (GENERAL VISUAL)	E1.11							COMPLETE

DATE: 06/09/03  
REVISION: 3

FPL NUCLEAR PLANTS [IWE] - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 1, PERIOD 2, OUTAGE 1 (02)  
CLASS M CPBEAR COMPONENTS

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METALLIC CONTAINMENT LINER

3-010

3-010		ASME	STATUS		N	I	O	
		SEC. XI	EXAM METHOD		N	G	T	
SUMMARY	EXAMINATION AREA	CATEGORY			R	S	E	
NUMBER	IDENTIFICATION	ITEM NO			E	I	O	
					C	G	M	R
				DATA SHEET #				REMARKS
								**CALIBRATION BLOCK**
166 TO 226 DEGREES AT 39'6" TO 59'6" (REF. DWG. NO. 5610-C-165)								
401940	LINER PLATE	E-A	C GEN.	4.7-009	X	-	-	3/5/03 - GENERAL VISUAL
	LINER PLATE (GENERAL	E1.11						COMPLETE
	VISUAL)							AREA BEHIND
								SEAL TABLE IS INACCESSIBLE

166 TO 226 DEGREES AT 39'6" TO 59'6" (REF. DWG. NO. 5610-C-168)

401970	PENETRATION 62 (3) CONT. PRESSURE INST.	E-A E1.11	C GEN.	4.7-028	X	-	-	-	3/8/03 - GENERAL VISUAL COMPLETE  DISCOLORATION DUE TO LEAKAGE FROM ABOVE.
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**FPL NUCLEAR PLANTS [IWE] - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 1, PERIOD 2, OUTAGE 1 (03)  
CLASS M CPBEAR COMPONENTS**

**METALLIC CONTAINMENT LINER**

**3-011**

SUMMARY		ASME	STATUS		N I O O R S E T R S E H E I O E C G M R				REMARKS
NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI CATEGORY ITEM NO	EXAM METHOD	DATA SHEET #					**CALIBRATION BLOCK**
226 TO 286 DEGREES AT 39'6" TO 59'6" (REF. DWG. NO. 5610-C-165)									
402040	LINER PLATE LINER PLATE (GENERAL VISUAL)	E-A E1.11	C GEN.	4.7-010	X	-	-	-	3/5/03 - GENERAL VISUAL COMPLETE
-----									
402070	PENETRATION 48 (3) R/C PUMP POWER	E-A E1.11	C GEN.	4.7-010	X	-	-	-	3/5/03 - GENERAL VISUAL COMPLETE
-----									
226 TO 286 DEGREES AT 39'6" TO 59'6" (REF. DWG. NO. 5610-C-167)									
402080	PENETRATION 26 (2) MAIN STEAM	E-A E1.11	C GEN.	4.7-010	X	-	-	-	3/5/03 - GENERAL VISUAL COMPLETE



### METALLIC CONTAINMENT LINER

**3-013**

ASME

**STATUS**

N O R E C I N S I G O T H E R

REMARKS

**\*\*CALIBRATION BLOCK\*\***

**SUMMARY  
NUMBER**

**EXAMINATION AREA  
IDENTIFICATION**

[illegible]

## EXAM METHOD

**DATA SHEET #**

**346 TO 46 DEGREES AT 59'6" TO 125'10" (REF. DWG. NO. 5610-C-165)**

**402260**

**LINER PLATE**

**E-A**

**C GEN.**

**4.7-016**

**X - - -**

**3/6/03 - GENERAL VTUAL**

**LINER PLATE (GENERAL E1.11  
VISUAL)**

AREA ABOVE  
CRANE RAIL INACCESSIBLE FROM  
58' ELEV.

DATE: 06/09/03  
REVISION: 3

FPL NUCLEAR PLANTS [IWE] - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 1, PERIOD 2, OUTAGE 1 (03)  
CLASS M CPBEAR COMPONENTS

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METALLIC CONTAINMENT LINER

3-014

3-014		ASME	STATUS			N	I	O	
		SEC. XI				O	N	G	T
SUMMARY	EXAMINATION AREA	CATEGORY	EXAM			R	S	E	H
NUMBER	IDENTIFICATION	ITEM NO	METHOD	DATA SHEET #		E	I	O	E
						C	G	M	R
**CALIBRATION BLOCK**									
46 TO 106 DEGREES AT 59'6" TO 125'10" (REF. DWG. NO. 5610-C-165)									
402360	LINER PLATE	E-A	C GEN.	4.7-017		X	-	-	3/6/063 - GENERAL VISUAL
	LINER PLATE (GENERAL	E1.11							COMPLETE
	VISUAL)								AREA ABOVE
									CRANE RAIL INACCESSIBLE FROM
									58' ELEV.

DATE: 06/09/03  
REVISION: 3

FPL NUCLEAR PLANTS [TWE] - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 1, PERIOD 2, OUTAGE 1 (03)

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CLASS M CPBEAR COMPONENTS

METALLIC CONTAINMENT LINER

3-015

3-015		ASME		STATUS		O T E R	
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI	CATEGORY	E X A M	N I G O		REMARKS
		ITEM NO	METHOD	R S I C			
				DATA SHEET #		**CALIBRATION BLOCK**	

\*\*CALIBRATION BLOCK\*\*

106 TO 166 DEGREES AT 59'6" TO 125'10" (REF. DWG. NO. 5610-C-165)

402460	LINER PLATE	E-A	C GEN.	4.7-018	X	-	-	-	3/6/03 - GENERAL VISUAL COMPLETE
	LINER PLATE (GENERAL VISUAL)	E1.11							AREA ABOVE CRANE RAIL INACCESSIBLE FROM 58' ELEV.

DATE: 06/09/03  
REVISION: 3

FPL NUCLEAR PLANTS [IWE] - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 1, PERIOD 2, OUTAGE 1 (03)  
CLASS M CPBEAR COMPONENTS

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METALLIC CONTAINMENT LINER

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	STATUS EXAM METHOD	DATA SHEET #	N O R E C	I N S P E C	O N S I G N I F I C A N C E	REMARKS
166 TO 226 DEGREES AT 59'6" TO 125'10" (REF. DWG. NO. 5610-C-165)								
402600	LINER PLATE LINER PLATE (GENERAL VISUAL)	E-A E1.11	C GEN.	4.7-019	X	-	-	3/6/03 - GENERAL VISUAL COMPLETE 3/6/03 AREA ABOVE CRANE RAIL INACCESSIBLE FROM 58' ELEV.

166 TO 226 DEGREES AT 59'6" TO 125'10" (REF. DWG. NO. 5610-C-170)

402680	PENETRATION 35 CONTAINMENT PURGE	E-A E1.11	C GEN.	4.7-019	X	-	-	3/6/03 - GENERAL VISUAL COMPLETE
--------	-------------------------------------	--------------	--------	---------	---	---	---	-------------------------------------

402690	PENETRATION 36 CONTAINMENT PURGE	E-A E1.11	C GEN.	4.7-019	X	-	-	3/6/03 - GENERAL VISUAL COMPLETE
--------	-------------------------------------	--------------	--------	---------	---	---	---	-------------------------------------



DATE: 06/09/03  
REVISION: 3

FPL NUCLEAR PLANTS [IWE] - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 1, PERIOD 2, OUTAGE 1 (03)  
CLASS M CPBEAR COMPONENTS

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METALLIC CONTAINMENT LINER

3-017

3-017		ASME	STATUS		N	I	O	
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI	EXAM METHOD	DATA SHEET #	O	N	G	T
		CATEGORY			R	S	E	H
		ITEM NO			E	I	O	E
					C	G	M	R
					REMARKS			
					**CALIBRATION BLOCK**			
226 TO 286 DEGREES AT 59'6" TO 125'10" (REF. DWG. NO. 5610-C-165)								
402840	LINER PLATE	E-A	C GEN.	4.7-020	X	-	-	3/6/03 - GENNERAL VISUAL
	LINER PLATE (GENERAL VISUAL)	E1.11						COMPLETE
								AREA ABOVE
								CRANE RAIL INACCESSIBLE FROM
								58' ELEV.

DATE: 06/09/03  
REVISION: 3

FPL NUCLEAR PLANTS [IWE] - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 1, PERIOD 2, OUTAGE 1 (03)  
CLASS M CPBEAR COMPONENTS

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METALLIC CONTAINMENT LINER

3-018

3-018		ASME	STATUS			N	I	O	
SUMMARY	EXAMINATION AREA	SEC. XI	EXAM	DATA SHEET #		R	N	G	T
		CATEGORY				ETHOD	E	S	E
NUMBER	IDENTIFICATION	ITEM NO				C	I	O	
						G	M	R	REMARKS
**CALIBRATION BLOCK**									
286 TO 346 DEGREES AT 59'6" TO 125'10" (REF. DWG. NO. 5610-C-165)									
402940	LINER PLATE	E-A	C GEN.	4.7-021		X	-	-	3/6/03 - GENERAL VISUAL
	LINER PLATE (GENERAL	E1.11							COMPLETE
	VISUAL)								AREA ABOVE
									CRANE RAIL INACCESSIBLE FROM
									58' ELEV.

DATE: 06/09/03  
REVISION: 3

FPL NUCLEAR PLANTS [IWE] - UNIT 3  
INSERVICE INSPECTION RESULTS SUMMARY  
INTERVAL 1, PERIOD 2, OUTAGE 1 (03)  
CLASS M CPBEAR COMPONENTS

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METALLIC CONTAINMENT LINER

3-019

3-019		ASME	STATUS	N O I O				
SUMMARY	EXAMINATION AREA	SEC. XI	EXAM	DATA SHEET #	N O R E	I N S I	O N G E	REMARKS
		CATEGORY						
NUMBER	IDENTIFICATION	ITEM NO	METHOD					**CALIBRATION BLOCK**
0 TO 360 DEGREES 125'10" TO TOP OF DOME (REF. DWG. NO. 5610-C-165)								
403060	LINER PLATE	E-A	C GEN.	4.7-031	X	-	-	3/9/03 - GENERAL VISUAL
	DOME (GENERAL VISUAL)	E1.11						COMPLETE

\*\*CALIBRATION BLOCK\*\*

**TURKEY POINT  
UNIT 3**

**2003 REFUELING OUTAGE**

**SUMMARY OF SYSTEM PRESSURE TESTING**

**TURKEY POINT**  
**UNIT 3 CYCLE 20**  
**SYSTEM PRESSURE TESTING**  
**FINAL REPORT**

Owner: Florida Power and Light Company  
700 Universe Blvd.  
Juno Beach, Florida, 33408

Plant: Florida Power and Light Company  
Turkey Point Nuclear Power Plant Unit 3  
9760 SW 344<sup>th</sup>  
Florida City, Florida, 33035

Commercial Service Date: December 14, 1972

Cycle 20 Service Dates: October 28, 2001 to March 28, 2003

Prepared By: James Noble Date: 6/9/03

Reviewed By: [Signature] Date: 6/10/03

Approved By: E Jones Date: 6/10/03

## **Abstract**

This report details the pressure testing of selected class 1, 2 and 3 piping and components of the Florida Power and Light Company Turkey Point Unit 3 Cycle 20 which were performed during the Spring 2003 refueling outage. This outage occurred between the dates of March 1, 2003 and March 28, 2003 and covers the dates from October 28, 2001 to March 28, 2003. This pressure testing is being reported following the second outage of the third period for third ten year interval for Turkey Point Unit 3.

Piping and components were selected and tested in accordance with Section XI of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code "Rules for Inservice Inspection of Nuclear Power Components", 1989 Edition with no addenda with specific relief as granted under 10 CFR 50.55a.

## **Procedures**

The following Florida Power and Light (FPL) procedures and documents have been implemented to provide instructional guidance for the performance of the required ASME XI pressure testing and subsequent inspections.

0-ADM-523 ASME Section XI Pressure Tests for Quality Group A, B, C Systems/Components.

3-OSP-041.25 RCS Overpressure Leak Testing

3-OSP-045.1 ASME Section XI Quality Group A Bolting Examination\*

3-OSP-045.2 ASME Section XI Quality Group B Bolting Examination\*

3-OSP-045.3 ASME Section XI Quality Group C Bolting Examination\*

3-OSP-041.2 Reactor Coolant System Visual Leak Inspection and Leak Evaluation.

NDE-4.2 Visual Examination VT-2 Conducted During System Pressure Tests.

\*Relief Request No 18, Use of Code Case N-533 Authorized for Turkey Point Units 3 and 4 (TAC NOS. M98149 AND M98150).

**System Summary:**

The following safety related Class 1, 2, and 3 systems, or sections thereof were pressure tested in accordance with the requirements of the 1989 ASME Section XI Code.

<b>System Name</b>	<b>System Number</b>
Instrument Air	13
Intake Cooling Water	19
Component Cooling Water	30
Spent Fuel pool Cooling	33
Reactor Coolant	41
Chemical and Volume Control	47
Residual Heat Removal	50
Containment Building	51
Safety Injection	62
Containment Spray	68
Main Steam	72
Feedwater	74
Auxiliary Feedwater	75

## **Acronyms**

<b>ADM:</b>	<b>Administrative</b>
<b>ASME:</b>	<b>American Society of Mechanical Engineers</b>
<b>CSS:</b>	<b>Containment Spray System</b>
<b>CCW:</b>	<b>Component Cooling Water</b>
<b>CVCS:</b>	<b>Chemical Volume Control System</b>
<b>ECC:</b>	<b>Emergency Containment Cooler</b>
<b>FW:</b>	<b>Feedwater</b>
<b>HX:</b>	<b>Heat Exchanger</b>
<b>ICW:</b>	<b>Intake Cooling Water</b>
<b>NDE:</b>	<b>Non Destructive Examination</b>
<b>PWO:</b>	<b>Plant Work Order</b>
<b>PZR:</b>	<b>Pressurizer</b>
<b>RCP:</b>	<b>Reactor Coolant Pump</b>
<b>RHR:</b>	<b>Residual Heat Removal</b>
<b>RO:</b>	<b>Restricting Orifice</b>
<b>RV:</b>	<b>Relief Valve</b>
<b>RX:</b>	<b>Reactor</b>
<b>SFPC:</b>	<b>Spent Fuel Pool Cooling</b>
<b>SI:</b>	<b>Safety Injection</b>
<b>SG:</b>	<b>Steam Generator</b>
<b>XJ:</b>	<b>Expansion Joint</b>
<b>WO:</b>	<b>Work Order</b>



### **Test Package Development**

The specific pressure test boundaries were selected after review of the applicable plant Operating diagram/code boundary drawings. The piping systems were broken into sub systems. The sub-systems were selected based on Technical Specifications operability requirements, acceptable isolation points and availability of test connections and vent valves. The sub-systems were then assigned test package numbers, which could be tested in entirety, or based on availability could be broken down further into numerous tests within the specific sub-system.

The pressure test package numbers contain six (6) segments of information,

Sample:                   04-CCW-30110-I-01  
                              ^  ^      ^  ^  ^  ^  
                             1  2      3  4  5  6

1.                   Unit Number (00) common to both units 3 and 4. (03) Unit specific. (04) Unit specific.
2.                   System abbreviation
3.                   System number [First (2) digits].
4.                   Sub-system number [(2) or (3) digits].
5.                   Type of test (H) Hydrostatic, (P) Pneumatic, (L) Leakage, (F) Functional, (I) Inservice, (S) Static head.
6.                   Number of test performed within the specific sub-system.

## **PRESSURE TEST PERFORMED DURING CYCLE 20**

### **INSTRUMENT AIR SYSTEM 13**

**03-CB-5102-P-01** Test Date: 3/18/03

This test performed due to the modification of P-34 and Valve replacement 3-40-205 per WO#32015300-01 and 02

### **INTAKE COOLING WATER SYSTEM 19**

**03-ICW-19119-L-01** Test Date: 06/06/02

This test due to the replacement of 3B ICW Pump per WO#31009255-01, Valve 3-50-321 per WO#32008464-01, and XJ-3-1407 per WO#32008465-01. No leakage was observed during this test.

**03-ICW-19122-L-01** Test Date: 10/10/02

This test performed due to replacement of valve 3-50-367 per WO#31021701. No leakage was observed during this test.

### **COMPONENT COOLING WATER SYSTEM 30**

**03-CCW-30202-I-03** Test Date: 03/01/03

This test was performed to meet the 1989 Edition of ASME Section XI periodic pressure Test requirements. No leakage was noted during this test.

**03-CCW-30203-I-03** Test Date: 03/01/03

This test was performed to meet ASME Section XI 1989 Edition periodic pressure Test requirements. No leakage was observed during this functional test.

**03-CCW-30204-I-03** Test Date: 03/01/03

This test was performed to meet the 1989 Edition of ASME Section XI periodic pressure Test requirements. No leakage was noted during this test.

**03-CCW-30207-I-03** Test Date: 03/01/03

This test was performed to meet the 1989 Edition of ASME Section XI periodic pressure Test requirements. No leakage was noted during this test.

**03-CCW-30208-I-03** Test Date: 03/01/03

This test was performed to meet the 1989 Edition of ASME Section XI periodic pressure Test requirements. No leakage was noted during this test.

**03-CCW-30209-I-03** Test Date: 03/01/03

This test was performed to meet the 1989 Edition of ASME Section XI periodic pressure Test requirements. No leakage was noted during this test.

### **SPENT FUEL POOL COOLING SYSTEM 33**

**03-SFPC-3354-L-01** Test Date: 02/25/03

This test was performed due to the replacement of Bonnet on Valve 3-821 per WO#32009982. No leakage was observed during this test.

### **REACTOR COOLANT SYSTEM 41**

**03-RCS-4101-L-07** Test Date: 03/21/03

This test involved the leakage test of the Reactor Coolant System piping inside containment following the Unit 3 Cycle 20 Refueling Outage. This leakage test addressed the following replacements:

<b>Component</b>	<b>WO#</b>	<b>Description</b>
RV-3-551A	32003410-01	Remove, install spare
RV-3-551B	32003411-01	Remove, install spare
RV-3-551C	32003412-01	Remove, install spare
PCV-3-455B	29016850-01	Bonnet Replacement per PCM 98-008

No leakage was observed during this test.

### **CHEMICAL AND VOLUME CONTROL CHARGING AND LETDOWN SYSTEM 47**

**03-CVCS-4750-I-03** Test Date: 03/01/03

This Inservice test was performed to meet the ASME Section XI 1989 Edition periodic Pressure test requirements. No leakage was observed during this test.

**03-CVCS-4751-I-03** Test Date: 03/01/03

This Inservice test was performed to meet the ASME Section XI 1989 Edition periodic Pressure test requirements. No leakage was observed during this test.

**03-CVCS-4752-I-03** Test Date: 03/01/03

This Inservice test was performed to meet the ASME Section XI 1989 Edition periodic Pressure test requirements. No leakage was observed during this test.

### **RESIDUAL HEAT REMOVAL SYSTEM 50**

**03-RHR-5017-F-03** Test Date: 03/01/03

This Functional pressure test was performed to meet ASME Section XI 1989 Edition periodic pressure test requirements. No leakage was observed during this test.

**03-RHR-5014-F-03** Test Date: 03/01/03

This Functional pressure test was performed to meet ASME Section XI 1989 Edition periodic pressure test requirements. No leakage was observed during this test.

## **SAFETY INJECTION SYSTEM 62**

**03-SIS-6224-F-03** Test Date: 03/05/03

This test was performed to meet ASME Section XI 1989 Edition periodic pressure test requirements. No leakage was observed during this functional test.

**03-SIS-6236-F-03** Test Date: 03/05/03

This test was performed to meet ASME Section XI 1989 Edition periodic pressure Test requirements. No leakage was observed during this functional test.

**03-SIS-6402-F-03** Test Date: 03/01/03

This test was performed to meet ASME Section XI 1989 Edition periodic pressure Test requirements. No leakage was observed during this functional test.

**03-SI-6240-L-01** Test Date: 03/14/03

This test was performed due to the replacement of Valve 3-873C per WO#31005379-01. No leakage was observed during this test.

## **CONTAINMENT SPRAY SYSTEM (68)**

**03-CSS-6815-L-01** Test Date: 03/20/03

This test was performed due to the replacement of 3B Containment Spray Pump Casing per WO#33005095-02. No leakage was observed during this test.

## **MAIN STEAM SYSTEM 72**

**03-SG-7214-I-03** Test Date: 03/01/03

This Inservice test was performed to meet ASME Section XI 1989 Edition periodic pressure test requirements. No leakage observed during this test.

**03-SG-7215-I-03** Test Date: 03/01/03

This Inservice test was performed to meet ASME Section XI 1989 Edition periodic pressure test requirements. No leakage observed during this test.

**03-SG-7216-I-03** Test Date: 03/01/03

This Inservice test was performed to meet ASME Section XI 1989 Edition periodic pressure test requirements. No leakage observed during this test.

#### **FEEDWATER SYSTEM 74**

**03-FW-7436-L-01** Test Date: 03/27/03

This test performed due to replacement of valve 3-20-710 per WO#32000625-01. No leakage observed during this test.

#### **AUX FEEDWATER SYSTEM 75**

**03-AFW-7558-L-01** Test Date: 07/31/03

This test was performed due to the rerouting of pipe supply to ST-52 per CRN-M-10330 and WO#31012691.

**03-AFW-7559-L-01** Test Date: 05/30/02

This test was performed due to the replacement of "B" AFW Pump Casing per WO#31002665-01. No leakage was observed during this test.

**03-AFW-7560-L-01** Test Date: 05/29/02

This test was performed due to the addition of isolation valves 3-20-947 and 4-20-947 per PCM 01-029 and WO#31002665-05. No leakage was observed during this test.

**03-AFW-7561-L-01** Test Date: 09/06/02

This test was performed due to the replacement of degraded pipe on Train 2 per WO#32015112-01.

**03-AFW-7563-L-01** Test Date: 11/21/02

This test was performed due to the replacement of degraded pipe on Train 1 per WO#32017811-01. No leakage was observed during this test.

**03-AFW-7564-L-01** Test Date: 11/18/02

This test was performed due to the replacement of degraded pipe on Train 2 per WO#32018187-01

**03-AFW-7565-L-01** Test Date: 11/18/02

This test was performed due to the replacement of degraded pipe on Train 2 per WO# 32018187-08(FW-1 thru FW-6) and WO#32018187-01(FW-1 thru FW-4)

## **BOLTED JOINT EXAMINATIONS**

The bolted joint examinations were performed in accordance with 3-OSP-045.1, 3-OSP-045.2 and 3-OSP-045.3 for class 1, 2 and 3 bolted components. The class 1 inspection included all class 1 bolted components. The class 2 and 3 inspections consisted of all bolted joints outside the containment. The inspections identified 45 bolted connections that had evidence of leakage. They are listed below with the corresponding condition report number. All leakage was evaluated by engineering as required by ASME XI.

<b><u>Component</u></b>	<b><u>Condition Report Number</u></b>	<b><u>Code Class</u></b>
Prz Manway	CR 03-0491	1
PCV-3-455A	CR 03-0514	1
3-875A	CR 03-0431	1
327	CR 03-0244	2
332	CR 03-0244	2
334	CR 03-0244	2
338	CR 03-0244	2
379	CR 03-0244	2
A Boric Acid Tank*	CR 03-0244	2
C Boric Acid Tank*	CR 03-0244	2
CV-3-956A	CR 03-0358	2
3-267	CR 03-0259	2
3-268	CR 03-0259	2
3-270	CR 03-0259	2
3-295	CR 03-0259	2
FT-3-110*	CR 03-0259	2
FT-3-113*	CR 03-0259	2
LCV-3-115C	CR 03-0259	2
3P201A	CR 03-0259	2
3P201B	CR 03-0259	2
3T203 (VCT)	CR 03-0259	2
3-757A	CR 03-0316	2
3-757B	CR 03-0316	2
3-757C	CR 03-0316	2
3-757D	CR 03-0316	2
3-759A	CR 03-0359	2
3-759B	CR 03-0359	2
FCV-3-605	CR 03-0316	2
FE-3-605	CR 03-0316	2
HCV-3-758	CR 03-0316	2
3T1 (RFST)	CR 03-0271	2
3P215B	CR 03-0271	2
FE-3-940	CR 03-0271	2
MOV-3-843B	CR 03-0271	2
3-906A	CR 03-0270	2

**(Identified Leakage Continued)**

<b><u>Component</u></b>	<b><u>Condition Report Number</u></b>	<b><u>Code Class</u></b>
3P214A	CR 03-0270	2
3P214B	CR 03-0270	2
RO-3-3437	CR 03-0270	2
RO-3-3438	CR 03-0270	2
3-820	CR 03-0356	3
3E208	CR 03-0290	3
3P212B	CR 03-0290	3

\* Note: Locations include more than one bolted connection.

# PACKAGE DIVIDER