



JAN 24 2002
L-2002-025
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 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 IWL Examinations.
- Summary of System Pressure Testing.

Should there be any questions concerning this report, please contact Craig Mowrey at 305-246-6204.

Very truly yours,


J. P. McElwain
Vice President
Turkey Point Plant

CLM

Attachments

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

A047

**TURKEY POINT
UNIT 3**

2001 REFUELING OUTAGE

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

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

Page 1 of 7

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

8. **Examination Dates:** from 3/26/00 to 10/27/01
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:** September 21, 2001/Revision 2.
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 and 2 components and piping systems of Florida Power and Light's (FPL) Turkey Point Unit 3 were performed during the 2001 Refueling Outage. This outage began on 9/29/01 and ended 10/27/01. This was the first outage of the third period of the third ten-year interval.

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

FPL personnel supported by Westinghouse, Zetec, Duke Engineering and NDE Technology personnel conducted Eddy Current examinations on Steam Generators A, B, and C from 10/9/2001 through 10/13/2001. Fourteen tubes were plugged during this outage. See the attached NIS-BB report for the summary of examination results.

The Feedwater Nozzle piping augmented examinations were conducted on all three Steam Generators. The entire area from the nozzle ramp to a point one-pipe diameter out on the far side of the elbow was examined with ultrasonics. No reportable indications were noted.

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

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

attached report: *Summary of Visual Examinations and Functional Testing of Snubbers* for examination scope and results.

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 Request number 9, 11, 12, and 16 and implemented through applicable procedures. See the attached report: *Summary of System Pressure Testing* for test boundaries and results.

No scheduled IWE examinations were required this outage. Preservice examinations were performed in areas of coating repairs to the containment metallic liner.

IWL examinations were conducted in accordance with "The Concrete Containment Inservice Inspection Program for Turkey Point Unit 3 & 4". This program was written in accordance with ASME Section XI 1992 Edition, 1992 Addenda as modified by Relief Request number 20 and 22. It is subject to the limitations and modifications of 10 CFR 50.55a(b)(2), 10 CFR 50.55a(g)(4), and 10 CFR 50.55a(g)(6). The requirements for the first inspection period as required by 10 CFR 50.55a (g)(6)(ii)(B)(2) have been met as applicable to IWL, Program B of ASME Section XI. Precision Surveillance Corporation (PSC) supplied examination and testing services. See the attached report: *Turkey Point Nuclear Plant – Unit 3 & 4, 30th Year Containment Tendon Surveillance* for examination scope and results.

14. Abstract of Results of Examinations and Tests.

Class 1

Reactor Pressure Vessel

Reactor Pressure Vessel's accessible interior surface and head mating surface were examined by the visual method. No reportable indications were identified.

The threaded areas of 2 RPV Closure Head nuts (#3 and #45) were damaged. 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 Pump A

100% of the studs were examined with the ultrasonic method. No reportable indications were identified.

Chemical and Volume Control

Chemical and Volume Control piping supports were examined with the visual method. No reportable indications were identified.

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National Board Number for Unit: N/A

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.

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 and a VT-2 visual examination was performed during the system leakage test to look for evidence of leakage. No reportable indications were identified.

Reactor Coolant Piping

Reactor Coolant piping weld was examined with the volumetric method. No reportable indications were identified.

Class 2

Steam Generator A

An augmented examination was performed on the Secondary side for debris and damage. No reportable indications were identified.

Safety Injection Piping

Safety Injection piping welds and supports were examined with the surface, ultrasonic and visual methods. One support was found to have a heavy corrosion on load pins and spherical bearings (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.

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National Board Number for Unit: N/A

Main Feedwater Piping

A Main Feedwater piping weld and support was examined with the visual and ultrasonic methods. One support was found to have paint on upper and lower spherical bearings and the spherical bearings are frozen in-place (Refer to section 15, "Abstract of Corrective Measures"). No additional 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.

Auxiliary Feedwater Piping

An Auxiliary feedwater piping support was examined with the visual method. No 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 50% corrosion of the nut on the base plate and 1 ¼" of support beam corroded at the bottom corner (Refer to section 15, "Abstract of Corrective Measures"). No additional reportable indications were identified.

Containment Spray Piping

A Containment Spray piping support was examined with the visual method. No reportable indications were identified.

IWE Examinations

Pre-service examinations were performed by the visual method on several areas of the containment building metallic liner (Refer to CR No. 00-0608 and PM00-03-156). No reportable indications were identified.

IWL Examinations

Visual examinations were performed on the tendons and associated components, containment concrete and reinforcement steel. Tendon 34V15 was found to have 11% water content with a second verification sample showing 16% in the grease, tendon 13H01 was found to have free water of .5 oz and tendon 13H03 was found to have free water of 3 drops. Also, location D2 showed evidence of spalling and exposed rebar, location D11, D14 and D23 showed evidence of exposed rebar, location D22 has evidence of a grease leak at junction of ceiling and wall

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and location D24 has a void measuring .2" x 4". Both locations D22 and D24 are inaccessible due to safety concerns (Refer to section 15, "Abstract of Corrective Measures").

15. Abstract of Corrective Measures

Reactor Pressure Vessel Closure Head nuts 3-CH-N-3 and 3-CH-N-45 showed evidence of damaged threads. Engineering disposition required replacement of the nuts. Refer to CR No. 01-1964.

Safety Injection piping support (3-PRWH-5) was found to have a heavy corrosion on load pins and spherical bearings. Engineering disposition requires rust and corrosion to be removed and all components lubricated. Refer to CR No. 01-1680.

Main Feedwater piping support (7883-H-013-11) was found to have a corrosion and paint on the spherical bearings. Engineering disposition found corrosion to be superficial in nature and attributed by the existing environment. The condition does not affect the structural integrity of the support and the strut continues to perform its intended function. There are no operability concerns and support is acceptable. Refer to CR No. 01-1934.

Component Cooling piping support (Strainer A) was found to have 50% corrosion of the nut on the base plate and 1 1/4" of support beam was corroded at the bottom corner. Engineering disposition requires support to be redesigned. The lower 18" is to be metallized and remaining support to be coated with approved coating. There are no operability concerns and support is acceptable for continued service until modification. Refer to CR No. 01-1481 sup. 1.

Tendon 34V15 exceeded the 10% by weight for water/grease content. Engineering disposition requires the tendon to be detensioned for corrosion evaluation, grease changed and the tendon refilled with new grease. Refer to CR No. 01-0801 sup. 1 and 4.

Tendons 13H01 and 13H03 showed evidence of free water. Engineering disposition required a grease sample to be sent for analysis. The sample resulted in less than 10% of water by weight. Final disposition required new grease caps to be installed regrease tendons at the Buttress #1 end. Refer to CR No. 01-1434 sup. 1.

Locations D2, D11, D14 and D23 show evidence of exposed rebar and spalling. Engineering disposition requires a repair to the grout over the exposed rebar and spalled areas deeper than 1/4". In addition, location D22 and D23 evaluation showed the evidence of grease (D22) and gap (D23) to be acceptable. Refer to CR No. 01-1326 & 1684.

A total of 14 tubes (SG 3A -1, SG 3B - 11, SG 3C - 2) were plugged in this inspection of the three steam generators. Of the 14 tubes, 12 tubes were identified with mechanical type wear at the broached tube supports. One tube was plugged due to a support wear indication in

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Steam Generator 3B that exceeded the technical specification plug limit of 40%, based on Plus Point technique. The remaining 11 tubes were depth sized at <40% and were preventively plugged. Two more tubes were preventively plugged in steam generator 3B: one due to mechanical wear at an anti-vibration bar in the u-bend region, and one that did not permit inspection of the u-bend region due to restriction.

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: 01/09/02 Signed: [Signature] By MF MORAN

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 Factory Mutual Insurance Company of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 3/26/2000 to 10/27/2001, 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]
Inspector's Signature

NB 7245 FL 328
National Board, State,
Province, and Endorsements

Date: 01-10-2002

**TURKEY POINT
UNIT 3**

2001 REFUELING OUTAGE

**FORM NIS-2 OWNER'S REPORTS
FOR REPAIRS OR REPLACEMENTS**

Abstract

The attached NIS-2 reports detail the repair/replacement of Class 1, 2 and 3 piping and components for Florida Power and Light Company, Turkey Point Unit 3. These repairs or replacements were performed prior to and during the Fall 2001 refueling outage, between the dates of August 24, 2000 and October 27, 2001.

Piping and components were inspected/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, No Addenda.

NIS-2 LOG

Report No.	Date
00-024-3	8/24/00
00-025-3	10/5/00
01-001-3	2/13/01
01-002-3	3/16/01
01-003-3	4/19/01
01-004-3	7/18/01
01-005-3	3/13/01
01-006-3	6/29/01
01-007-3	9/17/01
01-008-3	10/4/01
01-009-3	10/9/01
01-010-3	10/6/01
01-011-3	10/10/01
01-012-3	10/6/01
01-013-3	10/9/01
01-014-3	10/14/01
01-015-3	10/13/01
01-016-3	10/8/01
01-017-3	10/12/01
01-018-3	10/15/01
01-019-3	10/9/01
01-020-3	10/14/01
01-021-3	10/6/01
01-022-3	10/16/01
01-023-3	10/10/01
01-024-3	10/6/01

NIS 2 Log (cont.)

Report No.	Date
01-025-3	10/14/01
01-026-3	10/14/01
01-027-3	10/17/01
01-028-3	8/8/01
02-001-3	8/29/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

Owner Florida Power & Light
Name
700 Universe Blvd. Juno Beach, FL 33408
Address

2. Plant Turkey Point Plant
Name
9760 SW 344 Street Florida City, FL 33035
Address

3. Work Performed by Florida Power & Light
Name
9760 SW 344 Street Florida City, FL 33035
Address

4. Identification of System: Intake Cooling Water System #: 19 Quality Group C

5. (a) Applicable Construction Code B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Edition, N/A Addenda, N/A Code Case

Date 8/24/00

Sheet 1 of 2

Unit 3

WO#: 30009854 01 CR#: N/A

Repair Organization, P.O. No, Job No., etc.

Type Code Symbol Stamp N/A

Authorization Number N/A

Expiration Date N/A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
NUTS (8), C.S., ASTM A-563 GR A, HEAVY HEX	N/A	N/A	N/A	STK CODE 27923 1 UTC 430136	UNK	REPLACEMENT	N
BOLT (8), HEAVY HEX HEAD, ASTM A-307 GR B, C.S.	N/A	N/A	N/A	STK CODE 27886 1 UTC 432499	UNK	REPLACEMENT	N

7. Description of Work:

REPLACED (8) NUTS AND (8) BOLTS FOR FLANGE TO RO-3-6691.

8. Tests Conducted: Hydrostatic: N/A Pneumatic N/A Nominal Operating Pressure N/A
Other N/A Pressure N/A psig Test Temperature N/A deg F

FORM NIS-2 (Back)

9. Remarks **BOLTED CONNECTION, NO WELDING REQUIRED.**

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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

Signed *[Signature]* SE MGR Date 10/8/00
Owner or Owner's Designee, Title

CR

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 Factory Mutual Insurance Company of Johnston, Rhode Island, have inspected the components described in this Owners Report during the period of 6/8/00 to 8/24/00 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

Date 10/9/00

Commissions NB 7245 FL 328
National Board, State, Providence, and Endorsements

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

Owner Florida Power & Light
Name
700 Universe Blvd. Juno Beach, FL 33408
Address

Date 10/5/00

Sheet 1 of 2

2. Plant Turkey Point Plant
Name
9760 SW 344 Street Florida City, FL 33035
Address

Unit 3

WO#: 30009194 01 CR#: N/A

Repair Organization, P.O. No, Job No., etc.

3. Work Performed by Florida Power & Light
Name
9760 SW 344 Street Florida City, FL 33035
Address

Type Code Symbol Stamp N/A

Authorization Number N/A

Expiration Date N/A

4. Identification of System: Component Cooling Water System #: 30 Quality Group C

5. (a) Applicable Construction Code B31.1 1955 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
NUT (23) ASTM A-194 GR 7	N/A	N/A	N/A	STK CODE 27837 1 UTC 431033	UNK	REPLACEMENT	N
ROD, THREADED (16) STUDS FABRICATED ASME SA-193 GR B7	N/A	N/A	N/A	STK CODE 29493 1 UTC 431734	UNK	REPLACEMENT	N

7. Description of Work:

REPLACE DEGRADED CHANNEL HEAD STUDS AND NUTS

8. Tests Conducted: Hydrostatic: N/A Pneumatic N/A Nominal Operating Pressure N/A

Other N/A Pressure N/A psig Test Temperature N/A deg F

FORM NIS-2 (Back)

9. Remarks ALL WELDING PERFORMED IN ACCORDANCE WITH THE FPL WELD CONTROL MANUAL.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A

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

Signed *Eddie Bielbauer* SE NGR Date 10/7/00
Owner or Owner's Designee, Title

CTA

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 Factory Mutual Insurance Company of Johnston, Rhode Island, have inspected the components described in this Owners Report during the period of 5/15/00 to 10/5/00 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

Date 10/9/00

Commissions NB 7245 FL 328
National Board, State, Providence, and Endorsements

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

Owner Florida Power & Light
Name
700 Universe Blvd. Juno Beach, FL 33408
Address

2. Plant Turkey Point Plant
Name
9760 SW 344 Street Florida City, FL 33035
Address

3. Work Performed by Florida Power & Light
Name
9760 SW 344 Street Florida City, FL 33035
Address

Date 2/13/01

Sheet 1 of 2

Unit 3
WO#: 30017558 CR#: NA
Repair Organization, P.O. No, Job No., etc.

Type Code Symbol Stamp N/A
Authorization Number N/A
Expiration Date N/A

4. Identification of System: Component Cooling Water System #: 30 Quality Group C

5. (a) Applicable Construction Code B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
(6) Nuts ASTM A-194 GR 7 Heavy Hex Size 3/4"-10 UNC-2B	NA	NA	NA	SC 0027837 1 UTC 431033	UNK	Replacement	N
Threaded Rod ASME SA-193 GR B7 Size 3/4"-10UNC-2A (Cut 3 Studs 8 3/4" long)	NA	NA	NA	SC 0029493 1 UTC 427551	UNK	Replacement	N

7. Description of Work:

Replace 3 studs and 6 nuts on south door of 3E207A (3A CCW)

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure NA
Other NA Pressure NA psig Test Temperature NA deg F

FORM NIS-2 (Back)

9. Remarks BOLTED CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A

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

Signed *Emily T. [Signature]* SE MAR. Date 2/22/01
Owner or Owner's Designee, Title

CMA

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 Factory Mutual Insurance Company of Johnston, Rhode Island, have inspected the components described in this Owners Report during the period of 12/5/00 to 2/13/01 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

Commissions NB7245 FL 328 I
National Board, State, Providence, and Endorsements

Date FEB 22, 2001

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

1. Owner
Florida Power & Light
 Name
700 Universe Blvd. Juno Beach, FL 33408
 Address
Turkey Point Plant
 Name
9760 SW 344 Street Florida City, FL 33035
 Address

2. Plant
Florida Power & Light
 Name
9760 SW 344 Street Florida City, FL 33035
 Address

3. Work Performed by
Florida Power & Light
 Name
9760 SW 344 Street Florida City, FL 33035
 Address

Date 3/16/2001

Sheet 1 of 2

Unit 3

WO#: 31001519 CR#: 01-0649

Repair Organization, P.O. No, Job No., etc.

Type Code Symbol Stamp N/A

Authorization Number N/A

Expiration Date N/A

4. Identification of System: Intake Cooling Water System #: 19 Quality Group C

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
Pump	Johnston Pump Co	NA	NA	SC 0011053 1 IST #1	NA	Replacement	N
Check Valve 24" ASTM B-148 ALLOY 954, Alum Bronze ANSI Class 150	Atwood & Morrill	NA	NA	SC 0052545 1 UTC 000436655	NA	Replacement	N
90 Elbow, 24" Class 150 Cast Iron	NA	NA	NA	SC 0223148 1 UTC 000420269	NA	Replacement	N
Expansion Joint	Garlock	NA	NA	SC 0014195 1 UTC 000433031	NA	Replacement	N
20 Studs/40 Nuts, (Check Valve to Elbow), 1 1/8"-8 UN-2A 19" ASTM A193 B7	NA	NA	NA	SC 0044563 1 UTC 000437106	NA	Replacement	N

7. Description of Work:

Replace pump, check valve, elbow, expansion joint, bolting at elbow horizontal joint, bolting for check valve to elbow, and bolting for discharge elbow to flange at deck. Note: Pressure test # 03-ICW-19115-L-01. Discharge Elbow to flange at deck bolting replaced with (20) Studs from threaded rod, ASTM A193 GR B7, 1 1/4"-8UN-2A, SC 0029507 1, UTC 435419 and (40) new Nuts Heavy Hex ASTM A-194 GR 7 1 1/4"-8UN-2B, SC 0027861 1, UTC 437162. Pump removed; IST #7, pump installed; IST #1, check valve removed; 2-11330-01, check valve installed; 3-50286-A

Tests Conducted: Hydrostatic: NA Pneumatic: NA Nominal Operating Pressure X

Other: VT-2 Pressure 15 psig Test Temperature 82 deg F

FORM NIS-2 (Back)

9. Remarks BOLTED CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A

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

Signed *Andy Trishonko* SE MGR Date 5/8/01
Owner or Owner's Designee, Title

CA

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 Factory Mutual Insurance Company of Johnston, Rhode Island, have inspected the components described in this Owners Report during the period of 1/19/2001 to 3/16/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

Commissions FL 328
National Board, State, Providence, and Endorsements

Date 5/8/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Florida Power & Light
Name
700 Universe Blvd. Juno Beach, FL 33408
Address

Date 4/19/2001

Sheet 1 of 2

Unit 3

WO#: 31004759 CR#: NA

Repair Organization, P.O. No, Job No., etc.

2. Plant Turkey Point Plant
Name
9760 SW 344 Street Florida City, FL 33035
Address

Type Code Symbol Stamp N/A

Authorization Number N/A

Expiration Date N/A

3. Work Performed by Florida Power & Light
Name
9760 SW 344 Street Florida City, FL 33035
Address

4. Identification of System: Component Cooling Water System #: 30 Quality Group C

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
All thread - ASTM A-193 Gr 7 3/4"-10 UNC-2A (cut 16 studs)	NA	NA	NA	SC 0029493-1 UTC 396053	UNK	Replacement	NO
Nuts (16) - ASTM A-194 Gr 7 3/4"-10 UNC-2B	NA	NA	NA	SC 0027837-1 UTC 431033	UNK	Replacement	NO
N/A							
N/A							
N/A							

7. Description of Work:

Conco clean Hx and replace 16 studs and 16 nuts on inlet door.

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure NA
Other NA Pressure NA psig Test Temperature NA deg F

FORM NIS-2 (Back)

9. Remarks BOLTED CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A

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

Signed

[Signature]
Owner or Owner's Designee, Title

Date

8/1/01

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 Factory Mutual Insurance Company of Johnston, Rhode Island, have inspected the components described in this Owners Report during the period of 2/12/2001 to 4/19/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

Date

8/1/01

Commissions NB 7245 FL 328
National Board, State, Providence, and Endorsements

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner

Florida Power & Light
Name
700 Universe Blvd. Juno Beach, FL 33408
Address

Date 7/18/2001

Sheet 1 of 2

2. Plant

Turkey Point Plant
Name
9760 SW 344 Street Florida City, FL 33035
Address

Unit 3

WO#: 31011895 CR#: 00-1973

Repair Organization, P.O. No, Job No., etc.

3. Work Performed by

Florida Power & Light
Name
9760 SW 344 Street Florida City, FL 33035
Address

Type Code Symbol Stamp N/A

Authorization Number N/A

Expiration Date N/A

4. Identification of System:

Residual Heat Removal System #: 50 Quality Group B

5. (a) Applicable Construction Code

B31.1

19 55 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements

19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
3 shims made from plate. ASTM A240 Type 316 SS	NA	NA	NA	SC 0030303 UTC 403999	UNK	Repair	N
NA							
NA							
NA							
NA							

7. Description of Work:

Weld shims under base plate to reduce vibration.

8. Tests Conducted:

Hydrostatic: NA

Pneumatic NA

Nominal Operating Pressure NA

Other NA

Pressure NA psig

Test Temperature NA deg F

FORM NIS-2 (Back)

9. Remarks ALL WELDING PERFORMED IN ACCORDANCE WITH THE FPL WELD CONTROL MANUAL.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this repair conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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

Signed _____

Date 8/1/01

Owner or Owner's Designee, Title

CPK

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 Factory Mutual Insurance Company of Johnston, Rhode Island. have inspected the components described in this Owners Report during the period of 6/7/2001 to 7/18/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

W. Jones
Inspector's Signature

Commissions NB7245 PL328
National Board, State, Providence, and Endorsements

Date 8/8/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

Owner Florida Power & Light Date 3/13/2001
Name
700 Universe Blvd. Juno Beach, FL 33408 Sheet 1 of 2
Address
Turkey Point Plant Unit 3
Name WO#: 31004758 CR#: NA
9760 SW 344 Street Florida City, FL 33035 Repair Organization, P.O. No, Job No., etc.
Address
 3. Work Performed by Florida Power & Light Type Code Symbol Stamp N/A
Name Authorization Number N/A
9760 SW 344 Street Florida City, FL 33035 Expiration Date N/A
Address
 4. Identification of System: Component Cooling Water System #: 30 Quality Group C
 5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
All thread. ASME SA-193 GR B7 3/4"-10UNC-2A, (16)	NA	NA	NA	SC 0029493-1 UTC 416044	UNK	Replacement	N
NA							
NA							
NA							
NA							

7. Description of Work:

Clean Hx and replaced 16 studs on outlet door.

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure NA
 Other NA Pressure NA psig Test Temperature NA deg F

FORM NIS-2 (Back)

Remarks BOLTED CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A

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

☒ Signed *Judy Lichko* SE MGR Date 10/31/01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state of Florida and employed by Factory Mutual Insurance Company of Johnston, Rhode Island. have inspected the components described in this Owners Report during the period of 2/12/2001 to 3/13/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

Commissions NB245 FL 328
National Board, State, Providence, and Endorsements

Date 10/31/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

Owner Florida Power & Light Date 6/29/2001
700 Universe Blvd. Juno Beach, FL 33408
 Address

2. Plant Turkey Point Plant Unit 3
9760 SW 344 Street Florida City, FL 33035
 Address

3. Work Performed by Florida Power & Light Type Code Symbol Stamp N/A
9760 SW 344 Street Florida City, FL 33035 Authorization Number N/A
 Address Expiration Date N/A

4. Identification of System: Component Cooling Water System #: 30 Quality Group C

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
Cap screw, Heavy Hex ASME SA-193 GR B7 3/4"-10 UNC-2A X 3 3/4"	NA	NA	NA	SC 27122 1 UTC 434866	UNK	Replacement	N
NA							
NA							
NA							
NA							

7. Description of Work:

Clean dirty tubes and replace 1 cap screw on inlet door.

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure NA
 Other NA Pressure NA psig Test Temperature NA deg F

FORM NIS-2 (Back)

marks

BOLTED CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp

N/A

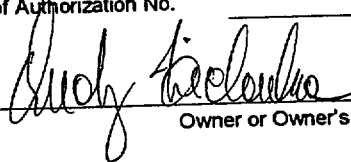
Certificate of Authorization No.

N/A

Expiration Date:

N/A

Signed



Owner or Owner's Designee, Title

SE UGR

Date

10/31/01

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 Factory Mutual Insurance Company of Johnston, Rhode Island, have inspected the components described in this Owners Report during the period of 5/31/2001 to 6/29/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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


 Inspector's Signature

 Commissions NB 7245 FL 328
 National Board, State, Providence, and Endorsements

Date

10/31/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

Owner Florida Power & Light
Name
700 Universe Blvd. Juno Beach, FL 33408
Address

Date 9/17/2001

Sheet 1 of 2

2. Plant Turkey Point Plant
Name
9760 SW 344 Street Florida City, FL 33035
Address

Unit 3

WO#: 29013288 CR#: NA

Repair Organization, P.O. No, Job No., etc.

3. Work Performed by Florida Power & Light
Name
9760 SW 344 Street Florida City, FL 33035
Address

Type Code Symbol Stamp N/A

Authorization Number N/A

Expiration Date N/A

4. Identification of System: Main Feedwater System #: 74 Quality Group B

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case

19 89 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
Existing Valve Body (A216 WCB) to A36 bar stock (existing)	NA	NA	NA	Existing	NA	Replaced	N
NA							
NA							
NA							
NA							

7. Description of Work:

Overhaul valve IAW 0-CMM-074.1 and reweld cage lock in valve body (A216 WCB) with existing A36 bar stock.

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure NA

Other NA Pressure NA psig Test Temperature NA deg F

FORM NIS-2 (Back)

marks ALL WELDING PERFORMED IN ACCORDANCE WITH THE FPL WELD CONTROL MANUAL

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replaced component conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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

Signed Rudy Bielak SE UGR Date 10/31/01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state of Florida and employed by Factory Mutual Insurance Company of Johnston, Rhode Island. have inspected the components described in this Owners Report during the period of 7/21/1999 to 9/17/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

Commissions NB 7245 PL 328
National Board, State, Providence, and Endorsements

Date 10/31/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Florida Power & Light Date 10/4/2001
Name
700 Universe Blvd. Juno Beach, FL 33408
Address

2. Plant Turkey Point Plant Unit 3
Name
9760 SW 344 Street Florida City, FL 33035
Address
 WO#: 31004305 CR#: 01-0240
Repair Organization, P.O. No, Job No., etc.

3. Work Performed by Florida Power & Light Type Code Symbol Stamp N/A
Name
9760 SW 344 Street Florida City, FL 33035
Address
 Authorization Number N/A
 Expiration Date N/A

4. Identification of System: Auxiliary Feedwater System #: 75 Quality Group C

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
(8) Studs from all thread, ASTM A-193, Gr B7, 1 1/8" -7 UNC-2A	NA	NA	NA	SC 0029503 1 UTC 439187	UNK	Replacement	N
(16) Nuts, Heavy Hex, 1 1/8"-7 UNC	NA	NA	NA	SC 0220689 1 UTC 439186	UNK	Replacement	N
NA							
NA							
NA							

7. Description of Work:

Replaced gasket, bolting and retorqued flange.

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure NA
 Other NA Pressure NA psig Test Temperature NA deg F

FORM NIS-2 (Back)

9. Remarks

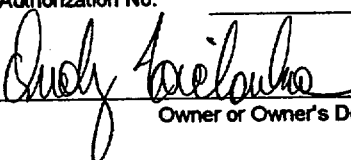
BOLTED CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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


 Signed _____ SE MGR _____ Date 10/31/01
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state of Florida and employed by Factory Mutual Insurance Company of Johnston, Rhode Island. have inspected the components described in this Owners Report during the period of 4/4/2001 to 10/4/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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


 Inspector's Signature

Commissions NB7245 FL 328
 National Board, State, Providence, and Endorsements

Date 12-11-2001

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

Owner Florida Power & Light Date 10/9/2001
700 Universe Blvd. Juno Beach, FL 33408 Sheet 1 of 2
Turkey Point Plant Unit 3
9760 SW 344 Street Florida City, FL 33035 WO#: 31011192 CR#: NA
Florida Power & Light Type Code Symbol Stamp N/A
9760 SW 344 Street Florida City, FL 33035 Authorization Number N/A
9760 SW 344 Street Florida City, FL 33035 Expiration Date N/A
Intake Cooling Water System #: 19 Quality Group C
B31.1 19 55 Edition, N/A Addenda, N/A Code Case
19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
Nut, Heavy Hex, SA-194 Gr 7 1-1/4"-7UNC-2B	NA	NA	NA	SC 0027984 1 UTC 424615	UNK	Replacement	N
NA							
NA							
NA							
NA							

7. Description of Work:

Performed crawl thru and replaced one nut on elbow.

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure NA
Other NA Pressure NA psig Test Temperature NA deg F

FORM NIS-2 (Back)

9. Remarks BOLTED CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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

CSigned *[Signature]* *SE MGIR* Date *10/31/01*
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state of Florida and employed by Factory Mutual Insurance Company of Johnston, Rhode Island, have inspected the components described in this Owners Report during the period of 5/17/2001 to 10/9/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

Commissions *NB 7245 FL 328*
National Board, State, Providence, and Endorsements

Date *10/31/01*

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Florida Power & Light Date 10/6/2001
Name
700 Universe Blvd. Juno Beach, FL 33408
Address

2. Plant Turkey Point Plant Unit 3
Name
9760 SW 344 Street Florida City, FL 33035
Address
 WO#: 31010304 CR#: 01-1862
Repair Organization, P.O. No, Job No., etc.

3. Work Performed by Florida Power & Light Type Code Symbol Stamp N/A
Name
9760 SW 344 Street Florida City, FL 33035
Address
 Authorization Number N/A
 Expiration Date N/A

4. Identification of System: Steam Generators System #: 71 Quality Group A

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
(1) Cap screw, Heavy Hex 3/4"-10UNC-2A, ASME SA-193 GR B7	NA	NA	NA	SC 0015172 1 UTC 410893	UNK	Replacement	N
NA							
NA							
NA							
NA							

7. Description of Work:

Replace bolt #3 on "A" S/G Handhole.

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure NA
 Other NA Pressure NA psig Test Temperature NA deg F

FORM NIS-2 (Back)

Remarks BOLTED CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A

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

Signed *Dudy Wieland* SE MGR Date 10/31/01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state of Florida and employed by Factory Mutual Insurance Company of Johnston, Rhode Island, have inspected the components described in this Owners Report during the period of 4/3/2001 to 10/6/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

W. John
Inspector's Signature

Commissions NB 7245 FL 328
National Board, State, Providence, and Endorsements

Date 10/31/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

Owner Florida Power & Light Date 10/10/2001
700 Universe Blvd. Juno Beach, FL 33408 Sheet 1 of 2
Turkey Point Plant Unit 3
9760 SW 344 Street Florida City, FL 33035 WO#: 31018705 CR#: 01-1927
Florida Power & Light Type Code Symbol Stamp N/A
9760 SW 344 Street Florida City, FL 33035 Authorization Number N/A
Expiration Date N/A

2. Plant

3. Work Performed by

4. Identification of System: Main Feedwater System #: 74 Quality Group B

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
Weld build up on elbow, Weld Code 420607 & 395610	NA	NA	NA	NA	UNK	Repair	N
NA							
NA							
NA							
NA							

7. Description of Work:

Weld build up elbow on "A" S/G per CR 01-1927 due to wall thinning found during FAC inspection.

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure NA
Other PT Pressure NA psig Test Temperature NA deg F

FORM NIS-2 (Back)

marks ALL WELDING PERFORMED IN ACCORDANCE WITH THE FPL WELD CONTROL MANUAL

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this repair conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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

CSF Signed *Gregory Wieland* SE NGR Date 10/31/01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state of Florida and employed by Factory Mutual Insurance Company of Johnston, Rhode Island. have inspected the components described in this Owners Report during the period of 10/9/2001 to 10/10/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

Gregory Wieland
Inspector's Signature

Commissions NB 7245 FL 328
National Board, State, Providence, and Endorsements

Date 10/31/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Florida Power & Light Date 10/6/2001
700 Universe Blvd. Juno Beach, FL 33408 Sheet 1 of 2
Address

2. Plant Turkey Point Plant Unit 3
9760 SW 344 Street Florida City, FL 33035 WO#: 31006250 CR#: NA
Address Repair Organization, P.O. No, Job No., etc.

3. Work Performed by Florida Power & Light Type Code Symbol Stamp N/A
9760 SW 344 Street Florida City, FL 33035 Authorization Number N/A
Address Expiration Date N/A

4. Identification of System: Supports and Hangers System #: 105 Quality Group A

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
Snubber 3-1094 PSA-3	PSA	4388	NA	NA NA	UNK	Replaced	N
Snubber 3-1094 PSA-3	PSA	17424	NA	NA NA	UNK	Replacement	N
Snubber 3-1060 PSA-3	PSA	19329	NA	NA NA	UNK	Replaced	N
Snubber 3-1060 PSA-3	PSA	19728	NA	NA NA	UNK	Replacement	N
NA							

7. Description of Work:

Replace snubbers at locations 3-1094 & 3-1060 and replace with rebuilt snubbers.

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure NA
 Other VT-3 Pressure NA psig Test Temperature NA deg F

FORM NIS-2 (Back)

Remarks

MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date:

N/A

Signed



SE MGIC

Date

10/31/01

Owner or Owner's Designee, Title

OK

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 Factory Mutual Insurance Company of Johnston, Rhode Island, have inspected the components described in this Owners Report during the period of 3/5/2001 to 10/6/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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



Inspector's Signature

Commissions

NB37245 FL328

National Board, State, Providence, and Endorsements

Date

10/31/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Florida Power & Light Date 10/9/2001
Name
700 Universe Blvd. Juno Beach, FL 33408 Sheet 1 of 2
Address

2. Plant Turkey Point Plant Unit 3
Name WO#: 31009576 CR#: 01-1964
9760 SW 344 Street Florida City, FL 33035
Address Repair Organization, P.O. No, Job No., etc.

3. Work Performed by Florida Power & Light Type Code Symbol Stamp N/A
Name Authorization Number N/A
9760 SW 344 Street Florida City, FL 33035 Expiration Date N/A
Address

4. Identification of System: Reactor Vessel System #: 43 Quality Group A

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
Nut, Rx Vessel Closure #3 & #45	NA	NA	NA	SC 0015160 1 UTC 329212	UNK	Replacement	N
NA							
NA							
NA							
NA							

7. Description of Work:

Replace nuts on Reactor Vessel Head, Studs # 3 & 45.

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure NA
Other MT Pressure NA psig Test Temperature NA deg F

FORM NIS-2 (Back)

marks

BOLTED CONNECTION, NO WELDING REQUIRED.


CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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

Signed

 SE MGR
Owner or Owner's Designee, Title

Date 10/31/01

ck

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 Factory Mutual Insurance Company of Johnston, Rhode Island. have inspected the components described in this Owners Report during the period of 10/8/2001 to 10/9/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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



Inspector's Signature

Commissions NB 7245 FL 328
National Board, State, Providence, and Endorsements

Date

10/31/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

Owner Florida Power & Light Date 10/14/2001
700 Universe Blvd. Juno Beach, FL 33408 Sheet 1 of 2
Turkey Point Plant Unit 3
9760 SW 344 Street Florida City, FL 33035 WO#: 30005270 CR#: 00-542
Florida Power & Light Type Code Symbol Stamp N/A
9760 SW 344 Street Florida City, FL 33035 Authorization Number N/A
Repair Organization, P.O. No, Job No., etc. Expiration Date N/A

2. Plant

3. Work Performed by

4. Identification of System: Main Feedwater System #: 74 Quality Group B

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
(10) Nuts, Carbon Steel, ASME SA-194 GR 2H 1 1/2"-8	NA	NA	NA	SC 0027989 1 UTC 407694	UNK	Replacement	N
(10) Studs, Carbon Steel, ASTM A-193 GR B7, 1 1/2"-8 UN-2A x 10" long	NA	NA	NA	SC 0028045 1 UTC 407914	UNK	Replacement	N
NA							
NA							
NA							

7. Description of Work:

Overhauled valve IAW 0-PMM-074.10, replaced 10 body to bonnet studs and 10 nuts.

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure NA
 Other NA Pressure NA psig Test Temperature NA deg F

FORM NIS-2 (Back)

marks

BOLTED CONNECTION, NO WELDING REQUIRED.

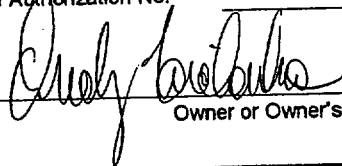
CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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

Signed



Owner or Owner's Designee, Title

Date


10/31/01

CFC

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 Factory Mutual Insurance Company of Johnston, Rhode Island, have inspected the components described in this Owners Report during the period of 5/7/2001 to 10/14/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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


Inspector's Signature

Commissions NB 7245 PL 328
National Board, State, Providence, and Endorsements

Date

10/31/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

Owner Florida Power & Light Date 10/13/2001
Name
700 Universe Blvd. Juno Beach, FL 33408
Address

2. Plant Turkey Point Plant Unit 3
Name WO#: 31006883 CR#: NA
9760 SW 344 Street Florida City, FL 33035
Address Repair Organization, P.O. No, Job No., etc.

3. Work Performed by Florida Power & Light Type Code Symbol Stamp N/A
Name Authorization Number N/A
9760 SW 344 Street Florida City, FL 33035 Expiration Date N/A
Address

4. Identification of System: Main Feedwater System #: 74 Quality Group B

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
(6) Nuts, Carbon Steel, ASME SA-194 GR 2H, Class 2B Heavy Hex, 1 1/2"-8	NA	NA	NA	SC 0027989 1 UTC 407694	UNK	Replacement	N
(6) Studs, Carbon Steel, ASTM A-193 GR B7, 1 1/2"-8 UN-2A X 10" long	NA	NA	NA	SC 0028045 1 UTC 407914	UNK	Replacement	N
NA							
NA							
NA							

7. Description of Work:

Overhaul Valve and replace 6 Bonnet Studs and 6 Bonnet nuts.

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure NA
 Other NA Pressure NA psig Test Temperature NA deg F

FORM NIS-2 (Back)

9. Remarks

BOLTED CONNECTION, NO WELDING REQUIRED.

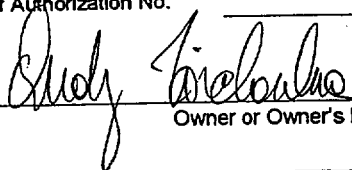
CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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

Signed



SE MAR

Date

10/31/01

Owner or Owner's Designee, Title

Ckr

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 Factory Mutual Insurance Company of Johnston, Rhode Island. have inspected the components described in this Owners Report during the period of 3/14/2001 to 10/13/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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



Inspector's Signature

Commissions NB 7245 FL 328
National Board, State, Providence, and Endorsements

Date

10/31/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

Owner Florida Power & Light
Name
700 Universe Blvd. Juno Beach, FL 33408
Address

Date 10/8/2001

Sheet 1 of 2

2. Plant Turkey Point Plant
Name
9760 SW 344 Street Florida City, FL 33035
Address

Unit 3

WO#: 31006907 CR#: NA

Repair Organization, P.O. No, Job No., etc.

3. Work Performed by Florida Power & Light
Name
9760 SW 344 Street Florida City, FL 33035
Address

Type Code Symbol Stamp N/A

Authorization Number N/A

Expiration Date N/A

4. Identification of System: Main Feedwater System #: 74 Quality Group B

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
(2) Nuts, ASME SA-194 GR 2H Heavy Hex 1 1/2"	NA	NA	NA	SC 0027989 1 UTC 407694	UNK	Replacement	N
1 Stud, ASTM A-193 GR B7 1 1/2"-8 UN-2A X 10" long	NA	NA	NA	SC 0028045 1 UTC 407914	UNK	Replacement	N
NA							
NA							
NA							

7. Description of Work:

Overhaul Valve IAW 0-PMM-074.10 and replace 1 Bonnet Stud and 2 Nuts.

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure NA
Other NA Pressure NA psig Test Temperature NA deg F

FORM NIS-2 (Back)

Remarks

BOLTED CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp

N/A

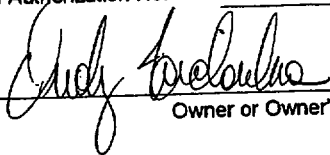
Certificate of Authorization No.

N/A

Expiration Date:

N/A

Signed



SE MGR

Date

10/31/01

Owner or Owner's Designee, Title

OK

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 Factory Mutual Insurance Company of Johnston, Rhode Island, have inspected the components described in this Owners Report during the period of 3/14/2001 to 10/8/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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



Inspector's Signature

Commissions

NB 7245 FL 328

National Board, State, Providence, and Endorsements

Date

10/31/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Florida Power & Light
Name
700 Universe Blvd. Juno Beach, FL 33408
Address

Date 10/12/2001

Sheet 1 of 2

2. Plant Turkey Point Plant
Name
9760 SW 344 Street Florida City, FL 33035
Address

Unit 3

WO#: 30017075 CR#: NA

Repair Organization, P.O. No, Job No., etc.

3. Work Performed by Florida Power & Light
Name
9760 SW 344 Street Florida City, FL 33035
Address

Type Code Symbol Stamp N/A

Authorization Number N/A

Expiration Date N/A

4. Identification of System: Containment Airlocks / Hatches System #: 51 Quality Group B

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case

19 89 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
2" Ball Valve, Class 150, A105 (S/N 001823)	NA	NA	NA	SC 0015851 2 UTC 428480	UNK	Replacement	N
2" Ball Valve, Class 150, A150 (S/N BM 78796)	NA	NA	NA	NA NA	UNK	Replaced	N
NA							
NA							
NA							

7. Description of Work:

Replaced Valve with new and tested IAW 3-OSP-051.3. Component tag 3-S8B

8. Tests Conducted: Hydrostatic: NA Pneumatic X Nominal Operating Pressure NA

Other VT-2 Pressure 50 psig Test Temperature NA deg F

FORM NIS-2 (Back)

Remarks BOLTED CONNECTION; NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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

Signed *Shady L. L. L.* SE MGR Date 10/31/01
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state of Florida and employed by Factory Mutual Insurance Company of Johnston, Rhode Island. have inspected the components described in this Owners Report during the period of 4/30/2001 to 10/12/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

W. J. Jones
 Inspector's Signature

Commissions NB 7245 FL 328
 National Board, State, Providence, and Endorsements

Date 10/31/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

Owner Florida Power & Light Date 10/15/2001
Name
700 Universe Blvd. Juno Beach, FL 33408
Address

2. Plant Turkey Point Plant Unit 3
Name WO#: 31001408 CR#: NA
9760 SW 344 Street Florida City, FL 33035
Address Repair Organization, P.O. No, Job No., etc.

3. Work Performed by Florida Power & Light Type Code Symbol Stamp N/A
Name Authorization Number N/A
9760 SW 344 Street Florida City, FL 33035 Expiration Date N/A
Address

4. Identification of System: Containment Airlocks / Hatches System #: 51 Quality Group MC

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
Heavy Hex Bolt, 1"-8 UNC X 6", ASME SA-320	NA	NA	NA	SC 0015135 1 UTC 412893	UNK	Replacement	NA
NA							
NA							
NA							
NA							

7. Description of Work:

Open & Close Equipment Hatch. Replace one bolt at the 12:00 position. 3S10

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure NA
 Other NA Pressure NA psig Test Temperature NA deg F

FORM NIS-2 (Back)

Remarks BOLTED CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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

Signed *Judy Finkelstein* SE UGR Date 10/31/01
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state of Florida and employed by Factory Mutual Insurance Company of Johnston, Rhode Island. have inspected the components described in this Owners Report during the period of 1/18/2001 to 10/15/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

Commissions NB7245 FL 328
 National Board, State, Providence, and Endorsements

Date 10/31/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

Owner Florida Power & Light Date 10/9/2001
700 Universe Blvd. Juno Beach, FL 33408 Sheet 1 of 2
Turkey Point Plant Unit 3
9760 SW 344 Street Florida City, FL 33035 WO#: 31018364 CR#: NA
Address Repair Organization, P.O. No, Job No., etc.
 2. Plant
 3. Work Performed by Florida Power & Light Type Code Symbol Stamp N/A
9760 SW 344 Street Florida City, FL 33035 Authorization Number N/A
Address Expiration Date N/A
 4. Identification of System: Main Feedwater System #: 74 Quality Group B
 5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
Existing Valve Body A216 WCB, A-36 Bar stock	NA	NA	NA	SC 0029733 1 UTC 374104	UNK	Replacement	N
NA							
NA							
NA							
NA							

7. Description of Work:

Overhaul Valve IAW 0-CMM-074.1. Weld locking tab inside body per weld traveler & procedure. FCV-3-499

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure NA
 Other NA Pressure NA psig Test Temperature NA deg F

FORM NIS-2 (Back)

marks

ALL WELDING PERFORMED IN ACCORDANCE WITH THE FPL WELD CONTROL MANUAL.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A

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

Signed *Judy Bielak* *SE UGR* Date *10/31/01*
Owner or Owner's Designee, Title

C/A

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 Factory Mutual Insurance Company of Johnston, Rhode Island. have inspected the components described in this Owners Report during the period of 10/2/2001 to 10/9/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

Ugron
Inspector's Signature

Commissions *NB 7245 FL 328*
National Board, State, Providence, and Endorsements

Date *10/31/01*

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

Owner Florida Power & Light Date 10/14/2001
700 Universe Blvd. Juno Beach, FL 33408 Sheet 1 of 2
Turkey Point Plant Unit 3
9760 SW 344 Street Florida City, FL 33035 WO#: 31018856 CR#: 01-1958
Address Repair Organization, P.O. No, Job No., etc.
 3. Work Performed by Florida Power & Light Type Code Symbol Stamp N/A
9760 SW 344 Street Florida City, FL 33035 Authorization Number N/A
Address Expiration Date N/A
 4. Identification of System: Main Feedwater System #: 74 Quality Group B
 5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
A36 plate welded to existing valve body A216 WCB	NA	NA	NA	Existing Existing	UNK	Replacement	N
NA							
NA							
NA							
NA							

7. Description of Work:

Overhaul Valve IAW CR 01-1958 and reweld locking tab to inside valve body. FCV-3-479

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure NA
 Other NA Pressure NA psig Test Temperature NA deg F

FORM NIS-2 (Back)

marks ALL WELDING PERFORMED IN ACCORDANCE WITH THE FPL WELD CONTROL MANUAL

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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

Signed _____

Owner or Owner's Designee, Title

Date 10/31/01

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 Factory Mutual Insurance Company of Johnston, Rhode Island. have inspected the components described in this Owners Report during the period of 10/12/2001 to 10/14/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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



Inspector's Signature

Commissions NB7245 FL 328
National Board, State, Providence, and Endorsements

Date 10/31/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Florida Power & Light Date 10/6/2001
700 Universe Blvd. Juno Beach, FL 33408 Sheet 1 of 2
Address

2. Plant Turkey Point Plant Unit 3
9760 SW 344 Street Florida City, FL 33035 WO#: 31006258 CR#: 00-2212
Address Repair Organization, P.O. No, Job No., etc.

3. Work Performed by Florida Power & Light Type Code Symbol Stamp N/A
9760 SW 344 Street Florida City, FL 33035 Authorization Number N/A
Address Expiration Date N/A

4. Identification of System: Component Cooling Water System #: 30 Quality Group C

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
Relief Valve, 3"x4" Nozzle type set at 200 psig	Crosby	NA	NA	SC 0238242 1 UTC 438040	UNK	Replacement	N
NA							
NA							
NA							
NA							

7. Description of Work:

Remove old RV (S/N N0N60956-2) and install new RV (S/N N69956-02-0003)

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure X
Other VT-2 Pressure 110 psig Test Temperature 83 deg F

FORM NIS-2 (Back)

marks BOLTED CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A

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

Signed *Judy [Signature]* SE UGR Date 10/31/01
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state of Florida and employed by Factory Mutual Insurance Company of Johnston, Rhode Island, have inspected the components described in this Owners Report during the period of 5/3/2001 to 10/6/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

Commissions NB 7245 FL 328
National Board, State, Providence, and Endorsements

Date 10/31/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

Owner Florida Power & Light Date 10/16/2001
Name
700 Universe Blvd. Juno Beach, FL 33408 Sheet 1 of 2
Address
 2. Plant Turkey Point Plant Unit 3
Name WO#: 31019052 CR#:
9760 SW 344 Street Florida City, FL 33035 Repair Organization, P.O. No, Job No., etc.
Address
 3. Work Performed by Florida Power & Light Type Code Symbol Stamp N/A
Name Authorization Number N/A
9760 SW 344 Street Florida City, FL 33035 Expiration Date N/A
Address
 4. Identification of System: Main Feedwater System #: 74 Quality Group B
 5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
Existing Valve Body A216 WCB, to A36 Bar Stock	NA	NA	NA	SC 0029733 1 UTC 374104	UNK	Replacement	N
NA							
NA							
NA							
NA							

7. Description of Work:

Overhaul valve IAW 0-CMM-074.1 and weld in new cage lock. FCV-3-489

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure NA
 Other NA Pressure NA psig Test Temperature NA deg F

FORM NIS-2 (Back)

marks ALL WELDING PERFORMED IN ACCORDANCE WITH THE FPL WELD CONTROL MANUAL

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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

Signed

Dudley T. L. L. L.

SE MGR

Date 10/31/01

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state of Florida and employed by Factory Mutual Insurance Company of Johnston, Rhode Island. have inspected the components described in this Owners Report during the period of 10/15/2001 to 10/16/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

W. J. Jones

Inspector's Signature

Commissions NB7245 FL 328
National Board, State, Providence, and Endorsements

Date 10/31/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

Owner Florida Power & Light
Name
700 Universe Blvd. Juno Beach, FL 33408
Address

Date 10/10/2001

Sheet 1 of 2

2. Plant Turkey Point Plant
Name
9760 SW 344 Street Florida City, FL 33035
Address

Unit 3

WO#: 29016849 CR#: NA

Repair Organization, P.O. No, Job No., etc.

3. Work Performed by Florida Power & Light
Name
9760 SW 344 Street Florida City, FL 33035
Address

Type Code Symbol Stamp N/A

Authorization Number N/A

Expiration Date N/A

4. Identification of System: Reactor Coolant System #: 41 Quality Group A

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
Valve Bonnet, P/N 364074	NA	NA	NA	SC 0223705 1 UTC 434564	UNK	Replacement	N
NA							
NA							
NA							
NA							

7. Description of Work:

Remove bonnet extension and replace with new bonnet. PCV-3-455A.

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure X

Other VT-2 Pressure 2280 psig Test Temperature 547 deg F

FORM NIS-2 (Back)

marks BOLTED CONNECTION; NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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

Signed *Andy Pickelha* SE MGR Date 10/31/01
Owner or Owner's Designee, Title

CPD

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 Factory Mutual Insurance Company of Johnston, Rhode Island. have inspected the components described in this Owners Report during the period of 11/3/1999 to 10/10/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

WJ
Inspector's Signature

Commissions NB7245 FL328
National Board, State, Providence, and Endorsements

Date 10/31/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

Owner Florida Power & Light
Name
700 Universe Blvd. Juno Beach, FL 33408
Address

Date 10/6/2001

Sheet 1 of 2

2. Plant Turkey Point Plant
Name
9760 SW 344 Street Florida City, FL 33035
Address

Unit 3

WO#: 31006045 CR#: NA

Repair Organization, P.O. No, Job No., etc.

3. Work Performed by Florida Power & Light
Name
9760 SW 344 Street Florida City, FL 33035
Address

Type Code Symbol Stamp N/A

Authorization Number N/A

Expiration Date N/A

4. Identification of System: CVCS Charging and Letdown System #: 47 Quality Group B

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case

19 89 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
2" ASME SA-312/SA-376 type 304 SS Sch 10	NA	NA	NA	SC 0030803 1 UTC 427260	UNK	Replacement	N
2" Piston Check Valve SA-182 F316 Stainless Steel	NA	NA	NA	SC 0052484 1 UTC 437969	UNK	Replacement	N
NA							
NA							
NA							

7. Description of Work:

Cut out old valve and weld in new check valve. New valve S/N 026042061652601. Comp tag # 3-305

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure X
Other VT-2 & PT Pressure 2280 psig Test Temperature 547 deg F

FORM NIS-2 (Back)

ALL WELDING PERFORMED IN ACCORDANCE WITH THE FPL WELD CONTROL MANUAL.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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

Signed _____

Owner or Owner's Designee, Title

Date 10/31/01

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 Factory Mutual Insurance Company of Johnston, Rhode Island. have inspected the components described in this Owners Report during the period of 4/19/2001 to 10/6/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

h. J. Gamm
Inspector's Signature

Commissions NB7245 R328
National Board, State, Providence, and Endorsements

Date 10/31/01

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Florida Power & Light Date 10/14/2001
700 Universe Blvd. Juno Beach, FL 33408 Sheet 1 of 2
Turkey Point Plant Unit 3
9760 SW 344 Street Florida City, FL 33035 WO#: 31004432 CR#: NA
9760 SW 344 Street Florida City, FL 33035 Repair Organization, P.O. No, Job No., etc.
Type Code Symbol Stamp N/A
Authorization Number N/A
Expiration Date N/A

3. Work Performed by Florida Power & Light
9760 SW 344 Street Florida City, FL 33035

4. Identification of System: Reactor Coolant System #: 41 Quality Group A

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
Safety Relief Valve, S/N H51249-1362	Crosby Valve & Gage	NA	NA	SC 0176171 1 UTC 436845	UNK	Replacement	N
NA							
NA							
NA							
NA							

7. Description of Work:

Remove valve (S/N 69877-01-0009) and install spare valve (S/N H51249-1362). RV-3-551A

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure X
Other VT-2 Pressure 2280 psig Test Temperature 547 deg F

FORM NIS-2 (Back)

9. Remarks

BOLTED CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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

Signed *Andy Trichon* SE NGR Date 10/31/01
Owner or Owner's Designee, Title

CPA

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 Factory Mutual Insurance Company of Johnston, Rhode Island, have inspected the components described in this Owners Report during the period of 2/6/2001 to 10/14/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

WJ
Inspector's Signature

Commissions NB 7045 FL 328
National Board, State, Providence, and Endorsements

Date 12/11/2001

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner Florida Power & Light Date 10/14/2001
Name
700 Universe Blvd. Juno Beach, FL 33408
Address

2. Plant Turkey Point Plant Unit 3
Name
9760 SW 344 Street Florida City, FL 33035
Address
 WO#: 31004433 CR#: NA
Repair Organization, P.O. No, Job No., etc.

3. Work Performed by Florida Power & Light Type Code Symbol Stamp N/A
Name
9760 SW 344 Street Florida City, FL 33035
Address
 Authorization Number N/A
 Expiration Date N/A

4. Identification of System: Reactor Coolant System #: 41 Quality Group A

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
Safety Relief Valve, S/N N 69877-00-0005	Crosby	NA	NA	SC 0176172 1 UTC 436842	UNK	Replacement	N
NA							
NA							
NA							
NA							

7. Description of Work:

Remove valve (S/N H 51249-1580) and install spare valve (S/N N69877-00-0005). RV-3-551 B

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure X
 Other VT-2 Pressure 2280 psig Test Temperature 547 deg F

FORM NIS-2 (Back)

9. Remarks

BOLTED CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A

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

Signed *Randy Diebach* SE UGR Date 10/31/01
Owner or Owner's Designee, Title

OK

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 Factory Mutual Insurance Company of Johnston, Rhode Island. have inspected the components described in this Owners Report during the period of 2/6/2001 to 10/14/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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WJ
Inspector's Signature

Commissions NB 7245 FL 328
National Board, State, Providence, and Endorsements

Date 12/11/2001

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

Owner Florida Power & Light Date 10/17/2001
Name
700 Universe Blvd. Juno Beach, FL 33408
Address

2. Plant Turkey Point Plant Unit 3
Name
9760 SW 344 Street Florida City, FL 33035
Address
 WO#: 31004434 CR#: NA
Repair Organization, P.O. No, Job No., etc.

3. Work Performed by Florida Power & Light Type Code Symbol Stamp N/A
Name
9760 SW 344 Street Florida City, FL 33035
Address
 Authorization Number N/A
 Expiration Date N/A

4. Identification of System: Reactor Coolant System #: 41 Quality Group A

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
Safety Relief valve, S/N H51249-1361	Crosby Valve & Gage	NA	NA	SC 0176172 1 UTC 436856	UNK	Replacement	N
NA							
NA							
NA							
NA							

7. Description of Work:

Remove valve (S/N 69877-01-0008) and install spare valve (S/N H-51249-1361). RV-3-551C

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure X
 Other VT-2 Pressure 2280 psig Test Temperature 547 deg F

FORM NIS-2 (Back)

9. Remarks

BOLTED CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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

Signed *Andy Tachikawa* SE MGR Date 10/31/01
Owner or Owner's Designee, Title

cb

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 Factory Mutual Insurance Company of Johnston, Rhode Island. have inspected the components described in this Owners Report during the period of 2/6/2001 to 10/17/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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W. J. [Signature]
Inspector's Signature

Commissions NB 7245 FL 328
National Board, State, Providence, and Endorsements

Date 12/11/2001

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Florida Power & Light
Name
700 Universe Blvd. Juno Beach, FL 33408
Address

Date 8/8/2001Sheet 1 of 2

2. Plant Turkey Point Plant
Name
9760 SW 344 Street Florida City, FL 33035
Address

Unit 3WO#: 30017123 CR#: N/A

Repair Organization, P.O. No, Job No., etc.

3. Work Performed by Florida Power & Light
Name
9760 SW 344 Street Florida City, FL 33035
Address

Type Code Symbol Stamp N/AAuthorization Number N/AExpiration Date N/A4. Identification of System: Containment Airlocks / Hatches System #: 51 Quality Group B5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
Tendon 2D19 Two 1/2 " thick donut shims.	N/A	N/A	N/A	SC 0209537 UTC 437054	N/A	Replacement	N
Tendon 34V15 Four 1/4 " & Two 1/2" thick donut shims	N/A	N/A	N/A	SC 0209537 UTC 437054	N/A	Replacement	N

7. Description of Work:

Unit 3 Containment Tendon/Concrete Inspection

8. Tests Conducted: Hydrostatic: N/A Pneumatic N/A Nominal Operating Pressure N/AOther N/A Pressure N/A psig Test Temperature N/A deg F

FORM NIS-2 (Back)

9. Remarks NO WELDING REQUIRED (TENDON SHIMS)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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

Signed

Date 12/18/01

Owner or Owner's Designee, Title

a/s

[Signature]
System Eng. Mgr.

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 Factory Mutual Insurance Company of Johnston, Rhode Island, have inspected the components described in this Owners Report during the period of 4/11/2001 to 8/8/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

Commissions NB7245 FL 328
National Board, State, Providence, and Endorsements

Date

12/20/2001

FORM NIS-2 OWNERS REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner Florida Power & Light Date 8/29/2001
Name
700 Universe Blvd. Juno Beach, FL 33408
Address

2. Plant Turkey Point Plant Unit 3
Name WO#: 31016535 CR#:
9760 SW 344 Street Florida City, FL 33035
Address Repair Organization, P.O. No, Job No., etc.

3. Work Performed by Florida Power & Light Type Code Symbol Stamp N/A
Name Authorization Number N/A
9760 SW 344 Street Florida City, FL 33035 Expiration Date N/A
Address

4. Identification of System: CVCS Charging and Letdown System #: 47 Quality Group B

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, NA Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 Edition, N/A Addenda, NA Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg	Mfg Serial Number	National Board	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamp Yes/No
1" Plug, ASME-SA-182 F316	NA	NA	NA	SC 0034972 1 UTC 439630	UNK	Replacement	No
Cylinder, with suction /discharge valve seats. P/N 322/323	NA	NA	NA	SC 0070887 1 UTC 436020	UNK	Replacement	No
NA							
NA							
NA							

7. Description of Work:

Replace Pump Cylinder block, drill hole in Pulsation Dampner, remove debris, & install a 1" plug and seal weld.

8. Tests Conducted: Hydrostatic: NA Pneumatic NA Nominal Operating Pressure X
 Other VT-2 Pressure 2350 psig Test Temperature 98 deg F

FORM NIS-2 (Back)

9. Remarks ALL WELDING PERFORMED IN ACCORDANCE WITH THE FPL WELD CONTROL MANUAL.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

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

Signed *[Signature]* Date 1-9-01
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state of Florida and employed by Factory Mutual Insurance Company of Johnston, Rhode Island. have inspected the components described in this Owners Report during the period of 8/28/2001 to 8/29/2001 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Report in accordance with the requirements of ASME Code, Section XI.

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

Commissions NB 7245 FL 328
 National Board, State, Providence, and Endorsements

Date 01-09-2002

**TURKEY POINT
UNIT 3**

2001 REFUELING OUTAGE

**FORM NIS-BB OWNER'S DATA REPORT
FOR EDDY CURRENT EXAMINATION RESULTS**

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: October 9, 2001 through October 13, 2001

STEAM GENERATOR	TOTAL TUBES INSPECTED	TOTAL TUBES 20%-39%	TOTAL TUBES $\geq 40\%$, PIT & VOL	TUBES PREVENTIVELY PLUGGED (PTP)	TUBES PLUGGED THIS OUTAGE	TOTAL PLUGGED TUBES IN S/G
3E210A (Bobbin)	3169	4 ⁽¹⁾	0	0	0	See RPC
3E210B (Bobbin)	3158	5 ⁽¹⁾	0	1 ⁽²⁾	1	See RPC
3E210C (Bobbin)	3163	17 ⁽¹⁾	0	0	0	See RPC
3E210A (RPC)	1739 ⁽⁸⁾	0	0	1 ⁽³⁾	1	46
3E210B (RPC)	1820 ⁽⁸⁾	0	1 ⁽⁴⁾	9 ^{(5) (6)}	10	67
3E210C (RPC)	1685 ⁽⁸⁾	0	0	2 ⁽⁷⁾	2	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 $\geq 40\%$, PIT & VOL
3E210A (Bobbin)	4 ⁽¹⁾	0	0	0	0	0	4	0
3E210B (Bobbin)	11 ⁽¹⁾	0	0	0	0	0	11	0
3E210C (Bobbin)	23 ⁽¹⁾	0	0	0	0	0	23	0
3E210A (RPC)	0	n/a	1	0	n/a	0	1	0
3E210B (RPC)	1	4	5	0	n/a	0	9	1 ⁽⁴⁾
3E210C (RPC)	0	n/a	2	0	n/a	0	2	0

Remarks:

- (1) Mechanical wear damage at anti-vibration bars (AVB) was depth sized using qualified bobbin coil sizing technique.
- (2) One tube was preventively plugged due to mechanical wear (34% through wall) at an anti vibration bar (AV2) in the u-bend.
- (3) One tube in 3A was preventatively plugged due to minor (< 40% by RP) wear at the first hot leg broached support plate.
- (4) One tube was plugged due to loose part related wear indication (LPI) at the 3rd cold leg support that exceeded the 40% plug limit based on RP plus point techniques.
- (5) One tube in 3B was preventatively plugged due to a restriction in the u-bend to a plus point examination. (Row 1 Column 3)
- (6) The remaining 8 wear indications in S/G 3B are located at broached support plates and were depth sized at < 40% by plus point and were preventively plugged.
- (7) Two tubes were preventatively plugged due to mechanical wear at the 2nd hot leg support measuring less than 40% by Plus Point technique
- (8) Includes tubes in the dent, low row U-bend and hot leg TTS expansion transition programs.

PTN-3 S/G "A"

OUTAGE: 10/01

Pluggable Indications

10/13/01 11:08:00 AM

Page 1 of 1

ROW	COL	CAL	VOLTS	DEG	CH	%	IND	Util2	SUPPORT	INCHES
32	15	AH041	0	0		0	PTP		01H	-0.45

TOTAL INDICATIONS: 1

TOTAL TUBES: 1

PTN-3 S/G "B"

OUTAGE: 10/01

Pluggable Indications

10/13/01 11:07:15 AM

Page 1 of 1

ROW	COL	CAL	VOLTS	DEG	CH	%	IND	Util2	SUPPORT	INCHES
1	3	BH046	0	0		0	PTP			0
15	76	BH041	0	0		0	PTP		03H	-0.7
26	77	BH049	0	0		0	PTP		02H	-0.48
27	41	BC049	0	0		0	PTP		03C	0.59
27	42	BC049	0	0		0	PTP		03C	0.59
28	41	BC036	0	0		0	PTP		03C	0.69
28	41	BC036	1.22	84	8	0	LPI		03C	0.69
28	41	BC049	0	0		0	PTP		03C	0.61
30	17	BC050	0	0		0	PTP		02C	0.56
32	19	BH021	0	0		0	PTP		02H	-0.61
32	66	BH041	0	0	P 1	0	PTP		02H	-0.84
34	51	BC018	0	0		0	PTP		AV2	0
38	69	BH041	0	0	P 1	0	PTP		02H	0.99

TOTAL INDICATIONS: 13

TOTAL TUBES: 11

PTN-3 S/G "C"

OUTAGE: 10/01

Pluggable Indications

10/13/01 11:08:44 AM

Page 1 of 1

ROW	COL	CAL	VOLTS	DEG	CH	%	IND	Util2	SUPPORT	INCHES
19	85	CH027	0	0		0	PTP		02H	-0.78
32	64	CH048	0	0		0	PTP		02H	-0.59

TOTAL INDICATIONS: 2

TOTAL TUBES: 2

PTN-3 S/G "A"

OUTAGE: 10/01

13-Oct-01

Page 1 of 1

Description: 20% TO 39% Indications

Row	Col	Volts	Deg	Chan	Indn	Percent	Location	Util1	Util2	Cal	Probe	Extent Tested	Dataset	Date
28	59	0.66		P 2		22	AV2	PS		AC004	A-720-M/ULC	TEHTEC	IS-DEG	10/9/01
31	44	0.52		P 2		20	AV3	PC		AC022	A-720-M/ULC	TEHTEC	IS-IMP	10/10/01
33	15	0.47		P 2		20	AV3			AC016	A-720-M/ULC	TEHTEC	IS-DEG	10/10/01
37	47	0.98		P 2		30	AV3			AC020	A-720-M/ULC	TEHTEC	IS-DEG	10/10/01

Total Indications: 4

Total Tubes: 4

PTN-3 S/G "B"

OUTAGE: 10/01

13-Oct-01

Page 1 of 1

Description: 20% to 39% Indications

Row	Col	Volts	Deg	Chan	Indn	Percent	Location	Util1	Util2	Cal	Probe	Extent Tested	Dataset	Date
30	42	0.71		P 2		24	AV4	-0.24	PS	BC029	A-720-M/ULC	TEHTEC	1S-IMP	10/10/01
30	42	0.84		P 2		27	AV3	0.13	PS	BC029	A-720-M/ULC	TEHTEC	1S-IMP	10/10/01
30	42	0.58		P 2		20	AV2	-0.03	PS	BC029	A-720-M/ULC	TEHTEC	1S-IMP	10/10/01
32	34	0.6		P 2		21	AV4	-0.08	PS	BC029	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
32	34	1.09		P 2		31	AV3	0.53	RC	BC029	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
32	34	0.8		P 2		26	AV2	-0.43	PS	BC029	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
32	34	0.86		P 2		27	AV1		PS	BC029	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
34	51	1.45		P 2		34	AV2			BC018	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
34	53	0.72		P 2		25	AV2			BC019	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
34	53	0.66		P 2		24	AV1			BC019	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
35	48	0.51		P 2		20	AV3			BC019	A-720-M/ULC	TEHTEC	1S-IMP	10/10/01

Total Indications: 11

Total Tubes: 5

PTN-3 S/G "C"

OUTAGE: 10/01

13-Oct-01

Page 1 of 1

Description: 20% to 39% Indications

Row	Col	Volts	Deg	Chan	Indn	Percent	Location	Util1	Util2	Cal	Probe	Extent Tested	Dataset	Date
23	45	0.45		P 2		22	AV3			CH022	A-720-M/ULC	TECTEH	1S-DEG	10/10/01
24	63	0.57		P 2		26	AV3			CC003	A-720-M/ULC	TEHTEC	1S-DEG	10/9/01
25	62	0.46		P 2		23	AV3			CC003	A-720-M/ULC	TEHTEC	1S-DEG	10/9/01
26	58	0.66		P 2		25	AV2	-0.34		CC004	A-720-M/ULC	TEHTEC	1S-DEG	10/9/01
28	48	0.63		P 2		28	AV2	0.43	PS	CC014	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
30	31	0.46		P 2		22	AV3			CH022	A-720-M/ULC	TECTEH	1S-DEG	10/10/01
30	31	0.39		P 2		20	AV1	-0.31		CH022	A-720-M/ULC	TECTEH	1S-DEG	10/10/01
30	31	0.5		P 2		23	AV2			CH022	A-720-M/ULC	TECTEH	1S-DEG	10/10/01
30	61	0.59		P 2		26	AV2			CC003	A-720-M/ULC	TEHTEC	1S-DEG	10/9/01
33	31	0.5		P 2		24	AV3	-0.03	PS	CC014	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
34	31	0.52		P 2		21	AV2			CC015	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
34	31	0.73		P 2		26	AV3			CC015	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
34	41	0.71		P 2		25	AV2			CC015	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
34	41	0.78		P 2		27	AV3			CC015	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
34	41	0.81		P 2		28	AV4			CC015	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
34	41	0.71		P 2		26	AV1		PS	CC015	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
34	44	0.41		P 2		21	AV3	-0.11	PS	CC014	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
35	35	0.46		P 2		22	AV3	0.05	PS	CC014	A-720-M/ULC	TEHTEC	1S-IMP	10/10/01
35	36	0.51		P 2		20	AV3			CC015	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
35	49	0.44		P 2		22	AV4	-0.19	PS	CC012	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
37	28	0.41		P 2		21	AV4		PS	CC014	A-720-M/ULC	TEHTEC	1S-IMP	10/10/01
38	65	0.49		P 2		20	AV4			CC013	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01
38	71	0.53		P 2		25	AV3	0.13	PS	CC012	A-720-M/ULC	TEHTEC	1S-DEG	10/10/01

Total Indications: 23

Total Tubes: 17

**TURKEY POINT
UNIT 3**

2001 REFUELING OUTAGE

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

MECHANICAL SHOCK ARRESTOR
FINAL REPORT

TURKEY POINT

UNIT 3

2001

CYCLE 19 REFUELING OUTAGE

During the Unit 3 Cycle 19 Refueling Outage, 58 snubbers received a technical specification visual inspection and an ASME XI VT-3. Of the 58 snubbers, 45 snubbers also received a handstroke. Twelve of the snubbers received a functional test with no handstroke and one snubber was a complete change out and replaced with a previously rebuilt snubber. The following pages are a complete summary of the work performed during the 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**

	Ricky L. Spillman	12/12/01
Originated by:		Date
	Chuck Tudor	12/12/01
Reviewed by:		Date
	Ed Lyons	12/12/01
Approved by:		Date

Turkey Point
Outage Summary Report
Unit 3 2001 Cycle 19 Refueling Outage WO # 31006250 01

Tag Number	Serial Number	Visual Inspection Date	S T A T	Date of Functional Test	S T A T	"L" Dimension	S T A T	Visual Summary	Functional Summary																				
3-1000	18015	10/7/01	P	N/A		12.875	P	Visual inspection-SAT, "L" dimension acceptable, handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1001	27095	10/07/01	P	N/A		17.125	P	Visual inspection-SAT, "L" dimension acceptable, handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1002	104	10/4/01	P	10/4/01	P	17.250	P	Visual inspection –SAT, "L" dimension acceptable, no handstroke performed, snubber is part of the initial SR sample. Spherical bearings and load pin were lubricated with neolube – 24984-3. Replaced one cotter pin Stk Code 029146-3. Replaced safety wire Stk Code 012230-4.	A functional test was performed with the following acceptable results. Snubber S/N 104 <table><tr><td></td><td>Tension</td><td>Compression</td><td>Criteria</td></tr><tr><td>Test 1)</td><td>10.3</td><td>18.6</td><td>300.0</td></tr><tr><td>Test 2)</td><td>17.0</td><td>19.2</td><td>300.0</td></tr><tr><td>Test 3)</td><td>0.012</td><td>0.012</td><td>.02g</td></tr><tr><td>Test 4)</td><td>23.0</td><td>22.0</td><td>300.0</td></tr></table> This SR snubber was tested as part of the initial sample.		Tension	Compression	Criteria	Test 1)	10.3	18.6	300.0	Test 2)	17.0	19.2	300.0	Test 3)	0.012	0.012	.02g	Test 4)	23.0	22.0	300.0
	Tension	Compression	Criteria																										
Test 1)	10.3	18.6	300.0																										
Test 2)	17.0	19.2	300.0																										
Test 3)	0.012	0.012	.02g																										
Test 4)	23.0	22.0	300.0																										
3-1003	29625	10/7/01	P	N/A		16.187	P	Visual inspection-SAT, "L" dimension acceptable, handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1004	101	10/1/01	P	N/A		17.562	P	Visual inspection-SAT, "L" dimension acceptable, handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1005	10579	10/5/01	P	N/A		26.375	P	Visual inspection-SAT, "L" dimension acceptable, handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				

Turkey Point
Outage Summary Report
Unit 3 2001 Cycle 19 Refueling Outage WO # 31006250 01

Tag Number	Serial Number	Visual Inspection Date	S T of A Functional T Test	S T A T Dimension	S T A T Dimension	Visual Summary	Functional Summary
3-1006	6494	10/2/01	P	N/A	26.812	P Visual inspection-SAT, "L" dimension acceptable, handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A
3-1007	10035	10/2/01	P	N/A	27.125	P Visual inspection-SAT, "L" dimension acceptable, handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A
3-1008	8084	10/2/01	P	N/A	28.00	P Visual inspection-SAT, "L" dimension acceptable, handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A
3-1009	10542	10/5/01	P	N/A	27.250	P Visual inspection-SAT, "L" dimension acceptable, handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A
3-1010	6530	10/2/01	P	N/A	26.500	P Visual inspection-SAT, "L" dimension acceptable, handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A
3-1011	12376	10/2/01	P	N/A	20.562	P Visual inspection-SAT, "L" dimension acceptable, handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A
3-1012	8086	10/02/01	P	N/A	26.750	P Visual inspection-SAT, "L" dimension acceptable, handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A
3-1013	33624	10/8/01	P	N/A	10.500	P Visual inspection-SAT, "L" dimension acceptable, handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A

Turkey Point
Outage Summary Report
Unit 3 2001 Cycle 19 Refueling Outage WO # 31006250 01

Tag Number	Serial Number	Visual Inspection Date	S T A T T	Date of Functional Test	S T A T T	"L" Dimension	S T A T T	Visual Summary	Functional Summary																				
3-1014	1722	10/8/01	P	N/A		8.875	P	Visual inspection –SAT, “L” dimension acceptable. Handstroke -SAT, lubricated spherical bearings and load pin with neolube – 24984-3.	N/A																				
3-1015	18009	10/5/01	P	N/A		11.750	P	Visual inspection –SAT, “L” dimension acceptable. Handstroke -SAT, lubricated spherical bearings and load pin with neolube – 24984-3.	N/A																				
3-1016	18012	10/5/01	P	N/A		12.062	P	Visual inspection –SAT, “L” dimension acceptable. Handstroke -SAT , lubricated spherical bearings and load pin with neolube – 24984-3.	N/A																				
3-1017	18003	10/5/01	P	10/5/01	P	13.750	P	Visual inspection –SAT, “L” dimension acceptable, no handstroke performed, snubber is part of the initial SR sample. Spherical bearings and load pin were lubricated with neolube – 24984-3.	A functional test was performed with the following acceptable results. Snubber S/N 18003 <table><tr><th></th><th>Tension</th><th>Compression</th><th>Criteria</th></tr><tr><td>Test 1)</td><td>6.7</td><td>7.6</td><td>75.0</td></tr><tr><td>Test 2)</td><td>8.1</td><td>8.0</td><td>75.0</td></tr><tr><td>Test 3)</td><td>0.007</td><td>0.007</td><td>.02g</td></tr><tr><td>Test 4)</td><td>6.8</td><td>8.4</td><td>75.0</td></tr></table> This SR snubber was tested as part of the initial sample.		Tension	Compression	Criteria	Test 1)	6.7	7.6	75.0	Test 2)	8.1	8.0	75.0	Test 3)	0.007	0.007	.02g	Test 4)	6.8	8.4	75.0
	Tension	Compression	Criteria																										
Test 1)	6.7	7.6	75.0																										
Test 2)	8.1	8.0	75.0																										
Test 3)	0.007	0.007	.02g																										
Test 4)	6.8	8.4	75.0																										
3-1018	18013	10/5/01	P	N/A		13.5	P	Visual inspection-SAT, “L” dimension acceptable, handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1019	17425	10/5/01	P	N/A		17.250	P	Visual inspection-SAT, “L” dimension acceptable, handstroke – SAT, snubber was removed to lubricate spherical bearing and load pin on both ends with neolube – 24984-3.	N/A																				

Turkey Point
Outage Summary Report
Unit 3 2001 Cycle 19 Refueling Outage WO # 31006250 01

Tag Number	Serial Number	Visual Inspection Date	S T A T	Date of Functional Test	S T	"L" Dimension	S T	Visual Summary	Functional Summary																				
3-1020	103	10/8/01	P	N/A		17.0	P	Visual inspection-SAT, "L" dimension acceptable, handstroke – SAT, snubber was removed to lubricate spherical bearing and load pin on both ends with neolube – 24984-3.	N/A																				
3-1021	16725	10/9/01	P	N/A	P	8.375	P	Visual inspection –SAT, "L" dimension acceptable, no handstroke performed, snubber is part of the initial SR sample. Spherical bearings and load pin were lubricated with neolube – 24984-3.	A functional test was performed with the following acceptable results. Snubber S/N 16725 <table><tr><td></td><td>Tension</td><td>Compression</td><td>Criteria</td></tr><tr><td>Test 1)</td><td>4.2</td><td>1.8</td><td>32.5</td></tr><tr><td>Test 2)</td><td>6.5</td><td>2.4</td><td>32.5</td></tr><tr><td>Test 3)</td><td>0.011</td><td>0.007</td><td>.02g</td></tr><tr><td>Test 4)</td><td>6.4</td><td>1.5</td><td>32.5</td></tr></table> This SR snubber was tested as part of the initial sample.		Tension	Compression	Criteria	Test 1)	4.2	1.8	32.5	Test 2)	6.5	2.4	32.5	Test 3)	0.011	0.007	.02g	Test 4)	6.4	1.5	32.5
	Tension	Compression	Criteria																										
Test 1)	4.2	1.8	32.5																										
Test 2)	6.5	2.4	32.5																										
Test 3)	0.011	0.007	.02g																										
Test 4)	6.4	1.5	32.5																										
3-1022	18006	10/8/01	P	N/A		13.125	P	Visual inspection-SAT, "L" dimension acceptable, handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1023	23273	10/8/01	P	N/A		13.125	P	Visual inspection-SAT, "L" dimension acceptable, handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1024	17427	10/8/01	P	N/A		17.125	P	Visual inspection – SAT, "L" dimension acceptable. Hanstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1025	100	10/8/01	P	N/A		17.125	P	Visual inspection – SAT, "L" dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				

Turkey Point
Outage Summary Report
Unit 3 2001 Cycle 19 Refueling Outage WO # 31006250 01

Tag Number	Serial Number	Visual Inspection Date	S T A T	Date of Functional Test	S T A T	"L" Dimension	S T	Visual Summary	Functional Summary																				
3-1026	12394	10/9/01	P	N/A		19.125	P	Visual inspection – SAT, "L" dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1027	16237	10/09/01	P	10/9/01	P	20.875	P	Visual inspection –SAT, "L" dimension acceptable, no handstroke performed, snubber is part of the initial SR sample. Spherical bearings and load pin were lubricated with neolube – 24984-3.	A functional test was performed with acceptable results. Snubber was re-greased (Stk Code 014977-1) with the following acceptable results. Snubber S/N 16237 <table><tr><td></td><td>Tension</td><td>Compression</td><td>Criteria</td></tr><tr><td>Test 1)</td><td>44.9</td><td>26.3</td><td>750.0</td></tr><tr><td>Test 2)</td><td>67.4</td><td>28.7</td><td>750.0</td></tr><tr><td>Test 3)</td><td>0.007</td><td>0.007</td><td>.02g</td></tr><tr><td>Test 4)</td><td>69.6</td><td>28.3</td><td>750.0</td></tr></table> This SR snubber was tested as part of the initial sample.		Tension	Compression	Criteria	Test 1)	44.9	26.3	750.0	Test 2)	67.4	28.7	750.0	Test 3)	0.007	0.007	.02g	Test 4)	69.6	28.3	750.0
	Tension	Compression	Criteria																										
Test 1)	44.9	26.3	750.0																										
Test 2)	67.4	28.7	750.0																										
Test 3)	0.007	0.007	.02g																										
Test 4)	69.6	28.3	750.0																										
3-1028	11135	10/8/01	P	N/A		19.875	P	Visual inspection – SAT, "L" dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1029	11330	10/8/01	P	N/A		21.812	P	Visual inspection – SAT, "L" dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1030	11121	10/8/01	P	N/A		21.125	P	Visual inspection – SAT. "L" dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1041	16234	10/10/01	P	10/10/01	P	20.500	P	Visual inspection – SAT. "L" dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3. This snubber was scheduled for a functional test, however it was not a sample snubber.	A functional test was performed with the following acceptable results. Snubber S/N 16234 <table><tr><td></td><td>Tension</td><td>Compression</td><td>Criteria</td></tr><tr><td>Test 1)</td><td>37.2</td><td>34.2</td><td>750.0</td></tr><tr><td>Test 2)</td><td>77.0</td><td>57.8</td><td>750.0</td></tr><tr><td>Test 3)</td><td>0.007</td><td>0.007</td><td>.02g</td></tr><tr><td>Test 4)</td><td>69.6</td><td>63.1</td><td>750.0</td></tr></table>		Tension	Compression	Criteria	Test 1)	37.2	34.2	750.0	Test 2)	77.0	57.8	750.0	Test 3)	0.007	0.007	.02g	Test 4)	69.6	63.1	750.0
	Tension	Compression	Criteria																										
Test 1)	37.2	34.2	750.0																										
Test 2)	77.0	57.8	750.0																										
Test 3)	0.007	0.007	.02g																										
Test 4)	69.6	63.1	750.0																										

Turkey Point
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Unit 3 2001 Cycle 19 Refueling Outage WO # 31006250 01

Tag	Serial	Visual	S	Date	S	S
Number	Number	Inspection	T	of	T	T
		Date	A	Functional	A	"L"
			T	Test	T	Dimension

Visual Summary

Functional Summary

3-1042	12365	10/10/01	P	10/10/01	P	20.625	P	Visual inspection – SAT. “L” dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3. This snubber was scheduled for a functional test, however it was not a sample snubber.	A functional test was performed with the following acceptable results. Snubber S/N 12365 <table><tr><td></td><td>Tension</td><td>Compression</td><td>Criteria</td></tr><tr><td>Test 1)</td><td>70.0</td><td>74.4</td><td>750.0</td></tr><tr><td>Test 2)</td><td>84.8</td><td>90.3</td><td>750.0</td></tr><tr><td>Test 3)</td><td>0.008</td><td>0.007</td><td>.02g</td></tr><tr><td>Test 4)</td><td>91.2</td><td>93.1</td><td>750.0</td></tr></table>		Tension	Compression	Criteria	Test 1)	70.0	74.4	750.0	Test 2)	84.8	90.3	750.0	Test 3)	0.008	0.007	.02g	Test 4)	91.2	93.1	750.0
	Tension	Compression	Criteria																										
Test 1)	70.0	74.4	750.0																										
Test 2)	84.8	90.3	750.0																										
Test 3)	0.008	0.007	.02g																										
Test 4)	91.2	93.1	750.0																										
3-1043	12377	10/6/01	P	N/A		22.00	P	Visual inspection – SAT. “L” dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1044	17905	10/6/01	P	N/A		21.250	P	Visual inspection – SAT. “L” dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1045	10172	10/6/01	P	N/A		21.625	P	Visual inspection – SAT. “L” dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1046	10174	10/6/01	P	N/A		20.75	P	Visual inspection – SAT. “L” dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1060	19728 Rep'd 19329	10/6/01	P	10/3/01	P	18.250	P	Visual inspection – SAT. “L” dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3. Snubber was scheduled to be replaced with spare S/N 19728. Removed snubber S/N 19329 was disassembled, inner race of the thrust bearing was worn. The snubber S/N 19329 was bagged and transferred to dry storage.	A functional test was performed with the following acceptable results. (This snubber was a spare) . Snubber was re-greased with Stk Code 014977-1. Snubber S/N 19728 <table><tr><td></td><td>Tension</td><td>Compression</td><td>Criteria</td></tr><tr><td>Test 1)</td><td>13.4</td><td>16.7</td><td>300.00</td></tr><tr><td>Test 2)</td><td>15.9</td><td>23.8</td><td>300.00</td></tr><tr><td>Test 3)</td><td>0.004</td><td>0.004</td><td>.02g</td></tr><tr><td>Test 4)</td><td>15.8</td><td>34.3</td><td>300.00</td></tr></table> This snubber was a scheduled change out.		Tension	Compression	Criteria	Test 1)	13.4	16.7	300.00	Test 2)	15.9	23.8	300.00	Test 3)	0.004	0.004	.02g	Test 4)	15.8	34.3	300.00
	Tension	Compression	Criteria																										
Test 1)	13.4	16.7	300.00																										
Test 2)	15.9	23.8	300.00																										
Test 3)	0.004	0.004	.02g																										
Test 4)	15.8	34.3	300.00																										

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Tag Number	Serial Number	Visual Inspection Date	S T A T	Date of Functional Test	S T A T	"L" Dimension	S T	Visual Summary	Functional Summary																				
3-1077	16230	10/11/01	P	10/10/01	P	20.50	P	Visual inspection – SAT. "L" dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3. This snubber was scheduled for a functional test, however it was not a sample snubber.	<p>A functional test was performed with the following acceptable results.</p> <p>Snubber S/N 16230</p> <table><tr><th></th><th>Tension</th><th>Compression</th><th>Criteria</th></tr><tr><td>Test 1)</td><td>43.8</td><td>35.3</td><td>750.0</td></tr><tr><td>Test 2)</td><td>84.1</td><td>67.9</td><td>750.0</td></tr><tr><td>Test 3)</td><td>0.007</td><td>0.006</td><td>.02g</td></tr><tr><td>Test 4)</td><td>72.9</td><td>53.3</td><td>750.0</td></tr></table>		Tension	Compression	Criteria	Test 1)	43.8	35.3	750.0	Test 2)	84.1	67.9	750.0	Test 3)	0.007	0.006	.02g	Test 4)	72.9	53.3	750.0
	Tension	Compression	Criteria																										
Test 1)	43.8	35.3	750.0																										
Test 2)	84.1	67.9	750.0																										
Test 3)	0.007	0.006	.02g																										
Test 4)	72.9	53.3	750.0																										
3-1081	11921	10/09/01	P	10/9/01	P	25.250	P	Visual inspection –SAT, "L" dimension acceptable, no handstroke performed, snubber is part of the initial SR sample. Spherical bearings and load pin were lubricated with neolube – 24984-3.	<p>A functional test was performed with the following acceptable results.</p> <p>Snubber S/N 11921</p> <table><tr><th></th><th>Tension</th><th>Compression</th><th>Criteria</th></tr><tr><td>Test 1)</td><td>340.8</td><td>208.1</td><td>2500.0</td></tr><tr><td>Test 2)</td><td>366.3</td><td>305.4</td><td>2500.0</td></tr><tr><td>Test 3)</td><td>0.001</td><td>0.001</td><td>.02g</td></tr><tr><td>Test 4)</td><td>293.6</td><td>360.0</td><td>2500.0</td></tr></table> <p>This SR snubber was tested as part of the initial sample.</p>		Tension	Compression	Criteria	Test 1)	340.8	208.1	2500.0	Test 2)	366.3	305.4	2500.0	Test 3)	0.001	0.001	.02g	Test 4)	293.6	360.0	2500.0
	Tension	Compression	Criteria																										
Test 1)	340.8	208.1	2500.0																										
Test 2)	366.3	305.4	2500.0																										
Test 3)	0.001	0.001	.02g																										
Test 4)	293.6	360.0	2500.0																										
3-1092	27105	10/9/01	P	10/9/01	P	18.0	P	Visual inspection –SAT, "L" dimension acceptable, no handstroke performed, snubber is part of the initial SR sample. Spherical bearings and load pin were lubricated with neolube – 24984-3.	<p>A functional test was performed with the following acceptable results.</p> <p>Snubber S/N 27105</p> <table><tr><th></th><th>Tension</th><th>Compression</th><th>Criteria</th></tr><tr><td>Test 1)</td><td>15.5</td><td>20.2</td><td>300.00</td></tr><tr><td>Test 2)</td><td>31.0</td><td>23.0</td><td>300.00</td></tr><tr><td>Test 3)</td><td>0.003</td><td>0.003</td><td>.02g</td></tr><tr><td>Test 4)</td><td>30.2</td><td>28.9</td><td>300.00</td></tr></table> <p>This SR Snubber was tested as part of the initial sample.</p>		Tension	Compression	Criteria	Test 1)	15.5	20.2	300.00	Test 2)	31.0	23.0	300.00	Test 3)	0.003	0.003	.02g	Test 4)	30.2	28.9	300.00
	Tension	Compression	Criteria																										
Test 1)	15.5	20.2	300.00																										
Test 2)	31.0	23.0	300.00																										
Test 3)	0.003	0.003	.02g																										
Test 4)	30.2	28.9	300.00																										

Turkey Point
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Tag Number	Serial Number	Visual Inspection Date	S Date T of A Functional T Test	S T A T	"L" Dimension	Visual Summary	Functional Summary																					
3-1094	4388 Rep'd with 17424	10/10/01	F	10/10/01	F	14.875	P Visual inspection –UNSAT, "L" dimension was acceptable, however the snubber could not be hand stroked. CR 0-11993 was generated. The snubber was tranferred to the test trailer for a functional test. S/N 4388 failed the functional test and was replaced with a tested spare S/N 17424 .Spherical bearings and load pin were lubricated with neolube – 24984-3. This snubber was not part of the original sample plan.	A functional test was performed with the following acceptable results (SAT) on replacement spare S/N 17424. Re-greased with Stk Code 014977-1. Snubber S/N 17424 <table><tr><td></td><td>Tension</td><td>Compression</td><td>Criteria</td></tr><tr><td>Test 1)</td><td>12.7</td><td>16.9</td><td>300.0</td></tr><tr><td>Test 2)</td><td>16.1</td><td>20.1</td><td>300.0</td></tr><tr><td>Test 3)</td><td>0.004</td><td>0.006</td><td>.02g</td></tr><tr><td>Test 4)</td><td>22.8</td><td>18.1</td><td>300.0</td></tr></table>		Tension	Compression	Criteria	Test 1)	12.7	16.9	300.0	Test 2)	16.1	20.1	300.0	Test 3)	0.004	0.006	.02g	Test 4)	22.8	18.1	300.0
	Tension	Compression	Criteria																									
Test 1)	12.7	16.9	300.0																									
Test 2)	16.1	20.1	300.0																									
Test 3)	0.004	0.006	.02g																									
Test 4)	22.8	18.1	300.0																									
3-1099	38481	10/7/01	P	10/7/01	P	11.750	P Visual inspection –SAT, "L" dimension acceptable, no handstroke performed, snubber is part of the initial SR sample. Spherical bearings and load pin were lubricated with neolube – 24984-3.	A functional test was performed with the following acceptable results. Snubber S/N 38481 <table><tr><td></td><td>Tension</td><td>Compression</td><td>Criteria</td></tr><tr><td>Test 1)</td><td>2.4</td><td>1.8</td><td>17.5</td></tr><tr><td>Test 2)</td><td>3.8</td><td>3.3</td><td>17.5</td></tr><tr><td>Test 3)</td><td>0.011</td><td>0.012</td><td>.02g</td></tr><tr><td>Test 4)</td><td>3.4</td><td>5.6</td><td>17.5</td></tr></table> This SR Snubber was tested as part of the initial sample.		Tension	Compression	Criteria	Test 1)	2.4	1.8	17.5	Test 2)	3.8	3.3	17.5	Test 3)	0.011	0.012	.02g	Test 4)	3.4	5.6	17.5
	Tension	Compression	Criteria																									
Test 1)	2.4	1.8	17.5																									
Test 2)	3.8	3.3	17.5																									
Test 3)	0.011	0.012	.02g																									
Test 4)	3.4	5.6	17.5																									
3-1101	33626	10/9/01	P	10/9/01	P	11.437	P Visual inspection –SAT, "L" dimension acceptable, no handstroke performed, snubber is part of the initial SR sample. Spherical bearings and load pin were lubricated with neolube – 24984-3.	A functional test was performed with the following acceptable results. Snubber S/N 33626 <table><tr><td></td><td>Tension</td><td>Compression</td><td>Criteria</td></tr><tr><td>Test 1)</td><td>2.1</td><td>3.2</td><td>17.5</td></tr><tr><td>Test 2)</td><td>5.0</td><td>3.3</td><td>17.5</td></tr><tr><td>Test 3)</td><td>0.006</td><td>0.005</td><td>.02g</td></tr><tr><td>Test 4)</td><td>5.8</td><td>3.0</td><td>17.5</td></tr></table> This SR Snubber was tested as part of the initial sample.		Tension	Compression	Criteria	Test 1)	2.1	3.2	17.5	Test 2)	5.0	3.3	17.5	Test 3)	0.006	0.005	.02g	Test 4)	5.8	3.0	17.5
	Tension	Compression	Criteria																									
Test 1)	2.1	3.2	17.5																									
Test 2)	5.0	3.3	17.5																									
Test 3)	0.006	0.005	.02g																									
Test 4)	5.8	3.0	17.5																									
3-1123	6484	10/3/01	P	N/A	P	27.750	P Visual inspection – SAT. "L" dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3. Snubber was completely removed for handstroke.	N/A																				

Turkey Point
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Tag Number	Serial Number	Visual Inspection Date	S T A T	Date of Functional Test	S T	"L" Dimension	S T	Visual Summary	Functional Summary																				
3-1124	12991	10/3/01	P	N/A		27.625	P	Visual inspection – SAT. "L" dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3. Snubber was completely removed for handstroke.	N/A																				
3-1125	12986	10/4/01	P	N/A		26.750	P	Visual inspection –SAT, "L" dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1126	12989	10/4/01	P	N/A		27.0	P	Visual inspection –SAT, "L" dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1127	12990	9/30/01	P	10/2/01	P	27.125	P	Visual inspection –SAT, "L" dimension acceptable, no handstroke performed, snubber is part of the initial QR sample. Spherical bearings and load pin were lubricated with neolube – 24984-3.	A functional test was performed with the following acceptable results. Snubber S/N 12990 <table><tr><td></td><td>Tension</td><td>Compression</td><td>Criteria</td></tr><tr><td>Test 1)</td><td>116.7</td><td>169.9</td><td>2500.0</td></tr><tr><td>Test 2)</td><td>136.0</td><td>239.0</td><td>2500.0</td></tr><tr><td>Test 3)</td><td>0.006</td><td>0.006</td><td>.02g</td></tr><tr><td>Test 4)</td><td>109.2</td><td>294.3</td><td>2500.0</td></tr></table> This QR Snubber was tested as part of the initial sample.		Tension	Compression	Criteria	Test 1)	116.7	169.9	2500.0	Test 2)	136.0	239.0	2500.0	Test 3)	0.006	0.006	.02g	Test 4)	109.2	294.3	2500.0
	Tension	Compression	Criteria																										
Test 1)	116.7	169.9	2500.0																										
Test 2)	136.0	239.0	2500.0																										
Test 3)	0.006	0.006	.02g																										
Test 4)	109.2	294.3	2500.0																										
3-1128	12985	9/30/01	P	10/2/01	P	26.687	P	Visual inspection –SAT, "L" dimension acceptable, no handstroke performed, snubber is part of the initial QR sample. Spherical bearings and load pin were lubricated with neolube – 24984-3.	A functional test was performed with the following acceptable results. Snubber S/N 12985 <table><tr><td></td><td>Tension</td><td>Compression</td><td>Criteria</td></tr><tr><td>Test 1)</td><td>89.5</td><td>237.2</td><td>2500.0</td></tr><tr><td>Test 2)</td><td>297.4</td><td>326.9</td><td>2500.0</td></tr><tr><td>Test 3)</td><td>0.003</td><td>0.003</td><td>.02g</td></tr><tr><td>Test 4)</td><td>265.0</td><td>321.5</td><td>2500.0</td></tr></table> This QR Snubber was tested as part of the initial sample.		Tension	Compression	Criteria	Test 1)	89.5	237.2	2500.0	Test 2)	297.4	326.9	2500.0	Test 3)	0.003	0.003	.02g	Test 4)	265.0	321.5	2500.0
	Tension	Compression	Criteria																										
Test 1)	89.5	237.2	2500.0																										
Test 2)	297.4	326.9	2500.0																										
Test 3)	0.003	0.003	.02g																										
Test 4)	265.0	321.5	2500.0																										
3-1129	12987	9/30/01	P	N/A	P	26.125	P	Visual inspection –SAT, "L" dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				

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Tag Number	Serial Number	Visual Inspection Date	S T A T	Date of Functional Test	S T	"L" Dimension	S T	Visual Summary	Functional Summary																				
3-1130	17840	10/1/01	P	N/A		19.750	P	Visual inspection –SAT, “L” dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1131	17837	10/1/01	P	N/A		19.562	P	Visual inspection –SAT, “L” dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1132	17838	10/1/01	P	N/A		19.125	P	Visual inspection –SAT, “L” dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A																				
3-1133	13695	10/1/01	P	10/2/01	P	19.625	P	Visual inspection –SAT, “L” dimension acceptable, no handstroke performed, snubber is part of the initial QR sample. Spherical bearings and load pin were lubricated with neolube – 24984-3. New safety wire was installed Stk Code 0012230-4	A functional test was performed with the following acceptable results. Snubber S/N 13695 <table><tr><td></td><td>Tension</td><td>Compression</td><td>Criteria</td></tr><tr><td>Test 1)</td><td>28.7</td><td>34.7</td><td>750.0</td></tr><tr><td>Test 2)</td><td>53.3</td><td>50.2</td><td>750.0</td></tr><tr><td>Test 3)</td><td>0.005</td><td>0.005</td><td>.02g</td></tr><tr><td>Test 4)</td><td>48.9</td><td>52.9</td><td>750.0</td></tr></table> This QR Snubber was tested as part of the initial sample.		Tension	Compression	Criteria	Test 1)	28.7	34.7	750.0	Test 2)	53.3	50.2	750.0	Test 3)	0.005	0.005	.02g	Test 4)	48.9	52.9	750.0
	Tension	Compression	Criteria																										
Test 1)	28.7	34.7	750.0																										
Test 2)	53.3	50.2	750.0																										
Test 3)	0.005	0.005	.02g																										
Test 4)	48.9	52.9	750.0																										
3-1134	17836	10/1/01	P	10/2/01	P	19.125	P	Visual inspection –SAT, “L” dimension acceptable, no handstroke performed, snubber is part of the initial QR sample. Spherical bearings and load pin were lubricated with neolube – 24984-3. New safety wire was installed Stk Code 012230-4.	A functional test was performed with the following acceptable results. Snubber S/N 17836 <table><tr><td></td><td>Tension</td><td>Compression</td><td>Criteria</td></tr><tr><td>Test 1)</td><td>43.8</td><td>68.9</td><td>750.0</td></tr><tr><td>Test 2)</td><td>53.5</td><td>69.9</td><td>750.0</td></tr><tr><td>Test 3)</td><td>0.006</td><td>0.010</td><td>.02g</td></tr><tr><td>Test 4)</td><td>54.6</td><td>75.6</td><td>750.0</td></tr></table> This QR Snubber was tested as part of the initial sample.		Tension	Compression	Criteria	Test 1)	43.8	68.9	750.0	Test 2)	53.5	69.9	750.0	Test 3)	0.006	0.010	.02g	Test 4)	54.6	75.6	750.0
	Tension	Compression	Criteria																										
Test 1)	43.8	68.9	750.0																										
Test 2)	53.5	69.9	750.0																										
Test 3)	0.006	0.010	.02g																										
Test 4)	54.6	75.6	750.0																										

Turkey Point
Outage Summary Report
Unit 3 2001 Cycle 19 Refueling Outage WO # 31006250 01

Tag Number	Serial Number	Visual Inspection Date	S T A T	Date of Functional Test	S T	S T	“L” Dimension	Visual Summary	Functional Summary
3-1135	17839	10/1/01	P	N/A		19.125	P	Visual inspection –SAT, “L” dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A
3-1137	19885	10/7/01	P	N/A		8.6875	P	Visual inspection –SAT, “L” dimension acceptable. Handstroke – SAT, lubricated spherical bearing and load pin with neolube – 24984-3.	N/A

**TURKEY POINT
UNIT 3**

2001 REFUELING OUTAGE

SUMMARY OF INSERVICE INSPECTION EXAMINATIONS



FPL

Florida Power & Light Co.
CSI Inspections Section

FLORIDA POWER & LIGHT CO.

TURKEY POINT NUCLEAR PLANT UNIT 3

INSERVICE INSPECTION SUMMARY

PCBEAO STATUS COMPONENTS

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE

December 17, 2001

REVISION 0

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

PAGE: 1

REVISION: 0

INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 1 PCBEAO STATUS COMPONENTS

REACTOR PRESSURE VESSEL

ZONE NUMBER: 3-001

ASME

N I O

SEC. XI

S O N G T

SUMMARY EXAMINATION AREA

CATEGORY

EXAM

T R S E H

REMARKS

NUMBER IDENTIFICATION

ITEM NO

METHOD

PROCEDURE

A E I O E

CALIBRATION BLOCK

T C G M R

(REF. DWG. NO. 5613-M-4000)

001900	VESSEL INTERIOR ACCESSIBLE AREAS	B-N-1 B13.10	VT-3	4.3-33	C X - - -	10/14/2001 - VT3 Complete
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003200	VESSEL TO CLOSURE HEAD SURFACE ON HEAD	B-N-1 B13.10	VT-3	4.3-32	C X - - -	10/10/2001 - VT3 Complete
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(REF. DWG. NO. 5613-M-4001)

014540	3-CH-N-41 THRU 58 RPV CLOSURE HEAD NUTS	B-G-1 B6.10	MT UT 45S-CIR-2	2.2-2 5.10-1	B X - - - - - - - X - - -	10/9/2001 - MT Complete. Baseline examination on RPV nut 3 & 45. Refer to CR# 01-1964. 10/9/2001 - UT Completed. Baseline examination on RPV nut 3 & 45. Refer to CR# 01-1964. **UT-25**
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DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 1 PCBEAO STATUS COMPONENTS

REACTOR COOLANT SYSTEM PRESSURIZER SURGE LINE

ZONE NUMBER: 3-016

ASME

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REMARKS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	CATEGORY ITEM NO	EXAM METHOD	PROCEDURE						REMARKS
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CALIBRATION BLOCK

(REF. DWG. NO. 5613-P-766-S SH. 2)

052200	12"-RC-1301-5	R-A	UT	5.4-8	C	-	-	-	-	10/1/2001 - UT Complete
	PIPE TO PIPE	R1.11	45S-CIR-2		X	-	-	-	-	**UT-34**
			45S-AX-2.		-	-	X	-	-	
			60S-AX-2.		X	-	-	-	-	

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 1 PCBEAO STATUS COMPONENTS

REACTOR COOLANT SYSTEM AUXILIARY SPRAY LINE

ZONE NUMBER: 3-035

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REMARKS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	CATEGORY ITEM NO	EXAM METHOD	PROCEDURE						REMARKS **CALIBRATION BLOCK**
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(REF. DWG. NO. 5613-P-661-S SH. 2)

114400	2"-RC-1310-2 VALVE 3-313 TO PIPE	R-A R1.12	VT-2	4.2-1	C X	-	-	-	9/30/2001 - VT2 Complete	**UT-54**
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120900	2"-RC-1310-38 REDUCER TO PIPE	R-A R1.12	VT-2	4.2-1	C X	-	-	-	9/30/2001 - VT2 Complete	
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DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 1 PCBEAO STATUS COMPONENTS

RESIDUAL HEAT REMOVAL FROM RC LOOP C HOT LEG

ZONE NUMBER: 3-036

ASME

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(REF. DWG. NO. 5613-P-669-S SH. 1)

122600	3-RCH-10	F-A	VT-3	4.3-11	C X - - -	10/4/2001 - VT3 Complete. WO 31009375 written to repair cracked and chipped grout on base plate.
	DUAL SPRING HANGER	F1.10				

123000	VALVE MOV-3-751	B-G-2	VT-1	4.1-3	C X - - -	10/6/2001 - VT1 Complete
	VALVE BOLTING	B7.70				

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INSERVICE INSPECTION SUMMARY

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THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 1 PCBEAO STATUS COMPONENTS

HIGH HEAD SAFETY INJECTION LOOP A INSIDE CTMT

ZONE NUMBER: 3-040

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****CALIBRATION BLOCK****

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									CALIBRATION BLOCK
(REF. DWG. NO. 5613-P-583-S SH. 1)									
135500	427A DOUBLE ACTING RESTRAINT	F-A F1.10	VT-3	4.3-9	C X	-	-	-	10/4/2001 - VT3 Complete

135600	SR-41 SPRING HANGER	F-A F1.10	VT-3	4.3-7	C X	-	-	-	10/4/2001 - VT3 Complete

136800	427C DOUBLE ACTING RESTRAINT	F-A F1.10	VT-3	4.3-8	C X	-	-	-	10/4/2001 - VT3 Complete

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TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 1 PCBEAO STATUS COMPONENTS

HIGH HEAD SAFETY INJECTION LOOP B INSIDE CTMT

ZONE NUMBER: 3-041

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	CATEGORY ITEM NO	EXAM METHOD	PROCEDURE	A E I O E T C G M R	**CALIBRATION BLOCK**
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(REF. DWG. NO. 5613-P-584-S SH. 1)

141800	PS-III	F-A	VT-3	4.3-13	C X - - -	10/5/2001 - VT3 Complete
	DOUBLE ACTING	F1.10				
	RESTRAINT					

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 1 PCBEAO STATUS COMPONENTS

HIGH HEAD SAFETY INJECTION LOOP A INSIDE CTMT

ZONE NUMBER: 3-043

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(REF. DWG. NO. 5613-P-764-S SH. 2)

152400	8080-H-010-06	F-A	VT-3	4.3-3	C X	-	-	-	10/3/2001 - VT3 Complete
	DOUBLE ACTING	F1.10							
	RESTRAINT								

153400	8080-H-010-14	F-A	VT-3	4.3-4	C X	-	-	-	10/3/2001 - VT3 Complete
	SPRING HANGER	F1.10							

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 1 PCBEAO STATUS COMPONENTS

CHEMICAL AND VOLUME CONTROL TO REGENERATIVE HX

ZONE NUMBER: 3-047

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	CATEGORY ITEM NO	EXAM METHOD	PROCEDURE						
(REF. DWG. NO. 5613-P-594-S SH. 1)										
171400	3-VCH-28 DOUBLE ACTING RESTRAINT	F-A F1.10	VT-3	4.3-10	C X	-	-	-	10/4/2001 - VT3 Complete	

171600	3-VCH-29 DOUBLE ACTING RESTRAINT		VT-3	4.3-17	C X	-	-	-	10/8/2001 - VT3 Complete	

171800	3-VCH-31 DOUBLE ACTING RESTRAINT	F-A F1.10	VT-3	4.3-18	C X	-	-	-	10/8/2001 - VT3 Complete	

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TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 1 PCBEAO STATUS COMPONENTS

CHEMICAL & VOLUME CONTROL FROM RC LOOP B COLD LEG

ZONE NUMBER: 3-048

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(REF. DWG. NO. 5613-P-653-S SH. 1)

175000	FSK-M-146	F-A	VT-3	4.3-6	C X - - -	10/4/2001 - VT3 Complete
	DOUBLE ACTING	F1.10				
	RESTRAINT					

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 1 PCBEAO STATUS COMPONENTS

CHEMICAL & VOLUME CONTROL SEAL INJECTION LOOP A

ZONE NUMBER: 3-050

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	CATEGORY ITEM NO	EXAM METHOD	PROCEDURE	REMARKS
CALIBRATION BLOCK					

(REF. DWG. NO. NEW)

181140	1"-CH-1351-1 RCP 3P-200A TO PIPE	R-A R1.12	VT-2	4.2-2	C X - - - 9/30/01 - VT2 Complete
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181148	3/4"-CH-1357-2 1" x 3/4" REDUCER TO PIPE	R-A R1.12	VT-2	4.2-2	C X - - - 9/30/01 - VT2 Complete
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181190	1"-CH-1348-3 REDUCER TO FLANGE	R-A R1.12	VT-2	4.2-2	C X - - - 9/30/01 - VT2 Complete
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181192	1"-CH-1354-1 FLANGE TO 1" x 3/4" REDUCER	R-A R1.12	VT-2	4.2-2	C X - - - 9/30/01 - VT2 Complete
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(REF. DWG. NO. 5613-P-647-S SH. 2)

181300	1.5"-CH-1301-FB1 PIPING FLANGE BOLTING	B-G-2 B7.70	VT-1	4.1-1	C X - - - 10/3/2001 - VT1 Complete.
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181900	2"-CH-1303-FB2 PIPING FLANGE BOLTING	B-G-2 B7.70	VT-1	4.1-2	C X - - - 10/3/2001 - VT1 Complete
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182400	H-5 DOUBLE ACTING RESTRAINT	F-A F1.10	VT-3	4.3-5	C X - - - 10/3/2001 - VT3 Complete
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DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 1 PCBEAO STATUS COMPONENTS

CHEMICAL & VOLUME CONTROL SEAL INJECTION LOOP C

ZONE NUMBER: 3-051

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(REF. DWG. NO. NEW)

182800	1"-CH-1353-1 RCP 3P-200C TO PIPE	R-A R1.12	VT-2	4.2-3	C X - - -	9/30/01 - VT2 Complete
182809	3/4"-CH-1359-6 ELBOW TO PIPE	R-A R1.12	VT-2	4.2-3	C X - - -	9/30/01 - VT2 Complete
182820	1"-CH-1350-3 REDUCER TO FLANGE	R-A R1.12	VT-2	4.2-3	C - - - -	9/30/01 - VT2 Complete
182825	3/4"-CH-1356-5 PIPE TO ELBOW	R-A R1.12	VT-2	4.2-3	C X - - -	9/30/01 - VT2 Complete
182836	3/4"-CH-1341A-2 CONNECTION TO PIPE	R-A R1.12	VT-2	4.2-3	C X - - -	9/30/01 - VT2 Complete
182838	3/4"-CH-1341B-1 FLANGE TO PIPE	R-A R1.12	VT-2	4.2-3	C X - - -	9/30/01 - VT2 Complete
182854	3/4"-CH-1344-5 VALVE 3-304L TO PIPE	R-A R1.12	VT-2	4.2-3	C X - - -	9/30/01 - VT2 Complete

DATE: 12/17/2001
REVISION: 0

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)
CLASS 1 PCBEAO STATUS COMPONENTS

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CHEMICAL & VOLUME CONTROL SEAL INJECTION LOOP B

ZONE NUMBER: 3-052

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	CATEGORY ITEM NO	EXAM METHOD	PROCEDURE	T A E T	R E I C	S I G	E O M	H E R	REMARKS **CALIBRATION BLOCK**
(REF. DWG. NO. NEW)										
185798	1"-CH-1352-1 RCP 3P-200B TO PIPE	R-A R1.12	VT-2	4.2-4	C	X	-	-	-	9/30/01 - VT2 Complete

185805	3/4"-CH-1358-4 ELBOW TO PIPE	R-A R1.12	VT-2	4.2-4	C	X	-	-	-	9/30/01 - VT2 Complete

185819	1"-CH-1349-2 PIPE TO REDUCER	R-A R1.12	VT-2	4.2-4	C	X	-	-	-	9/30/01 - VT2 Complete

185824	3/4"-CH-1355-3 PIPE TO ELBOW	R-A R1.12	VT-2	4.2-4	C	X	-	-	-	9/30/01 - VT2 Complete

DATE: 12/17/2001
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TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)
CLASS 1 PCBEAO STATUS COMPONENTS

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REACTOR COOLANT PUMP A

ZONE NUMBER: 3-056

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	EXAM METHOD	PROCEDURE	N I O S O N G T T R S E H A E I O E T C G M R	REMARKS **CALIBRATION BLOCK**
(REF. DWG. NO. 5613-M-4006)						
201300	3-RCP-FSA-1 THRU 24 FLANGE STUDS	B-G-1 B6.180	UT 0	5.8-1	C X - - - - - - -	10/5/2001 - UT Complete **UT-18**

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 1 PCBEAO STATUS COMPONENTS

CHEMICAL & VOLUME CONTROL, REGENERATIVE HEAT EXCH

ZONE NUMBER: 3-059

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T C G M R

(REF. DWG. NO. 5613-M-4009)

204100	RGX 3E200	VT-2	4.2-5	C X - - -	9/29/2001 - VT3 Complete
	VISUAL FOR LEAKAGE	VT-3	4.3-34	X - - -	

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 2 PCBEAO STATUS COMPONENTS

STEAM GENERATOR A SECONDARY SIDE

ZONE NUMBER: 3-060

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T C G M R

(REF. DWG. NO. 5613-M-4003)

210500 3-SGA-SS

VT

4.4-1

O X - - -

10/11/01 - Exam Complete

SECONDARY SIDE

EXAMINATION

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TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 2 PCBEAO STATUS COMPONENTS

RESIDUAL HEAT REMOVAL TO RESID. HEAT REMOVAL PUMP A

ZONE NUMBER: 3-063

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T C G M R

(REF. DWG. NO. 5613-P-600-S SH. 1)

216800	3-ACH-12	F-A	VT-3	4.3-20	C X - - -	9/18/2001 - VT3 Complete
	SPRING HANGER	F1.20				

DATE: 12/17/2001
REVISION: 0

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)
CLASS 2 PCBEAO STATUS COMPONENTS

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RESIDUAL HEAT REMOVAL DISCHARGE OUTSIDE CTMT

ZONE NUMBER: 3-068

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	CATEGORY ITEM NO	EXAM METHOD	PROCEDURE						REMARKS **CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-602-S SH. 3)										
227400	12"-RHR-2301-10	C-F-1	PT	3.3-9	C X	-	-	-		9/28/2001 - PT Complete
	ELBOW TO FLANGE	C5.11	UT	5.4-4	-	-	-	-		9/28/2001 - UT Complete
			45S-CIR-2		X	-	-	-		**UT-35**
			60S-AX-5.		-	-	X	-		
			70S-AX-2.		-	-	X	-		

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 2 PCBEAO STATUS COMPONENTS

RESIDUAL HEAT REMOVAL INSIDE & OUTSIDE CONTAINMENT

ZONE NUMBER: 3-069

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(REF. DWG. NO. 5613-P-602-S SH. 2)

232190	12"-RHR-2302-24LU	C-F-1	PT	3.3-7	C X	-	-	-	9/29/2001 - PT Complete
	LONGITUDINAL SEAM WELD C5.12		UT	5.4	-	-	-	-	9/29/2001 - UT Complete
	UPSTREAM		45S-CIR-5		-	-	X	-	**UT-35**
			45S-AX-5.		-	-	X	-	
			70S-AX-2.		X	-	-	-	

232200	12"-RHR-2302-24	C-F-1	PT	3.3-7	C X	-	-	-	9/29/2001 - PT Complete
	PIPE TO ELBOW	C5.11	UT	5.4	-	-	-	-	9/29/2001 - UT Complete
			45S-CIR-5		-	-	X	-	**UT-35**
			45S-AX-5.		-	-	X	-	
			70S-AX-2.		X	-	-	-	

DATE: 12/17/2001
REVISION: 0

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)
CLASS 2 PCBEAO STATUS COMPONENTS

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RESIDUAL HEAT REMOVAL HEAT EXCHANGER A DISCHARGE

ZONE NUMBER: 3-072

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	CATEGORY ITEM NO	EXAM METHOD	PROCEDURE							REMARKS **CALIBRATION BLOCK**
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(REF. DWG. NO. 5613-P-602-S SH. 1)

239900	3-ACH-29 DOUBLE ACTING RESTRAINT	F-A F1.20	VT-3	4.3-31	C X	-	-	-	9/18/2001	-	VT3 Complete
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CLASS 2 PCBEAO STATUS COMPONENTS

ZONE NUMBER: 3-077

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SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	CATEGORY ITEM NO	EXAM METHOD
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PROCEDURE

(REF. DWG. NO. 5613-P-599-S SH. 2)

248900	3-SIH-118	F-A	VT-3	4.3-25	C X	-	-	-	8/22/2001 - VT3 Complete
	DOUBLE ACTING	F1.20							
	RESTRAINT								

249100	3-SIH-119	F-A	VT-3	4.3-26	C X - - -	8/22/2001 - VT3 Complete
	DOUBLE ACTING	F1.20				
	RESTRAINT					

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TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 2 PCBEAO STATUS COMPONENTS

SAFETY INJECTION SYSTEM OUTSIDE CONTAINMENT

ZONE NUMBER: 3-088

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(REF. DWG. NO. 5613-P-599-S SH. 1)

264500	3-PRWH-5	F-A	VT-3	4.3-2	C - X - -	9/4/2001 - VT3 Complete. RI -
	DOUBLE ACTING	F1.20		CR# 01-1680	- - - -	Heavy corrosion of support load
	RESTRAINT					pins and spherical bearing.
						Frozen spherical bearings.

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 2 PCBEAO STATUS COMPONENTS

CONTAINMENT SPRAY PUMP A DISCHARGE

ZONE NUMBER: 3-093

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T C G M R

(REF. DWG. NO. 5613-P-581-S SH. 1)

277900	SR-165	F-A	VT-3	4.3-22	C X - - -	7/24/2001 - VT3 Complete
	SPRING HANGER	F1.20				

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TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 2 PCBEAO STATUS COMPONENTS

HIGH HEAD SAFETY INJECTION OUTSIDE CONTAINMENT

ZONE NUMBER: 3-095

ZONE NUMBER: 3-095		ASME		S O N G T T R S E H A E I O E T C G M R				REMARKS	
SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	SEC. XI CATEGORY ITEM NO	EXAM METHOD	PROCEDURE					**CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-597-S SH. 2)									
288380	3-SIH-64 DOUBLE ACTING RESTRAINT	F-A F1.20	VT-3	4.3-35	C X	-	-	-	7/24/2001 - VT3 Complete

288500	4"-SI-2303-28 ELBOW TO PIPE	C-F-1 C5.21	PT UT 45S-CIR-5 60S-AX-5.	3.3-10 5.4-2	C X	-	-	-	10/1/2001 - PT Complete 10/2/2001 - UT Complete **UT- 56**

288503	3-SIH-139 DOUBLE ACTING RESTRAINT	F-A F1.20	VT-3	4.3-37	C X	-	-	-	7/24/2001 - VT3 Complete

(REF. DWG. NO. 5613-P-823-S SH. 2)									
288587	4"-SI-2303-49 PIPE TO VALVE MOV-3-843B	C-F-1 C5.21	PT UT 45S-CIR-5 60S-AX-5. 70S-AX-2.	3.3-8 5.4-1	C X	-	-	-	10/1/2001 - PT Complete. Limitation of .25" x .70" due to hanger interference. 10/5/01 - UT Complete. Limitation due to lug (.75" x 3.25") **UT- 56**

288708	2"-SI-2306-1 BRANCH CONNECTION TO PIPE	C-F-1 C5.30	PT	3.3-6	C X	-	-	-	10/1/2001 - PT Complete

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 2 PCBEAO STATUS COMPONENTS

HIGH PRESSURE SAFETY INJECTION OUTSIDE CONTAINMENT

ZONE NUMBER: 3-096

ZONE NUMBER: 3-096		ASME		S O N G T T R S E H A E I O E T C G M R				REMARKS	
SUMMARY	EXAMINATION AREA	SEC. XI	CATEGORY	EXAM					
NUMBER	IDENTIFICATION	ITEM NO	METHOD						**CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-597-S SH. 3)									
289003	3"-SI-2301-1	C-F-1	PT	3.3-5	C	-	-	-	10/3/2001 - PT Complete
	FLANGE TO ELBOW	C5.21	UT	5.4-6	-	-	-	-	10/3/2001 - UT Complete **UT-
			45S-CIR-5	X	-	-	-	57**	
			60S-AX-5.	X	-	-	-		
			70S-AX-2.	X	-	-	-		
289015	3"-SI-2301-4	C-F-1	PT	3.3-5	C X	-	-	-	10/3/2001 - PT Complete
	PIPE TO VALVE 3-879A	C5.21	UT	5.4-6	-	-	-	-	10/3/2001 - UT Complete **UT-
			45S-CIR-5	X	-	-	-	57**	
			60S-AX-5.	X	-	-	-		
			70S-AX-2.	X	-	-	-		
289048	3-SIH-66	F-A	VT-3	4.3-36	C X	-	-	-	7/24/2001 - VT3 Complete
	DOUBLE ACTING RESTRAINT	F1.20							
289051	3"-SI-2301-13	C-F-1	PT	3.3-3	C X	-	-	-	10/3/2001 - PT Complete
	PIPE TO REDUCER	C5.21	UT	5.4-6	-	-	-	-	10/3/2001 - UT Complete **UT-
			45S-CIR-5	X	-	-	-	57**	
			60S-AX-5.	X	-	-	-		
289135	4"-SI-2302-10	C-F-1	PT	3.3-3	C X	-	-	-	10/3/2001 - PT Complete
	REDUCER TO TEE	C5.21	UT	5.4-5	-	-	-	-	10/4/2001 - UT Complete **UT-
			45S-CIR-5	X	-	-	-	56**	
			60S-AX-5.	X	-	-	-		
			70S-AX-2.	X	-	-	-		
289144	4"-SI-2302-13	C-F-1	PT	3.3-3	C X	-	-	-	10/3/2001 - PT Complete
	ELBOW TO PIPE	C5.21	UT	5.4-5	-	-	-	-	10/4/2001 - UT Complete **UT-
			45S-CIR-5	X	-	-	-	56**	
			60S-AX-5.	X	-	-	-		
			70S-AX-2.	X	-	-	-		

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 2 PCBEAO STATUS COMPONENTS

HIGH PRESSURE SAFETY INJECTION OUTSIDE CONTAINMENT

ZONE NUMBER: 3-096

ASME

N I O

SEC. XI

S O N G T

CATEGORY

T R S E H

ITEM NO

A E I O E

SUMMARY
NUMBEREXAMINATION AREA
IDENTIFICATIONEXAM
METHOD

PROCEDURE

REMARKS

CALIBRATION BLOCK

(REF. DWG. NO. 5613-P-597-S SH. 3)

289147	4"-SI-2302-14	C-F-1	PT	3.3-3	C X	-	-	-	10/3/2001 - PT Complete
	PIPE TO TEE	C5.21	UT	5.4-5	-	-	-	-	10/4/2001 - UT Complete **UT-
			45S-CIR-5		X	-	-	-	56**
			60S-AX-5.		X	-	-	-	
			70S-AX-2.		X	-	-	-	

(REF. DWG. NO. 5613-P-5023 SH. 2)

289189	2"-SI-2302-1	C-F-1	PT	3.3-2	C X	-	-	-	10/3/2001 - PT Complete
	2" BRANCH CONNECTION	C5.41							

289192	2"-SI-2302-2	C-F-1	PT	3.3-2	C X	-	-	-	10/3/2001 - PT Complete
	SOCKOLET TO PIPE	C5.30							

(REF. DWG. NO. 5613-P-597-S SH. 1)

289370	3"-SI-2303-21	C-F-1	PT	3.3-1	C X	-	-	-	10/1/2001 - PT Complete
	PIPE TO ELBOW	C5.21	UT	5.4-3	-	-	-	-	10/2/2001 - UT Complete **UT-
			45S-CIR-5		X	-	-	-	57**
			60S-AX-5.		-	-	X	-	

289382	3"-SI-2303-23	C-F-1	PT	3.3-1	C X	-	-	-	10/1/2001 - PT Complete
	ELBOW TO VALVE	C5.21	UT	5.4-3	-	-	-	-	10/2/2001 - UT Complete **UT-
	MOV-3-869		45S-CIR-5		X	-	-	-	57**
			60S-AX-5.		X	-	-	-	
			70S-AX-2.		X	-	-	-	

289385	3"-SI-2303-24	C-F-1	PT	3.3-1	C X	-	-	-	10/1/2001 - PT Complete
	VALVE MOV-3-869 TO	C5.21	UT	5.4-3	-	-	-	-	10/2/2001 - UT Complete **UT-
	PIPE		45S-CIR-5		X	-	-	-	57**
			60S-AX-5.		X	-	-	-	
			70S-AX-2.		X	-	-	-	

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TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 2 PCBEAO STATUS COMPONENTS

HIGH PRESSURE SAFETY INJECTION OUTSIDE CONTAINMENT

ZONE NUMBER: 3-096

ASME

SEC. XI

CATEGORY

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EXAM

METHOD

PROCEDURE

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A	E	I	O	E
T	C	G	M	R

REMARKS

****CALIBRATION BLOCK****

(REF. DWG. NO. 5613-P-597-S SH. 1)

289397	3"-SI-2303-28	C-F-1	PT	3.3-1	C X	-	-	-	10/1/2001 - PT Complete
	ELBOW TO PIPE	C5.21	UT	5.4	-	-	-	-	10/2/2001 - UT Complete **UT-
			45S-CIR-5		X	-	-	-	57**
			60S-AX-5.		X	-	-	-	

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

289451	2"-SI-2304-10	C-F-1	PT	3.3-4	C X - - -	10/5/2001 - PT Complete
	PIPE TO VALVE	C5.30				
	MOV-3-866B					

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 2 PCBEAO STATUS COMPONENTS

MAIN FEEDWATER SYSTEM LOOP A

ZONE NUMBER: 3-109

ASME

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

SEC. XI

REMARKS

SUMMARY EXAMINATION AREA CATEGORY EXAM
NUMBER IDENTIFICATION ITEM NO METHOD

PROCEDURE

CALIBRATION BLOCK

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

330500	AUGMENTED EXAMINATION	AUG	UT	5.16-1	A	-	-	-	-	10/8/2001 - UT Complete **UT-20,
	FROM NOZZLE RAMP TO 1		60S-AX-2.		-	-	X	-		UT-29**
	DIAMETER ON ELBOW		60S-AX-5.		-	-	X	-		
			70S-AX-2.		-	-	X	-		
			70S-AX-5.		-	-	X	-		

DATE: 12/17/2001
REVISION: 0

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)
CLASS 2 PCBEAO STATUS COMPONENTS

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MAIN FEEDWATER SYSTEM LOOP B

ZONE NUMBER: 3-110

ZONE NUMBER: 3-110		ASME		N I O				
		SEC. XI		S O N G T				
SUMMARY	EXAMINATION AREA	CATEGORY	EXAM	T R S E H				REMARKS
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E	**CALIBRATION BLOCK**		
					T C G M R			
(REF. DWG. NO. 5613-P-652-S SH. 1)								
333800	AUGMENTED EXAMINATION	AUG	UT	5.16-2	A - - -	10/7/2001 - UT Complete **UT-20,		
	FROM NOZZLE RAMP TO 1		60S-AX-2.		- - X -	UT-29**		
			60S-AX-5.		- - X -			
	DIAMETER ON ELBOW		70S-AX-2.		- - X -			
			60S-AX-5.		- - X -			

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 2 PCBEAO STATUS COMPONENTS

MAIN FEEDWATER SYSTEM LOOP C

ZONE NUMBER: 3-111

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATEGORY ITEM NO	EXAM METHOD	PROCEDURE	N I O S O N G T T R S E H A E I O E T C G M R				REMARKS **CALIBRATION BLOCK**
(REF. DWG. NO. 5613-P-817-S SH. 3)									
334100	7883-H-013-11 DOUBLE ACTING RESTRAINT	F-A F1.20	VT-3	4.3-16 CR# 01-1934	C -	X -	- -	- -	10/7/2001 - VT3 Complete. RI - Corrosion and paint on upper and lower bearings. Spherical bearing is frozen.

(REF. DWG. NO. 5613-P-178-S SH. 1)

338100	18"-FWC-2305-24	C-F-2	MT	2.2-1	C X	- -	- -	- -	10/7/2001 - MT Complete
	NOZZLE EXTENSION TO	C5.51	UT	5.2-1	-	- -	- -	- -	10/9/2001 - UT Complete
	NOZZLE		45S-CIR-2		X	- -	- -	- -	**UT-10**
			45S-AX-2.		-	- X	- -	- -	
			60S-AX-2.		X	- -	- -	- -	

338200	AUGMENTED EXAMINATION AUG		UT	5.16-3	A -	- -	- -	- -	10/9/2001 - UT Complete **UT-20,
	FROM NOZZLE RAMP TO 1		60S-AX-2.		-	- X	- -	- -	UT-29**
	DIAMETER ON ELBOW		60S-AX-5.		-	- X	- -	- -	
			70S-AX-2.		-	- X	- -	- -	
			70S-AX-5.		-	- X	- -	- -	

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 2 PCBEAO STATUS COMPONENTS

MAIN FEEDWATER BYPASS LOOP C

ZONE NUMBER: 3-114

ASME

N I O

SEC. XI

S O N G T

SUMMARY

EXAMINATION AREA

CATEGORY

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CALIBRATION BLOCK

T C G M R

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

340600	7883-H-013-12	F-A	VT-3	4.3-19	C X - - -	10/7/2001 - VT3 Complete
	DOUBLE ACTING	F1.20				
	RESTRAINT					

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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REVISION: 0

INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 3 PCBEAO STATUS COMPONENTS

COMPONENT COOLING WATER SYSTEM FROM CCW PUMP C

ZONE NUMBER: 3-120

ASME

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

SEC. XI

REMARKS

SUMMARY EXAMINATION AREA CATEGORY EXAM
NUMBER IDENTIFICATION ITEM NO METHOD

PROCEDURE

CALIBRATION BLOCK

(REF. DWG. NO. 5613-P-596-S SH. 1)

345850 CCW HT EXCH 3E207C F-A VT-3 4.3-30 C X - - - 8/7/2001 - VT3 Complete
HEAT EXCHANGER SUPPORT F1.40

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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REVISION: 0

INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 3 PCBEAO STATUS COMPONENTS

COMPONENT COOLING WATER TO NORMAL CONT.COOLERS A&B

ZONE NUMBER: 3-130

ASME

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

SEC. XI

REMARKS

SUMMARY
NUMBEREXAMINATION AREA
IDENTIFICATIONCATEGORY
ITEM NOEXAM
METHOD

PROCEDURE

CALIBRATION BLOCK

(REF. DWG. NO. 5613-P-631-S SH. 1)

352100	281-3 DOUBLE ACTING RESTRAINT	F-A F1.30	VT-3	4.3-12	C X - - -	10/5/2001 - VT3 Complete
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352110	281-3 IA INTEGRAL ATTACHMENT	D-A D1.20	VT-1	4.1-4	C X - - -	10/6/2001 - VT1 Complete
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352120	NORMAL CTMT COOLER COOLER SUPPORT	F-A F1.40	VT-3	4.3-15	C X - - -	10/5/2001 - VT3 Complete
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DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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REVISION: 0

INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 3 PCBEAO STATUS COMPONENTS

COMPONENT COOLING WATER TO EMERGENCY CONT.COOLER B

ZONE NUMBER: 3-133

ASME

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

SEC. XI

REMARKS

SUMMARY
NUMBER

EXAMINATION AREA
IDENTIFICATION

CATEGORY
ITEM NO

EXAM
METHOD

PROCEDURE

CALIBRATION BLOCK

(REF. DWG. NO. 5613-P-593-S SH. 1)

353950 EMERGENCY CTMT COOLER F-A VT-3 4.3-14 C X - - - 10/5/2001 - VT3 Complete
COOLER SUPPORT F1.40

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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REVISION: 0

INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 3 PCBEAO STATUS COMPONENTS

COMPONENT COOLING WATER TO BORIC ACID EVAPORATOR

ZONE NUMBER: 3-135

ASME

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

SEC. XI

REMARKS

SUMMARY EXAMINATION AREA CATEGORY EXAM
NUMBER IDENTIFICATION ITEM NO METHOD

PROCEDURE

CALIBRATION BLOCK

(REF. DWG. NO. 5610-P-625-S SH. 1)

355200	3-BAH-7	F-A	VT-3	4.3-21	C X - - -	8/21/2001 - VT3 Complete
	SPRING HANGER	F1.30				

355310	3-BAH-7 IA	D-A	VT-1	4.1-8	C X - - -	8/21/2001 - VT1 Complete
	INTEGRAL ATTACHMENT	D1.20				

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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REVISION: 0

INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 3 PCBEAO STATUS COMPONENTS

COMPONENT COOLING WATER TO SEAL WATER & NON-REG.HX

ZONE NUMBER: 3-141

ASME

SEC. XI

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

REMARKS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	CATEGORY ITEM NO	EXAM METHOD	PROCEDURE						REMARKS
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CALIBRATION BLOCK

(REF. DWG. NO. 5613-P-623-S SH. 2)

358150	NON-REGEN HT EXCH 3E20 F-A HEAT EXCHANGER SUPPORT F1.40	VT-3	4.3-27	C X - - -	9/4/2001 - VT3 Complete
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DATE: 12/17/2001
REVISION: 0

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)
CLASS 3 PCBEAO STATUS COMPONENTS

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COMPONENT COOLING WATER SYSTEM OUTSIDE CONTAINMENT

ZONE NUMBER: 3-142

ASME
SEC. XI

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

SUMMARY EXAMINATION AREA CATEGORY EXAM
NUMBER IDENTIFICATION ITEM NO METHOD

PROCEDURE

REMARKS

CALIBRATION BLOCK

(REF. DWG. NO. 5613-P-604-S SH. 4)

358600 SR-313 F-A VT-3 4.3-28 C X - - - 8/7/2001 - VT3 Complete
ANCHOR F1.30

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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REVISION: 0

INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 3 PCBEAO STATUS COMPONENTS

COMPONENT COOLING WATER SYSTEM OUTSIDE CONTAINMENT

ZONE NUMBER: 3-145

ASME

N I O

SEC. XI

S O N G T

SUMMARY EXAMINATION AREA

CATEGORY

EXAM

T R S E H

REMARKS

NUMBER IDENTIFICATION

ITEM NO

METHOD

PROCEDURE

A E I O E

CALIBRATION BLOCK

T C G M R

(REF. DWG. NO. 5613-P-604-S SH. 6)

360700	3-ARH-124	F-A	VT-3	4.3-24	C X	-	-	-	8/21/2001 - VT3 Complete
	SINGLE ACTING	F1.30							
	RESTRAINT								

360710	3-ARH-124 IA	D-A	VT-1	4.1-5	C X	-	-	-	8/21/2001 - VT1 Complete
	INTEGRAL ATTACHMENT	D1.20							

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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REVISION: 0

INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 3 PCBEAO STATUS COMPONENTS

COMPONENT COOLING WATER TO RESIDUAL HX B

ZONE NUMBER: 3-146

ASME

N I O

SEC. XI

S O N G T

SUMMARY	EXAMINATION AREA	CATEGORY	EXAM
NUMBER	IDENTIFICATION	ITEM NO	METHOD

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

REMARKS

CALIBRATION BLOCK

PROCEDURE

(REF. DWG. NO. 5613-P-604-S SH. 1)

361200	SR-314	F-A	VT-3	4.3-23	C X - - -	9/24/2001 - VT3 Complete
	ANCHOR	F1.30				

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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REVISION: 0

INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 3 PCBEAO STATUS COMPONENTS

AUXILIARY FEEDWATER PUMP SUCTION FROM COND.STG.TK.

ZONE NUMBER: 3-164

ASME

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

SEC. XI

REMARKS

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	CATEGORY ITEM NO	EXAM METHOD	PROCEDURE					REMARKS **CALIBRATION BLOCK**
	(REF. DWG. NO. 5610-P-818-S	SH. 1)							
376800	80117-H-340-06 DOUBLE ACTING RESTRAINT	F-A F1.30	VT-3	4.3-29	C X	-	-	-	7/24/2001 - VT3 Complete
376850	80117-H-340-06 IA INTEGRAL ATTACHMENT	D-A D1.20	VT-1	4.1-6	C X	-	-	-	7/24/2001 - VT1 Complete

DATE: 12/17/2001

TURKEY POINT NUCLEAR PLANT UNIT 3

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INSERVICE INSPECTION SUMMARY

THIRD INTERVAL, THIRD PERIOD, FIRST OUTAGE (01RF)

CLASS 3 PCBEAO STATUS COMPONENTS

INTAKE COOLING WATER TO CCW HEAT EXCHANGERS

ZONE NUMBER: 3-168

ASME

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

SEC. XI

REMARKS

SUMMARY EXAMINATION AREA CATEGORY EXAM
NUMBER IDENTIFICATION ITEM NO METHOD

PROCEDURE

CALIBRATION BLOCK

(REF. DWG. NO. 5613-P-633-S SH. 2)

378200	STRAINER A	F-A	VT-3	4.3-1	C - X - -	7/31/2001 - VT3 Complete. RI-
	WELDED STANCHION	F1.40		CR# 01-1481	- - - -	50% of nut on base plate and 1
						1/4" of support beam is corroded
						at the bottom corner.

378205	STRAINER A IA	D-A	VT-1	4.1-7	C X - - -	8/7/2001 - VT1 Complete
	INTEGRAL ATTACHMENTS	D1.10				

**TURKEY POINT
UNIT 3**

2001 REFUELING OUTAGE

SUMMARY OF ILW EXAMINATIONS

PSC

Precision
Surveillance
Corporation

Main Title TURKEY POINT NUCLEAR PLANT UNITS 3 & 4 30TH YEAR
CONTAINMENT TENDON SURVEILLANCE

Sub-
Title

BY

WRITTEN BY: CHRISTOPHER COX

REVIEWED BY: PAUL C. SMITH

APPROVED BY: RONALD D. HOUGH, P.E.

ENGINEERING DEPARTMENT

ABSTRACT

Based upon the data gathered during the 2001 In-Service Inspection, the conclusion is reached that no abnormal degradation of the Post Tensioning System has occurred at the Turkey Point Unit 3 and Unit 4 Containment Buildings.

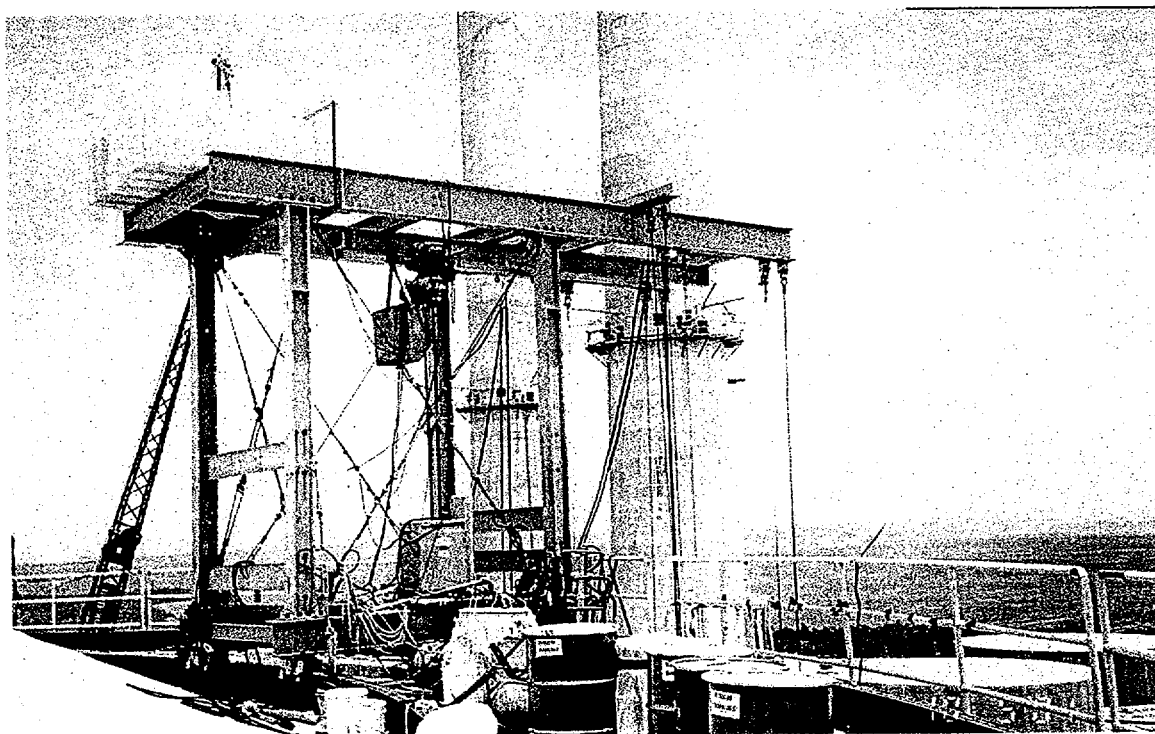
REVISION CONTROL LOG

Rev.	Revision Date	By	Approved By	Pages Affected
0	Dec	11/1/01	RDK	i-xv, 1-62, A3001-A3269, A4001-A4157, B3001-B3020, B4001-
0	Dec	11/7/01	RDK	B4015, C1-C268, D1-D18, E1-E20, F1-F334
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**FLORIDA POWER & LIGHT COMPANY
TURKEY POINT NUCLEAR PLANT - UNIT 3&4
30TH YEAR
CONTAINMENT TENDON SURVEILLANCE**



2001

**PRECISION SURVEILLANCE CORP.
3468 WATLING STREET
EAST CHICAGO, IN 46312
(219) 397-5826**





**FLORIDA POWER & LIGHT COMPANY
TURKEY POINT NUCLEAR PLANT - UNIT 3&4
30TH YEAR CONTAINMENT TENDON
SURVEILLANCE**



SUMMARY

The purpose of this report is to present the results of the 2001 Physical In-Service Tendon Inspection of Turkey Point's Unit 3 & 4 Containment Building post tensioning systems. The results of this investigation are discussed in detail in the body of this report and are summarized as follows:

1. The sheathing filler (grease) samples were tested and found to have acceptable levels of water soluble ions, (Chlorides, Nitrates, and Sulfides) and water content except 34V15 in Unit 3 which had a water content of 11.00%. A second sample tested had a water content of 16%, CR 01-0801, sup. 4 was written to record this finding. During detensioning this tendon was drained and refilled with new grease. In addition, 51H01 shop end in Unit 4 was found to have a chloride content of 15 ppm and a moisture content of 37% (see Cr 01-1441, sup.1). All neutralization numbers were above the IWL requirement of 0mg KOH/g and acceptable. No visible breakdown of the grease was noted either by color or consistency for all grease samples tested.
2. None of the surveillance tendons exhibited significant water either during removal of the grease can, or around the tendon anchorage except for 34V15 field end in Unit 3 (CR 01-0801, sup. 1) and 51H01 field end in Unit 4 (CR 01-1441) which had 80 ounces and 64 ounces respectively. However, two ends in Unit 3 had drops to less than half an ounce and three ends in Unit 4 also had drops to one ounce.
3. Acceptable corrosion levels were found to all tendon ends and no cracks were found on any anchorage components. Bearing plates to four tendon ends (three in Unit 3 and one in Unit 4) had corrosion levels of greater than five outside the gasket area where they had been subjected to water. CR 00-1434, sup. 1 and CR 01-1441 were written to address this issue. Cracks surrounding the bearing plates were within allowable tolerance of ≤ 0.010 " except on two tendon ends. Inspection of the cracks by the responsible engineer, the largest of which was 0.031" in width, deemed them not to be significant.
4. One additional protruding wire was found on 34V15 and one missing buttonhead on 2D18 field end in Unit 3 which were recorded in CR 01-0801. No additional broken, missing or protruding wires were found on any Unit 4 surveillance tendon.



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30TH YEAR CONTAINMENT TENDON
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SUMMARY

5. The hydraulic jacks used for liftoffs, detensioning and retensioning tendons, as well as the ram used for wire testing, were found to be in a properly calibrated status throughout the surveillance.
6. The tendon liftoffs were found to be above the expected lower limit in all cases.
7. All wire samples tested were found to be acceptable in diameter, yield strength and ultimate strength.
8. All detensioned tendons were retensioned with acceptable elongations after calculation and review, and all were restored to acceptable force levels.
9. All tendons were resealed and regreased accepting more grease than was removed. No tendon accepted greater than 10% of the tendon duct volume in Unit 3, however, three tendons accepted greater than 10% in Unit 4. NCR FN748-014 and CR 01-01801, SUP.3 were written to address the amount of grease placed into these tendons.
10. An IWL Inspection of the containment (under separate attached report) concluded that the containment concrete and reinforcing steel integrity have not been damaged or affected adversely from original construction to present date.
11. Two corroded tendon caps located in the inspection pits and subjected to standing water were replaced. 13H01 shop end in Unit 3 was replaced per CR 00-1434, sup. 1 and 51H01 shop end in Unit 4 was replaced per CR 01-1441.

Based on the data gathered during the 2001 Physical In-Service Inspection and reported herein, the conclusion is reached that no abnormal degradation of the Post Tensioning System has occurred at the Turkey Point Unit 3 & 4 Containment Buildings.



**FLORIDA POWER & LIGHT COMPANY
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INTRODUCTION

This report details the 30th Year Physical Tendon Surveillance of the Unit 3 & 4 Containment Structure Post Tensioning System at Florida Power and Light's Turkey Point Nuclear Plant. The Containment Building surveillance program is a systematic means of assessing the quality and structural performance of the post tensioning system. The thirtieth year tendon surveillance is the eighth in a series.

The tendon surveillance program consists of a periodic inspection of the physical condition of a selected group of tendons on one Unit while a visual inspection is performed on the other. This program provides confidence in the condition and functional capability of the system, and an opportunity for timely corrective measures if adverse conditions are detected. Physical tendon surveillance consists of sheathing filler inspection, anchorage inspection, tendon liftoff, inspection and tensile test of removed wire samples (for detensioned tendons) and tendon retensioning with the tendons being resealed after completion of all inspections.

The thirtieth year tendon surveillance began in February 2001 and was completed in August 2001. The surveillance was conducted in accordance with PSC Surveillance Manual, a copy of this manual is included in Section 9, Appendix F of this Surveillance Report.

A group of four vertical, eight horizontal and eight dome tendons were selected for the physical inspection on Unit 3 while a group of four vertical, five horizontal and six dome tendons for visual inspection on Unit 4. The tendon selection was performed by Turkey Point with one of each group of the physical inspections on Unit 3 selected for detensioning. Due to the inaccessibility of certain tendons because of safety concerns, relief was given to some of the original tendons chosen for inspection, when this takes place a substitute tendon is chosen. Please refer to PSC Procedure SQ 2.0 for full disclosure of the substitutions made for this surveillance.

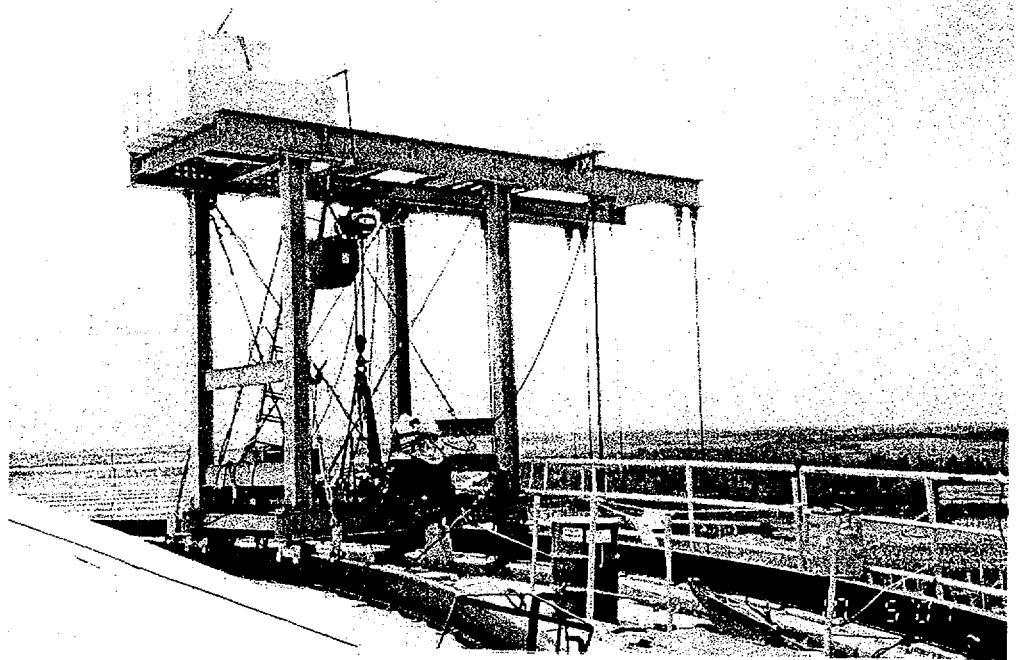


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TURKEY POINT NUCLEAR PLANT - UNIT 3&4
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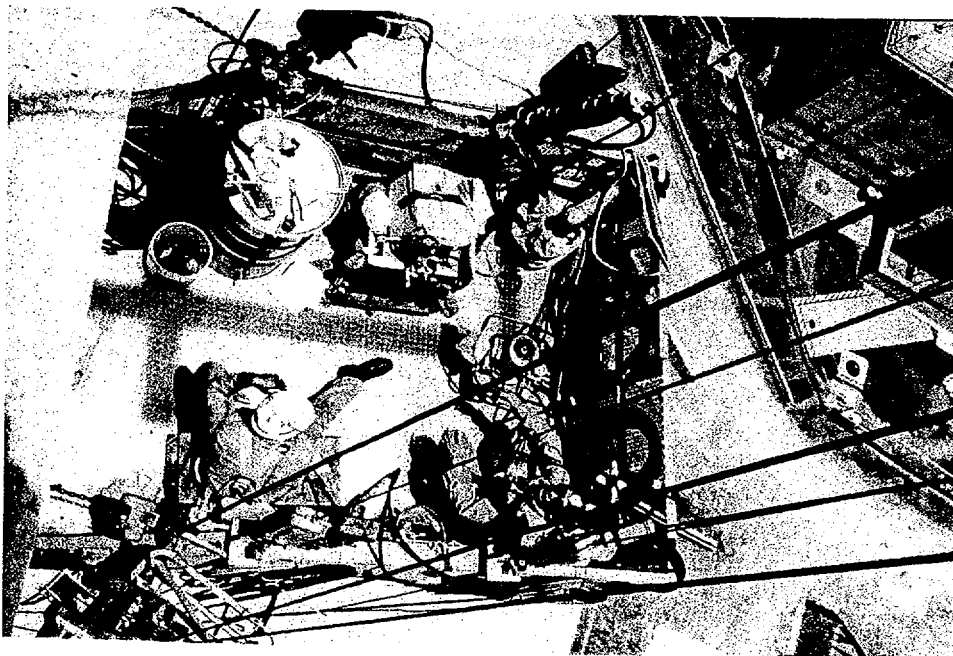


INTRODUCTION (continued)

The surveillance was conducted from February to August 2001 and included the steps as shown in the next few pages:



The surveillance was performed from access platforms suspended from steel support frames on top of the containment building.

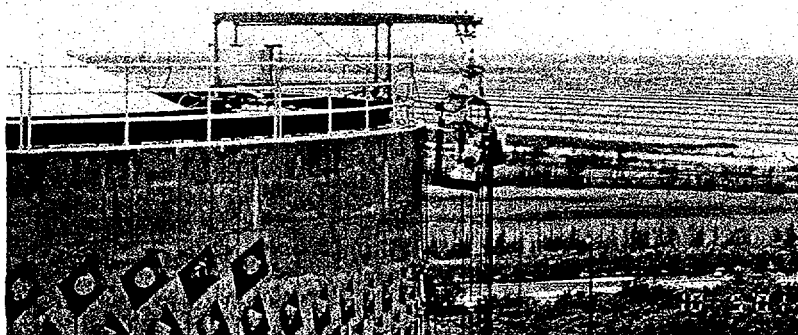
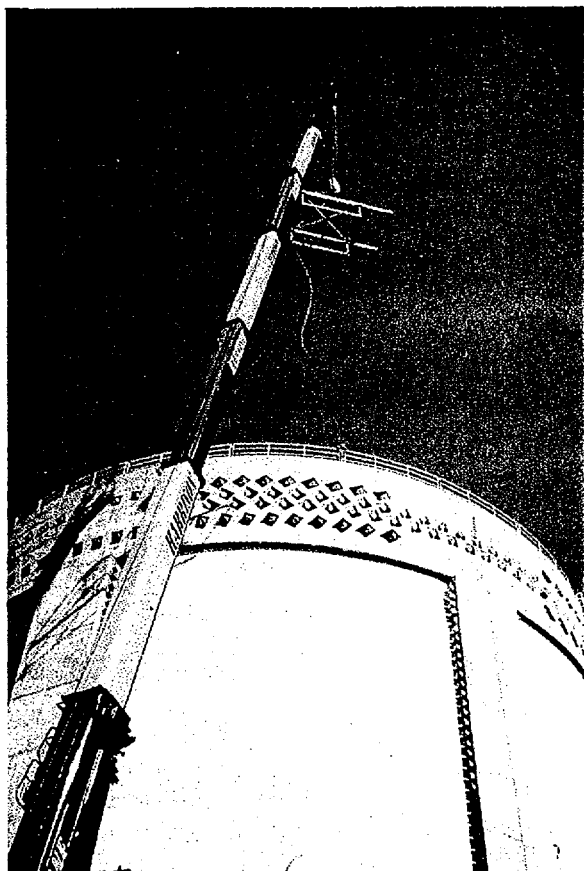




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INTRODUCTION (continued)



Unit 4 visual inspections were conducted from a smaller platform, also supported from a structural frame on top of the containment.

The top of the vertical tendons was accessed by removing the lean-mix concrete.

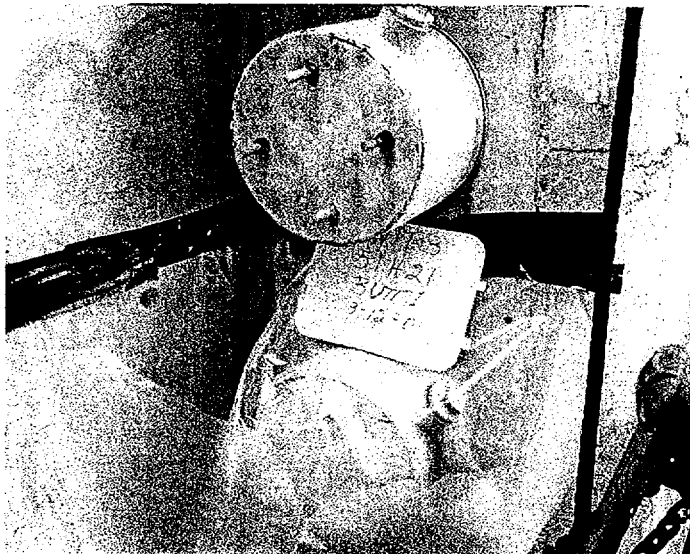




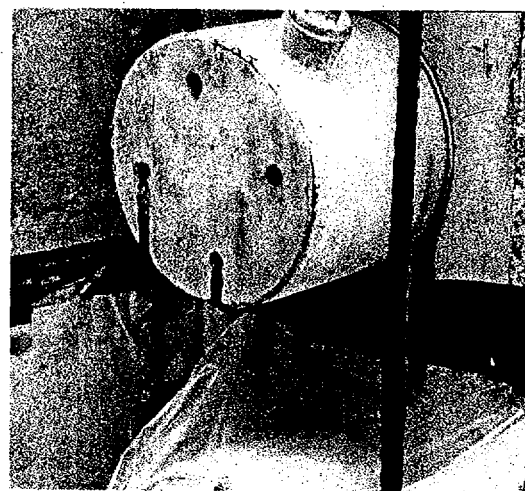
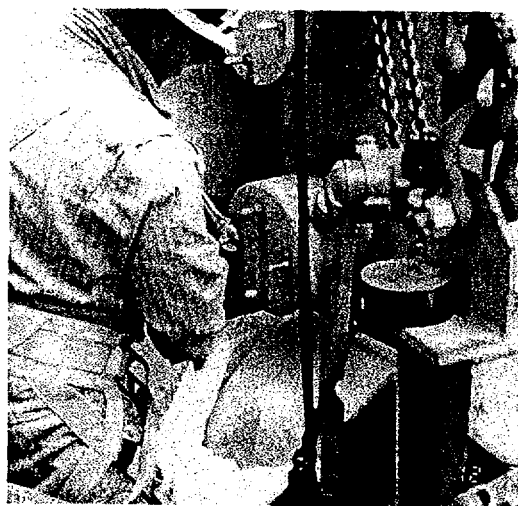
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INTRODUCTION (continued)



The wall adjacent to the tendon is covered in plastic and the can is removed. Care is taken to look for and catch any water that is present.



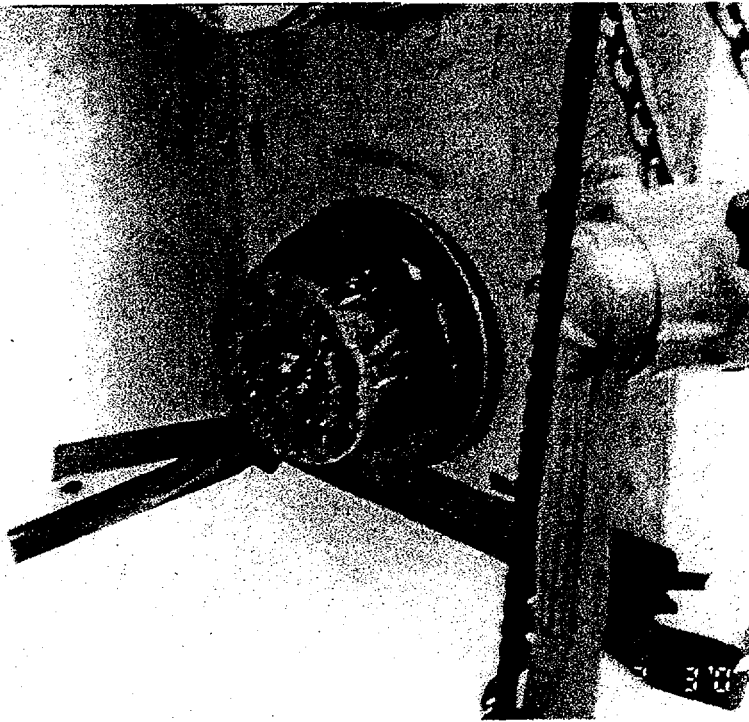
Grease color is observed and recorded.



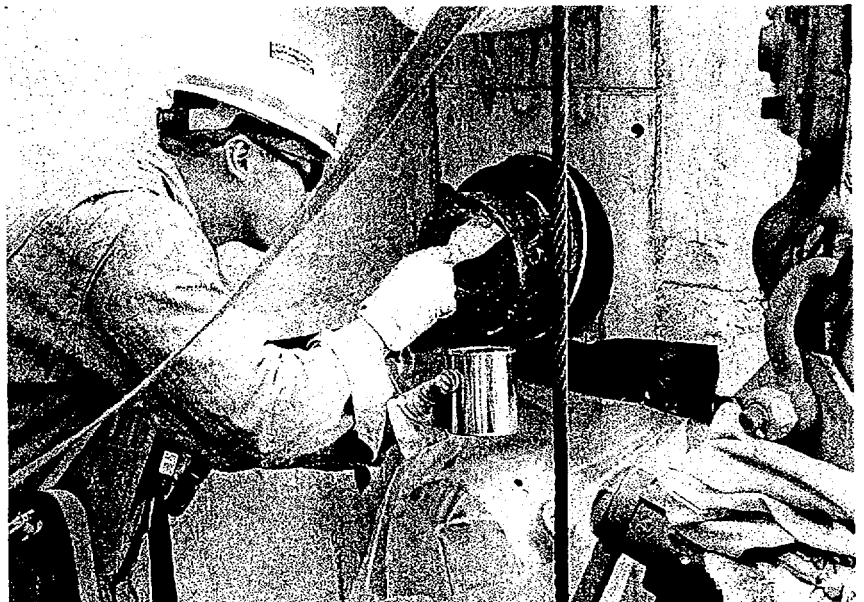
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INTRODUCTION (continued)



The grease cover is noted and recorded on data sheet SQ 6.0 after which grease samples are then taken for testing.



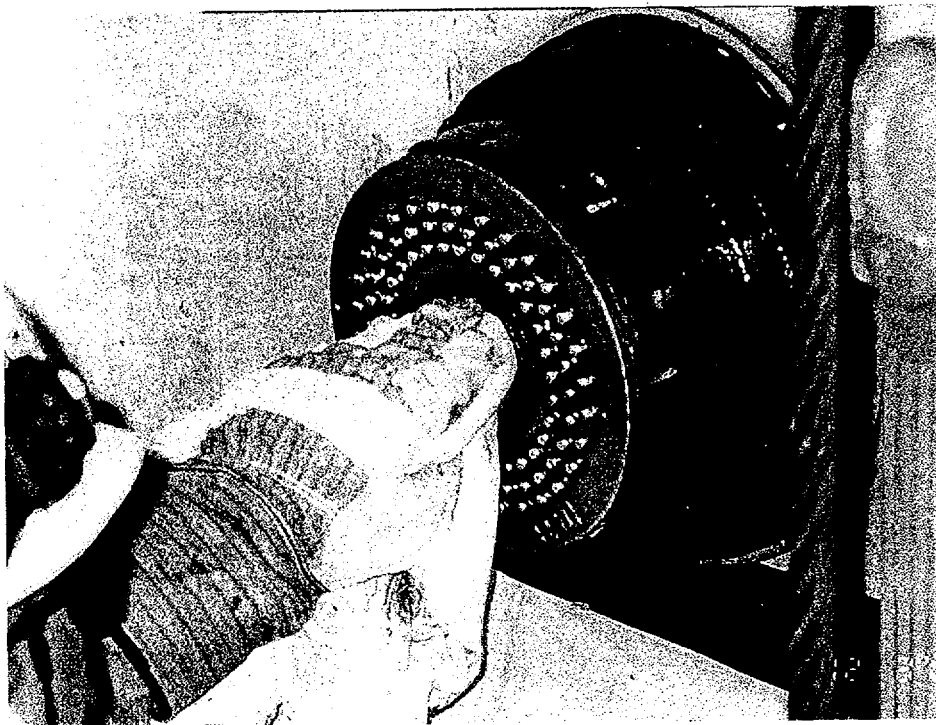


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INTRODUCTION (continued)

The anchorage is cleaned with brushes and solvent ready for QC inspection.

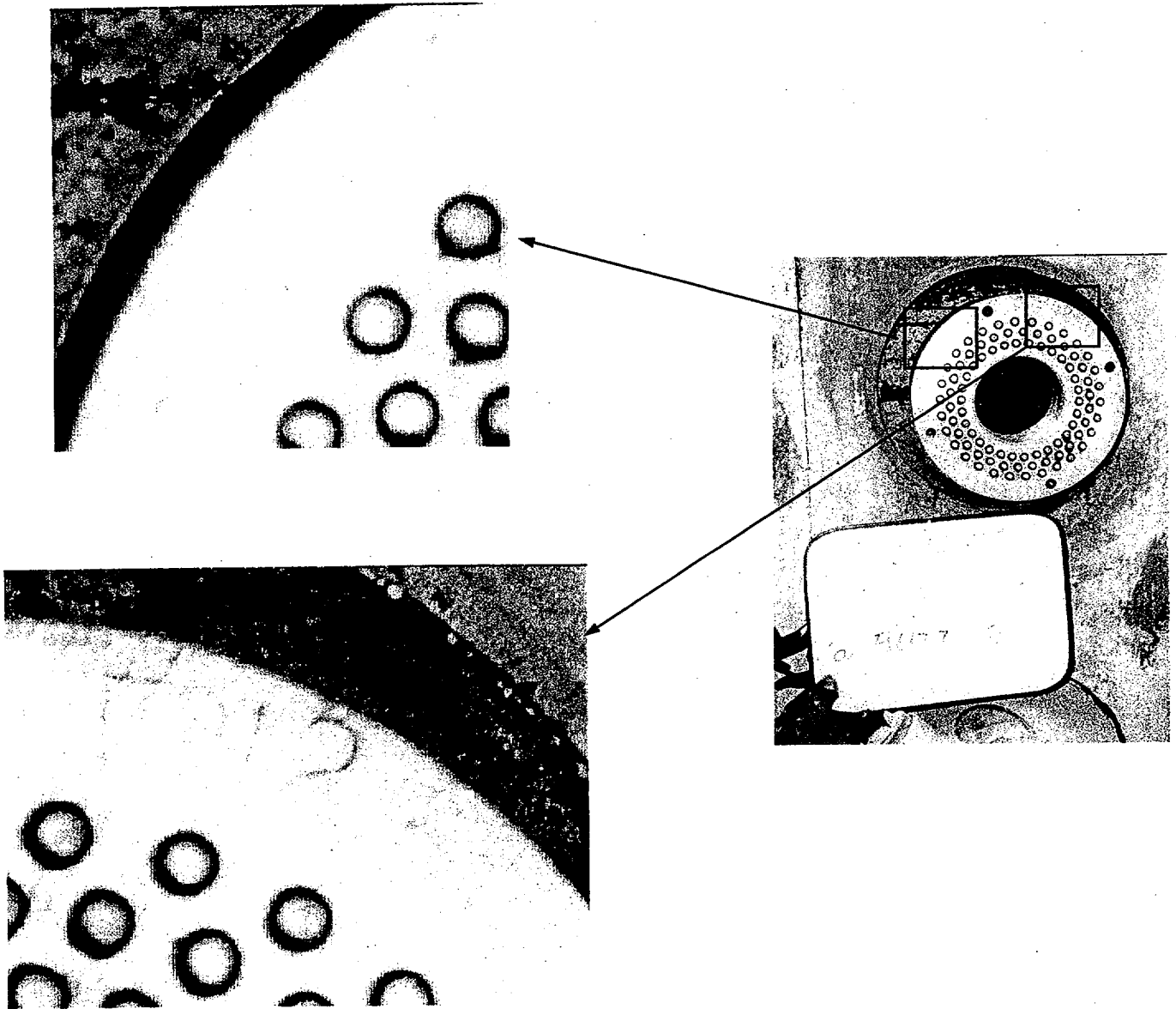




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INTRODUCTION (continued)



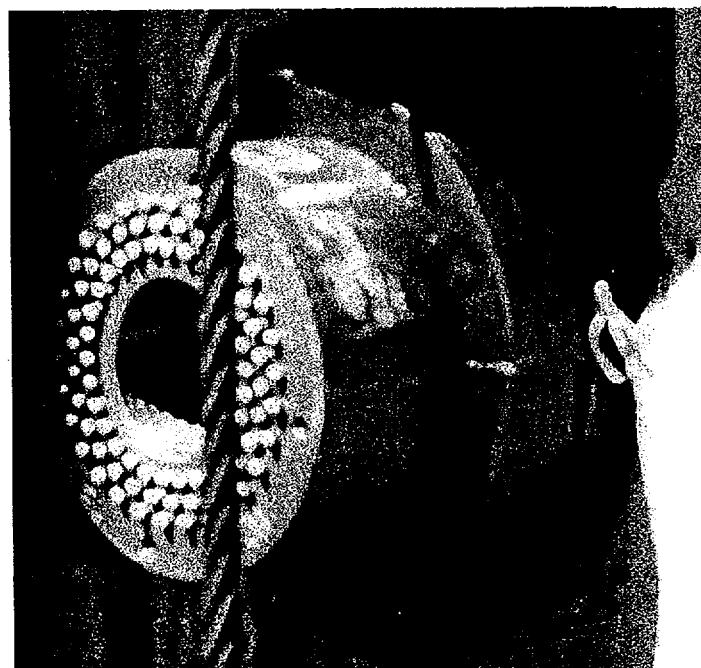
Each anchorhead has a unique ID number recorded on the installation sheets which is used to confirm that the right tendon is being inspected (shown above). This tendon is 62H43.



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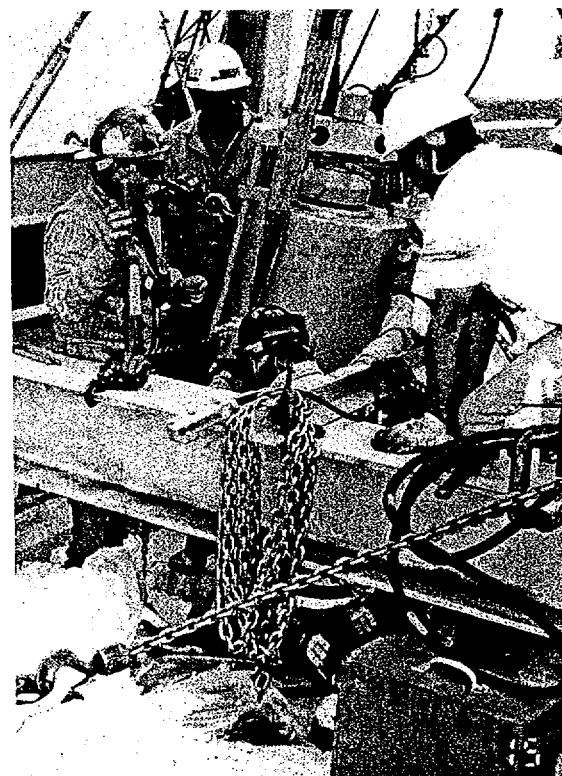


INTRODUCTION (continued)



After inspection the shims are wired to prevent excessive movement when the force on the shims is removed during liftoff.

A pullrod is attached to the anchorhead and also to the ram. A jack chair on the front of the ram provides a window for access to the shims, for liftoff and removal.





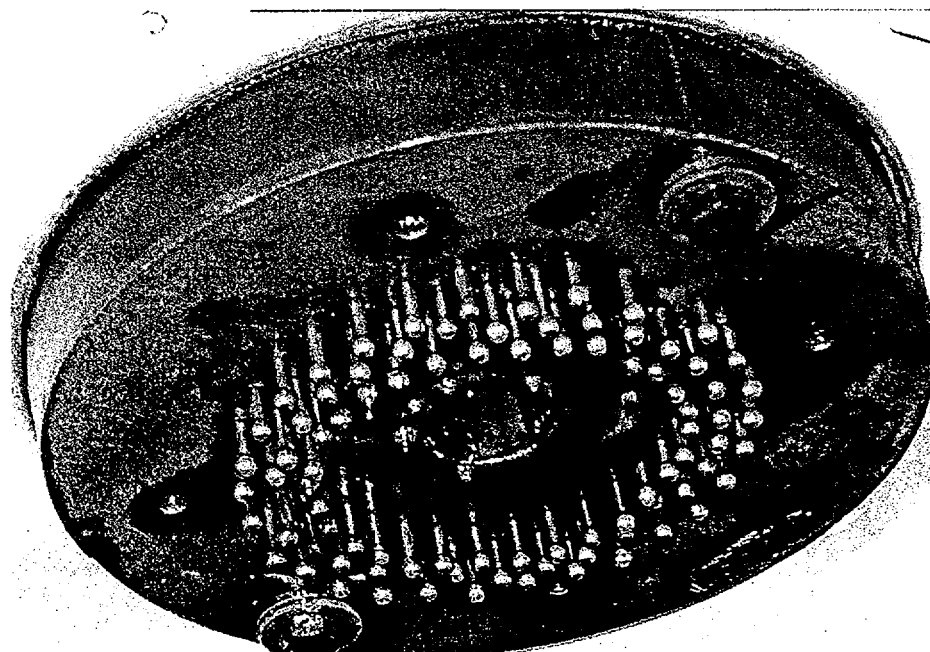
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INTRODUCTION (continued)

After liftoff, shims are removed from tendons that are to have a wire removed for physical testing and the head is driven back to expose the ends of the wires (buttonheads).

A wire is pulled from one end and the movement observed at the other. Once movement is verified the buttonhead is cut and the wire is removed from the tendon. During removal the wire is measured and inspected for corrosion condition.



Once a wire is removed the ram is recoupled and restressed by inserting shims between the bearing plate and the anchorhead.

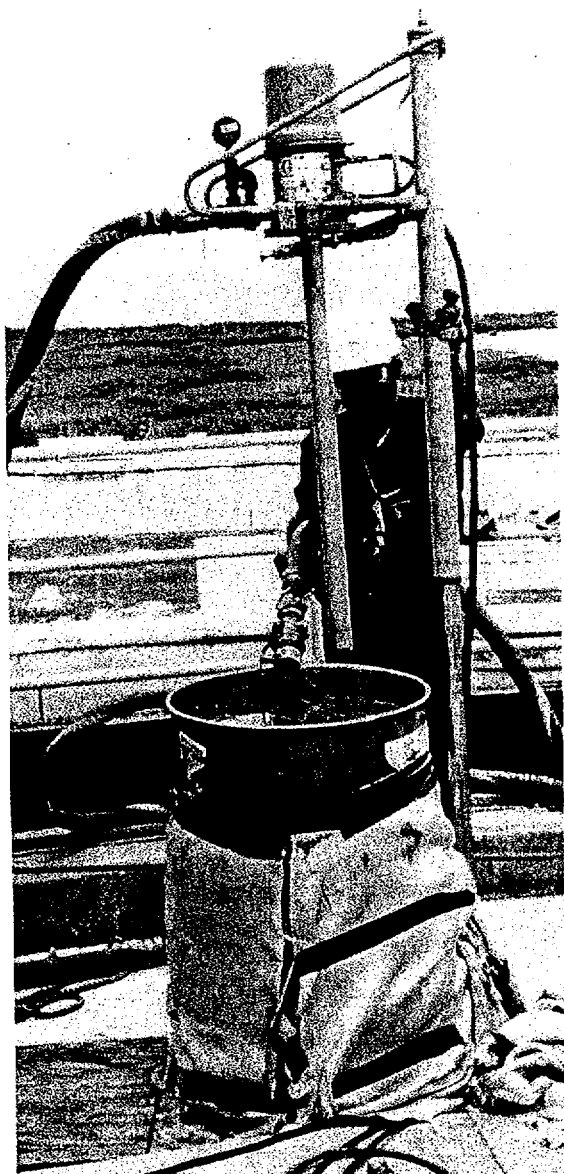
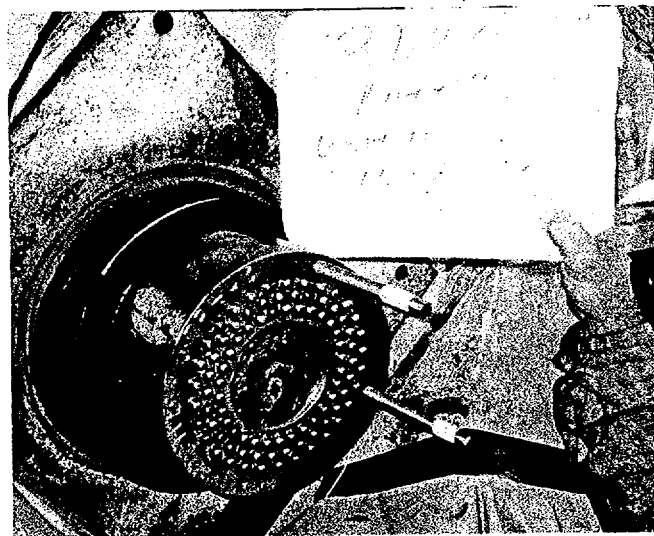


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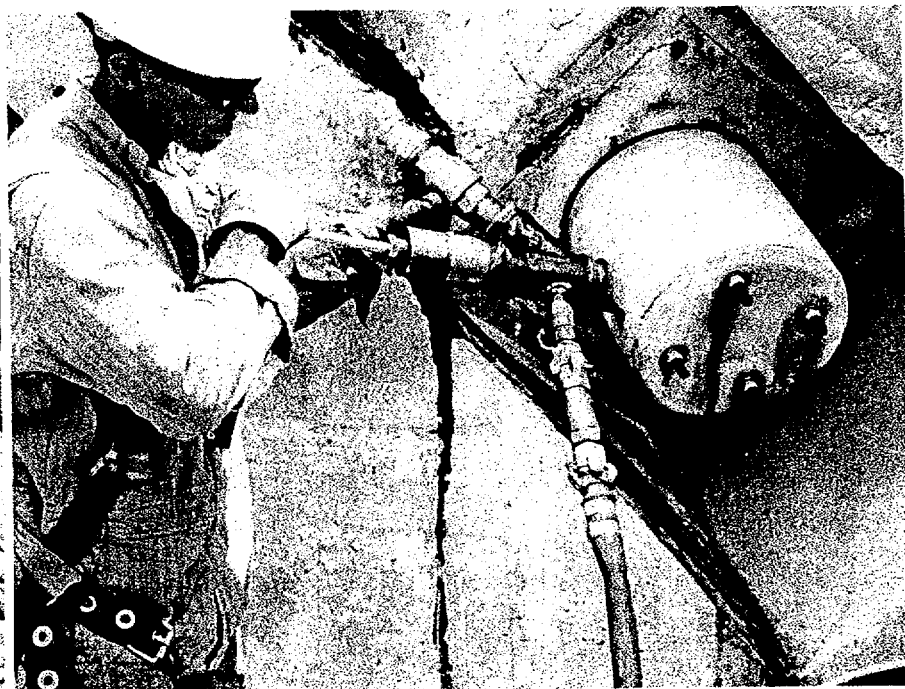


INTRODUCTION (continued)

After liftoff has been completed the ram is removed and the tendon anchorage components are hand coated with grease. The can is then replaced.



After re-installation of the can grease is heated to around 200 degrees and pumped into the tendon and can to ensure that it is completely full of corrosion protection medium.





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30TH YEAR CONTAINMENT TENDON
SURVEILLANCE**



I. SURVEILLANCE PROCEDURES

Volume 3, Section 9, Appendix F of the 30th Year Physical Surveillance Report contains the detailed procedures for conducting the tendon surveillance. The surveillance consists of the following steps:

1. Visual examination of casing filler grease.
2. Analytical testing of casing filler grease samples.
3. Inspection of the anchor assembly of each of the surveillance tendon ends for deleterious conditions such as corrosion, cracks, broken or missing buttonheads.
4. Inspection of concrete surrounding the bearing plate.
5. Measurement of the liftoff force for each of the physical surveillance tendons.
6. Removal of one wire from the surveillance tendons which are detensioned for examination and testing.
7. Retensioning of the detensioned tendons and measuring the corresponding tendon elongation.
8. Visual inspection for corrosion, pitting, or any significant physical change to the removed wires.
9. Testing of wires removed from tendons for yield strength, ultimate strength, and percentage elongation at failure.
10. Resealing tendon cans and replacement of lost sheathing filler into the tendon duct and grease can.
11. Evaluation of test and inspection results to assess the general condition of the post tensioning system.



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II. SHEATHING FILLER ANALYSIS

A sample of sheathing filler (grease) was removed from each end of the surveillance tendons. Chemical tests were performed on each sample by Suburban Laboratories, Inc., the results are presented in Section 5, Appendix B and are summarized in Table I.

The maximum acceptable limits are 10 percent by weight for water content and 10 parts per million for water-soluble chlorides, nitrates and sulfides. All samples met the acceptance criteria as stated above in all respects except 34V15 on Unit 3. The sample taken from the field (bottom) end had 11% water content and a second sample sent for verification produced a result of 16%, the results were addressed in CR 01-0801, sup. 4. This tendon was detentioned for corrosion evaluation, as much of the grease as possible was drained and the tendon refilled with new grease.

In addition, 51H01 shop end in Unit 4 was found with 37% moisture and 15 ppm of chlorides. This tendon was in the inspection pit and subjected to standing water, however, inspection revealed no corrosion to any of the anchorage components. The sample results were addressed in CR 01-1441, sup. 1

Also included was the report of the neutralization number of each grease sample. This test is generally performed by grease manufacturers on new batches of the product and is a method of determining the overbase additives in the grease. Degradation of the sheathing filler will yield a change in the acidity of the filler material as well as an increase in the ion content. The required neutralization number is > 0 mg KOH/g per IWL limit. The testing performed can only detect neutralization numbers greater than 0.50 mg KOH/g. However, as the original neutralization number was zero there has been little or no change since installation indicating little degradation. Twenty-three samples were unable to detect a neutralization number greater than 0.50 mg KOH/g.

No visible breakdown of the grease by either color or consistency was noted on any of the tendons tested.



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TABLE I: LABORATORY ANALYSIS OF SHEATHING

TENDON	END	ION CONCENTRATION (PPM)			% WATER CONTENT	NEUTRAL No. mg KOH/g
		CHLORIDE	NITRATE	SULFIDE		
1D34	FIELD/BT 2	<0.50	<0.50	<0.05	0.18	52.3
1D48	SHOP/BT 2-1	<0.50	<0.50	<0.05	0.43	38.8
	FIELD/BT 6-5	<0.50	<0.50	<0.05	0.56	31.3
1D49	SHOP/BT 1-2	<0.50	<0.50	<0.05	0.28	46.3
	FIELD/BT 6-5	<0.50	<0.50	<0.05	0.50	45.6
2D18	SHOP/BT 1	<0.50	<0.50	<0.05	0.10	< 0.50
	FIELD/BT 4	<0.50	<0.50	<0.05	< 0.10	< 0.50
2D19	SHOP/BT 4	5.00	<0.50	<0.05	0.10	8.22
	FIELD/BT 1	5.00	<0.50	<0.05	< 0.10	1.63
2D32	SHOP/BT 1	5.00	<0.50	<0.05	0.27	< 0.50
3D8	SHOP/BT 4	<0.50	<0.50	<0.05	0.28	34.0
	FIELD/BT 5-6	<0.50	<0.50	<0.05	< 0.10	46.6
3D43	SHOP/BT 1	5.00	<0.50	<0.05	0.47	< 0.50
	FIELD/BT 3	5.00	<0.50	<0.05	0.10	< 0.50
12V14	SHOP/TOP	<0.50	<0.50	<0.05	0.91	56.0
	FIELD/BOT	<0.50	<0.50	<0.05	0.19	48.3
12V22	SHOP/TOP	<0.50	<0.50	<0.05	1.20	53.0
	FIELD/BOT	<0.50	<0.50	<0.05	0.37	44.4
34V15	SHOP/TOP	<0.50	<0.50	<0.05	9.90	11.6
	FIELD/BOT	5.00	<0.50	<0.05	11.0/16.0 *	3.31
61V10	SHOP/TOP	5.00	<0.50	<0.05	1.40	4.46
	FIELD/BOT	<0.50	<0.50	<0.05	1.40	27.0

Acceptance Limits

<u>Test</u>	<u>Limits</u>
Water Soluble Chloride	Less than 10.0 ppm
Water Soluble Nitrates	Less than 10.0 ppm
Water Soluble Sulfides	Less than 10.0 ppm
Water Content	Less than 10% Dry Weight
Neutralization No.	Greater than 0 mg KOH/g

* First result and the second verification sample result
Ref: CR 01-0801, sup. 4



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TABLE I: LABORATORY ANALYSIS OF SHEATHING FILLER OF UNIT 3

TENDON	END	ION CONCENTRATION (PPM)			% WATER CONTENT	NEUTRAL No. mg KOH/g
		CHLORIDE	NITRATE	SULFIDE		
42H29	SHOP/BT 4	5.00	<0.50	<0.05	0.39	< 0.50
	FIELD/BT 2	5.00	<0.50	<0.05	0.19	< 0.50
42H30	SHOP/BT 4	<0.50	<0.50	<0.05	0.10	< 0.50
	FIELD/BT 2	5.00	<0.50	<0.05	0.24	< 0.50
42H75	SHOP/BT 2	5.00	<0.50	<0.05	0.20	< 0.50
51H18	SHOP/BT 1	5.00	<0.50	<0.05	0.65	19.8
	FIELD/BT 5	5.00	<0.50	<0.05	1.10	0.55
51H21	SHOP/BT 1	5.00	<0.50	<0.05	0.68	1.37
	FIELD/BT 5	<0.50	<0.50	<0.05	0.68	< 0.50
51H27	SHOP/BT 1	5.00	<0.50	<0.05	0.68	< 0.50
62H43	SHOP/BT 6	2.50	<0.50	<0.05	0.15	< 0.50
	FIELD/BT 2	2.50	<0.50	<0.05	< 0.10	< 0.50
64H22	SHOP/BT 6	<0.50	<0.50	<0.05	0.24	1.11
	FIELD/BT4	<0.50	<0.50	<0.05	< 0.10	< 0.50
13H01	SHOP/BT 1	<0.50	<0.50	<0.05	4.50	< 0.50
13H02	SHOP/BT 1	<0.50	<0.50	<0.05	0.48	< 0.50
13H03	SHOP/BT 1	<0.50	<0.50	<0.05	1.70	0.56

Acceptance Limits

<u>Test</u>	<u>Limits</u>
Water Soluble Chloride	Less than 10.0 ppm
Water Soluble Nitrates	Less than 10.0 ppm
Water Soluble Sulfides	Less than 10.0 ppm
Water Content	Less than 10% Dry Weight
Neutralization No.	Greater than 0 mg KOH/g



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TABLE I: LABORATORY ANALYSIS OF SHEATHING FILLER OF UNIT 4

TENDON	END	ION CONCENTRATION (PPM)			% WATER CONTENT	NEUTRAL No. mg KOH/g
		CHLORIDE	NITRATE	SULFIDE		
1D36	SHOP/BT 4	<0.50	<0.50	<0.50	<0.10	1.12
	FIELD/BT 1-2	<0.50	<0.50	<0.50	<0.10	1.10
2D5	SHOP/BT 5-6	<0.50	<0.50	<0.50	<0.10	3.90
	FIELD/BT 1-2	<0.50	<0.50	<0.50	<0.10	4.40
2D6	SHOP/BT 1-2	<0.50	<0.50	<0.50	0.10	0.56
	FIELD/BT 5-6	<0.50	<0.50	<0.50	2.60	1.12
2D23	FIELD/BT 2	<0.50	<0.50	<0.50	0.10	<0.50
3D20	SHOP/BT 5-6	<0.50	<0.50	<0.50	0.10	52.7
	FIELD/BT 3	<0.50	<0.50	<0.50	0.24	49.8
3D23	SHOP/BT 5-6	<0.50	<0.50	<0.50	<0.10	1.68
	FIELD/BT 3	<0.50	<0.50	<0.50	<0.10	9.97
12V26	SHOP/TOP	<0.50	<0.50	<0.50	3.20	35.8
	FIELD/BOT	<0.50	<0.50	<0.50	0.19	54.2
23V11	SHOP/TOP	<0.50	<0.50	<0.50	2.40	5.60
	FIELD/BOT	<0.50	<0.50	<0.50	<0.10	<0.50
45V10	SHOP/TOP	<0.50	<0.50	<0.50	0.36	57.4
	FIELD/BOT	<0.50	<0.50	<0.50	0.97	50.9
45V24	SHOP/TOP	<0.50	<0.50	<0.50	0.15	3.34
	FIELD/BOT	<0.50	<0.50	<0.50	0.18	<0.50

Acceptance Limits

<u>Test</u>	<u>Limits</u>
Water Soluble Chloride	Less than 10.0 ppm
Water Soluble Nitrates	Less than 10.0 ppm
Water Soluble Sulfides	Less than 10.0 ppm
Water Content	Less than 10% Dry Weight
Neutralization No.	Greater than 0 mg KOH/g



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TABLE I: LABORATORY ANALYSIS OF SHEATHING FILLER OF UNIT 4

TENDON	END	ION CONCENTRATION (PPM)			% WATER CONTENT	NEUTRAL No. mg KOH/g
		CHLORIDE	NITRATE	SULFIDE		
42H39	SHOP/BT 4	<0.50	<0.50	<0.50	0.18	<0.50
	FIELD/BT 2	<0.50	<0.50	<0.50	0.14	2.22
42H51	SHOP/BT 4	<0.50	<0.50	<0.50	<0.10	2.78
	FIELD/BT 2	<0.50	<0.50	<0.50	<0.10	3.32
51H15	SHOP/BT 1	<0.50	<0.50	<0.50	0.10	<0.50
	FIELD/BT 5	<0.50	<0.50	<0.50	0.10	1.11
62H82	SHOP/BT 6	<0.50	<0.50	<0.50	0.10	21.2
	FIELD/ BT 2	<0.50	<0.50	<0.50	0.19	32.7
64H14	SHOP/BT 6	<0.50	<0.50	<0.50	0.10	0.56
	FIELD/BT 4	<0.50	<0.50	<0.50	0.10	<0.50

Acceptance Limits

<u>Test</u>	<u>Limits</u>
Water Soluble Chloride	Less than 10.0 ppm
Water Soluble Nitrates	Less than 10.0 ppm
Water Soluble Sulfides	Less than 10.0 ppm
Water Content	Less than 10% Dry Weight
Neutralization No.	Greater than 0 mg KOH/g



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III. ANCHORAGE COMPONENTS

In the following discussion, all procedures referred to are included in Volume 3, Section 9, Appendix F of this report while all data sheets are included in Section 4, Appendix A.

Inspection of the anchorage components began with the removal of the grease can (PSC Procedure SQ 6.0). Complete grease coating (100%) was found on all of the surveillance tendon ends. The percentage of grease coverage was recorded on Data Sheet SQ 6.0 with the results tabulated in Table II.

During removal of the grease can and physical inspections of the anchorage assemblies water was found on 34V15 field end (80 oz.) of Unit 3 and 51H01 field end (64 oz.) of Unit 4. The water in 34V15 was evaluated in CR 01-0801, sup. 1 while the water in 51H01 is addressed in CR 01-1441. Smaller amounts were found in 13H01 shop end (0.5 oz.) and 13H03 shop end (drops) of Unit 3, along with 12V26 shop (top) (0.5 oz.), 23V11 shop (top) (<1.0 oz.) and 45V10 shop (top) (1.0 oz.) of Unit 4. No other surveillance tendon exhibited water either during visual or physical testing. Water Inspections were recorded on Data Sheet SQ 6.1 and are summarized in Table III.

The anchorage components (buttonhead, anchorhead, shims, and bearing plate) were inspected for corrosion level and cracks per PSC Procedure SQ 8.0. The results were recorded on Data Sheet SQ 8.0 and are summarized in Table IV. Corrosion levels on all items was either level 1 - "bright metal, no visible oxidation", or level 2 - "visible oxidation, no pitting" except on 13H01, 13H02 and 13H03 of Unit 3 and 51H01 of Unit 4. The condition of the bearing plates on these tendons were noted as >5 due to the excessive amount of rust and pitting. All of these tendon ends had been submerged in water for long periods of time. The cause of these tendons being submerged has since been corrected and caps were replaced or painted. The excessive amount of rust and pitting on tendons 13H01, 13H02, 13H03 and 51H01 are located outside the gasket area and is evaluated in CR 00-1434, sup. 1 and CR 01-1441. Inspection showed the condition of all anchorage components inside the can as acceptable. No evidence of cracking was observed in any of the anchorage components.



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III. ANCHORAGE COMPONENTS (Continued)

The buttonheads were inspected for their physical condition and a count was made of protruding or missing buttonheads per PSC Procedure SQ 8.0. The results of these inspections are also recorded on Data Sheet SQ 8.0, and summarized in Table V. A protruding buttonhead was found on the shop end of 34V15 (CR 01-0801) and a broken/missing buttonhead on the field end of 2D18 of Unit 3 (CR 01-0801). In addition a protruding buttonhead was found on the shop end of 1D49 which was previously recorded. The protruding wire on 34V15 was removed in addition to the standard wire from the detensioning process. No additional missing or protruding buttonheads were found on any of the Unit 4 surveillance tendons.

The concrete was inspected around the bearing plates for cracks per PSC Procedure SQ 8.3 with the results being recorded on Data Sheet SQ 8.3 and summarized in Table VI. Cracks that had a width in excess of 0.010" were found on only two inspection tendon ends, 3D43 shop end of Unit 3 and 42H51 field end in Unit 4. Inspection by the responsible engineer deemed them not to be significant. Some grout patches were noted as cracked, however, no rebar was exposed, they did not extend the depth of any bearing plates and were not found to occur in structurally significant concrete.

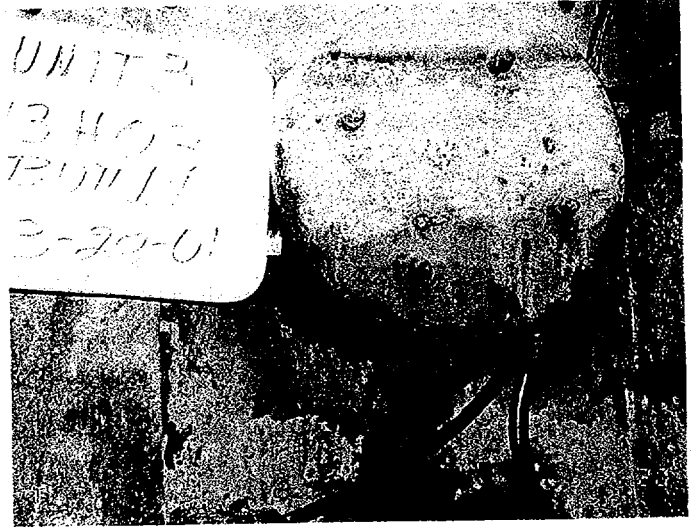
Bearing plate ID's were either illegible or not found on several tendon ends.



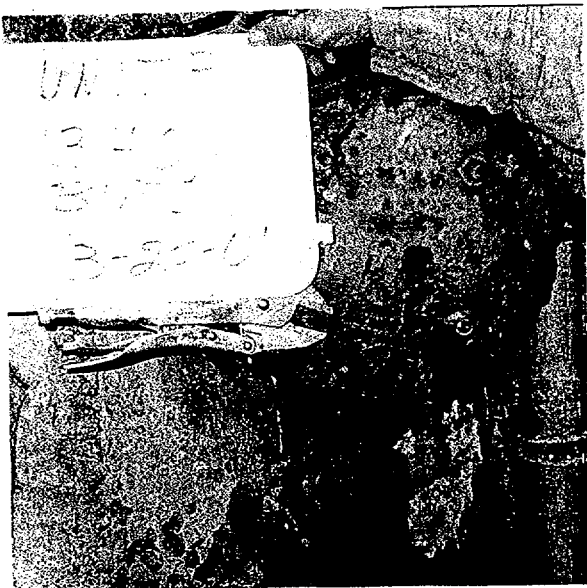
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III. ANCHORAGE COMPONENTS (Continued)



These pictures show the condition of the grease can and bearing plate on 31H01 to 31H03. However, once the cans were removed the anchorages were in good condition with no significant corrosion on any components and acceptable moisture content in the grease samples.

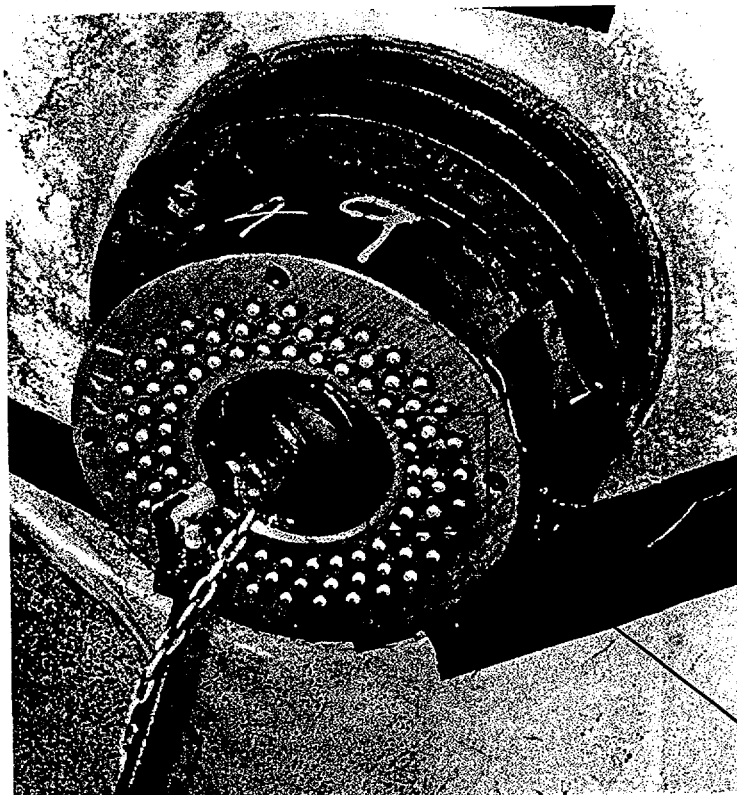




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III. ANCHORAGE COMPONENTS (Continued)



Protruding wire found to 1D49
between buttress 2 and 1.



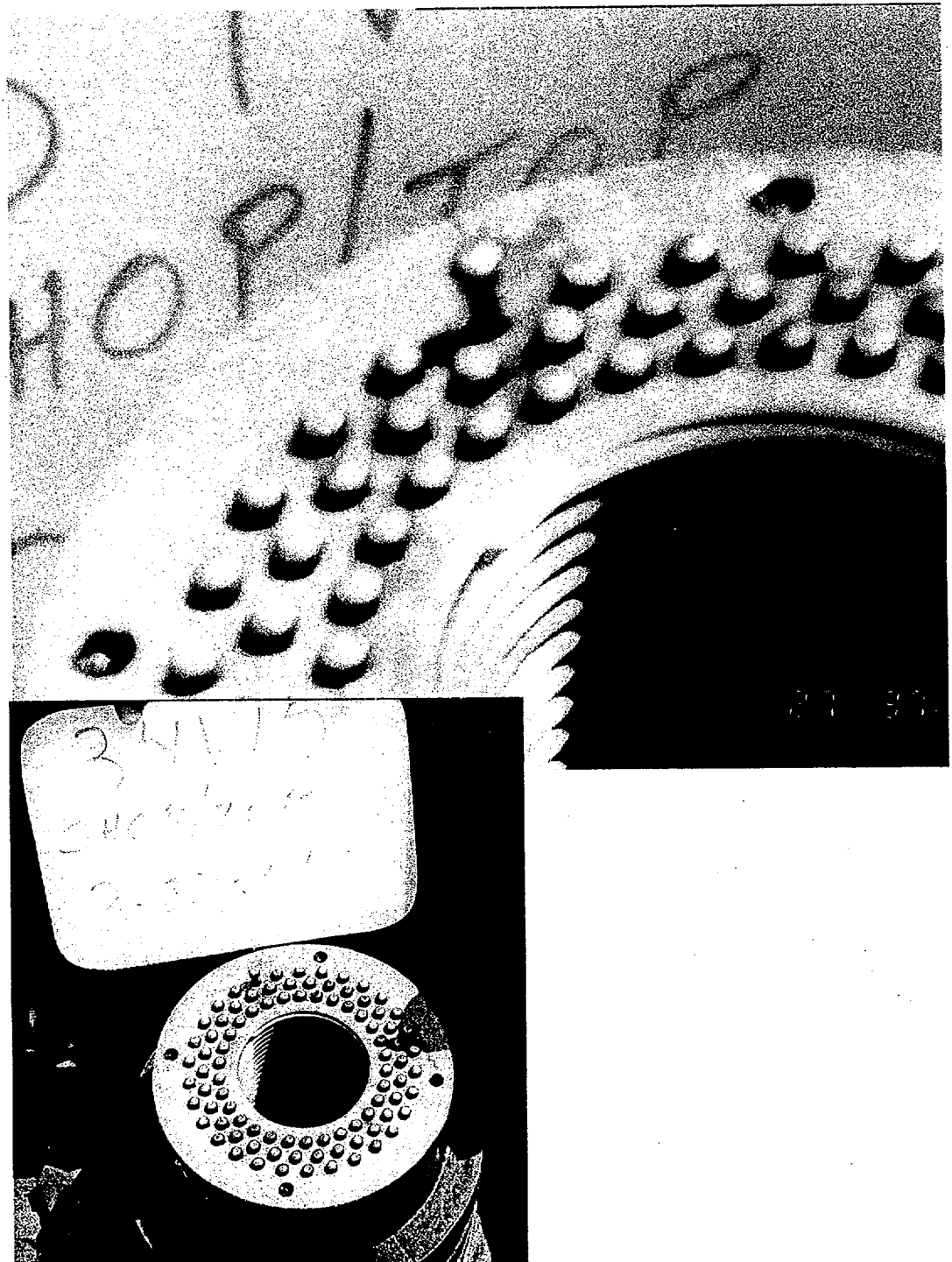


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III. ANCHORAGE COMPONENTS (Continued)

Protruding wire found to the
shop (top) end of 34V15.



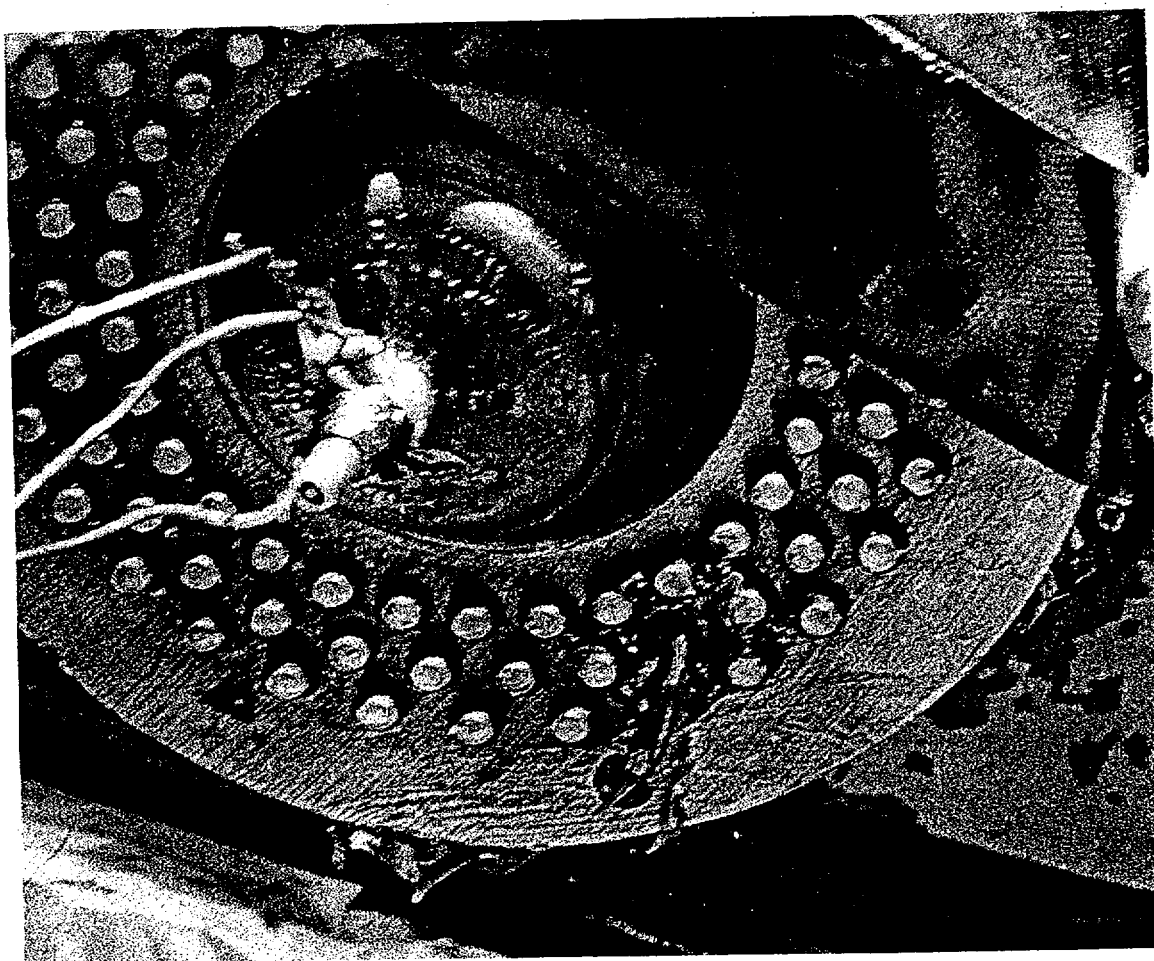


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III. ANCHORAGE COMPONENTS (Continued)

Missing wire found on the field end of 2D18 Unit 3.





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**TABLE II: SUMMARY OF DATA SHEETS SQ 6.0 GREASE CAN REMOVAL
OF UNIT 3.**

TENDON	END	GREASE COATING (%)			
		GREASE CAN	BUTTON- HEADS	ANCHOR- HEAD	SHIMS
1D34	FIELD/BT 2	100	100	100	100
1D48	SHOP/BT 2-1	100	100	100	100
	FIELD/BT 6-5	100	100	100	100
1D49	SHOP/BT 1-2	100	100	100	100
	FIELD/BT 6-5	100	100	100	100
2D18	SHOP/BT 1	100	100	100	100
	FIELD/BT 4	100	100	100	100
2D19	SHOP/BT 4	100	100	100	100
	FIELD/BT 1	100	100	100	100
2D32	SHOP/BT 1	100	100	100	100
3D8	SHOP/BT 4	100	100	100	100
	FIELD/BT 5-6	100	100	100	100
3D43	SHOP/BT 1	100	100	100	100
	FIELD/BT 3	100	100	100	100
12V14	SHOP/TOP	100	100	100	100
	FIELD/BOTTOM	100	100	100	100
12V22	SHOP/TOP	100	100	100	100
	FIELD/BOTTOM	100	100	100	100
34V15	SHOP/TOP	100	100	100	100
	FIELD/BOTTOM	100	100	100	100
61V10	SHOP/TOP	100	100	100	100
	FIELD/BOTTOM	100	100	100	N/A



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**TABLE II: SUMMARY OF DATA SHEETS SQ 6.0 GREASE CAN REMOVAL
OF UNIT 3.**

TENDON	END	GREASE COATING (%)			
		GREASE CAN	BUTTON- HEADS	ANCHOR- HEAD	SHIMS
42H29	SHOP/BT 4	100	100	100	100
	FIELD/BT 2	100	100	100	100
42H30	SHOP/BT 4	100	100	100	100
	FIELD/BT 2	100	100	100	100
42H75	SHOP/BT 2	100	100	100	100
51H18	SHOP/BT 1	100	100	100	100
	FIELD/BT 5	100	100	100	100
51H21	SHOP/BT 1	100	100	100	100
	FIELD/BT 5	100	100	100	100
51H27	SHOP/BT 1	100	100	100	100
62H43	SHOP/BT 6	100	100	100	100
	FIELD/BT 2	100	100	100	100
64H22	SHOP/BT 6	100	100	100	100
	FIELD/BT4	100	100	100	100
13H01	SHOP/BT 1	100	100	100	100
13H02	SHOP/BT 1	100	100	100	100
13H03	SHOP/BT 1	100	100	100	100



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**TABLE II: SUMMARY OF DATA SHEETS SQ 6.0 GREASE CAN REMOVAL
OF UNIT 4**

TENDON	END	GREASE COATING (%)			
		GREASE CAN	BUTTON- HEADS	ANCHOR- HEAD	SHIMS
1D36	SHOP/BT 4	100	100	100	100
	FIELD/BT 1-2	100	100	100	100
2D5	SHOP/BT 5-6	100	100	100	100
	FIELD/BT 1-2	100	100	100	100
2D6	SHOP/BT 1-2	100	100	100	100
	FIELD/BT 5-6	100	100	100	100
2D23	FIELD/BT 2	100	100	100	100
3D20	SHOP/BT 5-6	100	100	100	100
	FIELD/BT 3	100	100	100	100
3D23	SHOP/BT 5-6	100	100	100	100
	FIELD/BT 3	100	100	100	100
12V26	SHOP/TOP	100	100	100	100
	FIELD/BOTTOM	100	100	100	100
23V11	SHOP/TOP	100	100	100	100
	FIELD/BOTTOM	100	100	100	100
45V10	SHOP/TOP	100	100	100	100
	FIELD/BOTTOM	100	100	100	100
45V24	SHOP/TOP	100	100	100	100
	FIELD/BOTTOM	100	100	100	100



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**TABLE II: SUMMARY OF DATA SHEETS SQ 6.0 GREASE CAN REMOVAL
OF UNIT 4.**

TENDON	END	GREASE COATING (%)			
		GREASE CAN	BUTTON- HEADS	ANCHOR- HEAD	SHIMS
42H39	SHOP/BT 4	100	100	100	100
	FIELD/BT 2	100	100	100	100
42H51	SHOP/BT 4	100	100	100	100
	FIELD/BT 2	100	100	100	100
51H15	SHOP/BT 1	100	100	100	100
	FIELD/BT 5	100	100	100	100
62H82	SHOP/BT 6	100	100	100	100
	FIELD/ BT 2	100	100	100	100
64H14	SHOP/BT 6	100	100	100	100
	FIELD/BT 4	100	100	100	100
51H01	FIELD/BT5	100	100	100	100



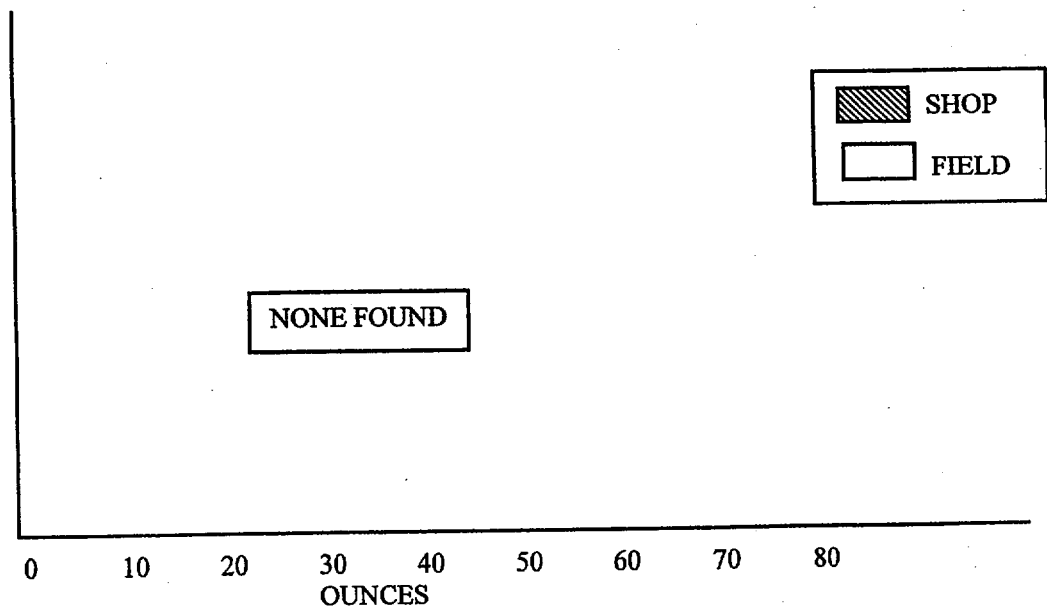
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**TABLE III: SUMMARY OF DATA SHEETS SQ 6.1
INSPECT FOR WATER OF UNIT 3**

TENDON	END	WATER QUANTITY
1D34	FIELD/BT 2	NONE
1D48	SHOP/BT 1-2	NONE
	FIELD/BT 6-5	NONE
1D49	SHOP/BT 1-2	NONE
	FIELD/BT 6-5	NONE
2D18	SHOP/BT 1	NONE
	FIELD/BT 4	NONE
2D19	SHOP/BT 4	NONE
	FIELD/BT 1	NONE
2D32	SHOP/BT 1	NONE

1D34
1D48
1D49
2D18
2D19
2D32





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**TABLE III: SUMMARY OF DATA SHEETS SQ 6.1
INSPECT FOR WATER OF UNIT 3**

TENDON	END	WATER QUANTITY
3D8	SHOP/BT 4	NONE
	FIELD/BT 5-6	NONE
3D43	SHOP/BT 1	NONE
	FIELD/BT 3	NONE
12V14	SHOP/TOP	NONE
	FIELD/BOTTOM	NONE
12V22	SHOP/TOP	NONE
	FIELD/BOTTOM	NONE
34V15	SHOP/TOP	NONE
	FIELD/BOTTOM	80 ounces
61V10	SHOP/TOP	NONE
	FIELD/BOTTOM	NONE

3D8

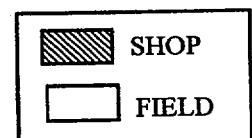
3D43

12V14

12V22

34V15

61V10



0 10 20 30 40 50 60 70 80
OUNCES



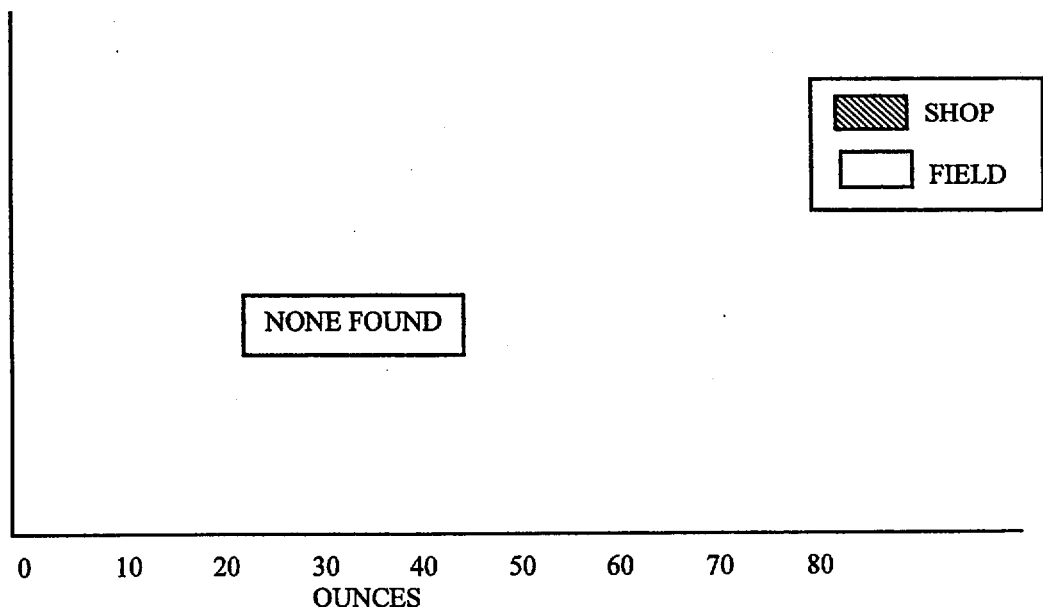
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**TABLE III: SUMMARY OF DATA SHEETS SQ 6.1
INSPECT FOR WATER OF UNIT 3**

TENDON	END	WATER QUANTITY
42H29	SHOP/BT 4	NONE
	FIELD/BT 2	NONE
42H30	SHOP/BT 4	NONE
	FIELD/BT 2	NONE
42H75	SHOP/BT 2	NONE
51H18	SHOP/BT 1	NONE
	FIELD/BT 5	NONE
51H21	SHOP/BT 1	NONE
	FIELD/BT 5	NONE
51H27	SHOP/BT 1	NONE

42H29
42H30
42H75
51H18
51H21
51H27



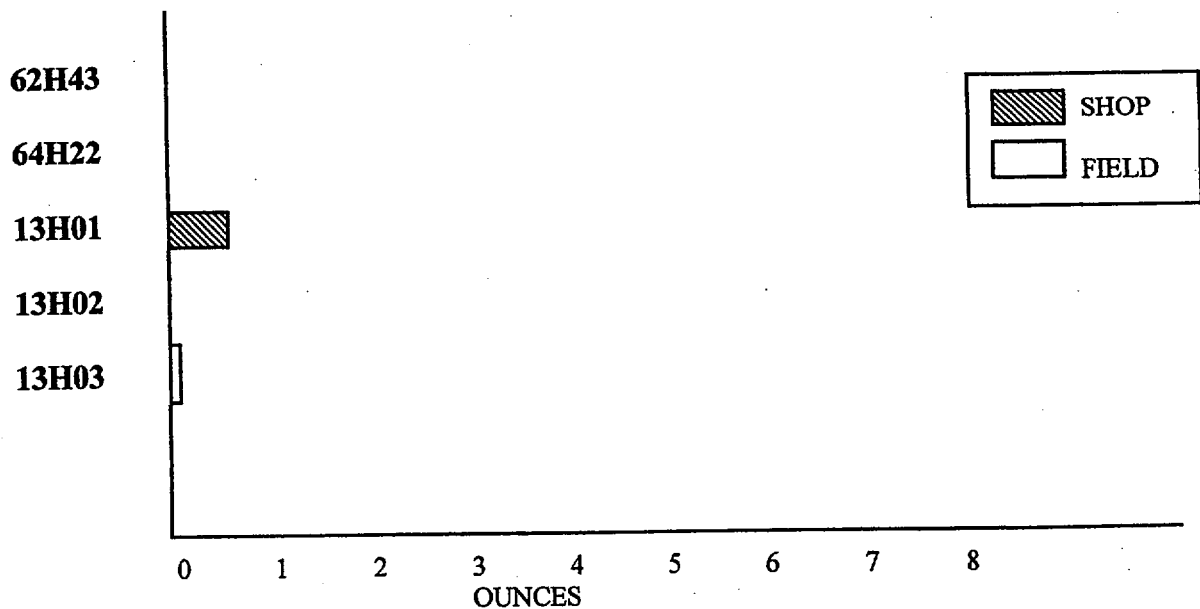


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**TABLE III: SUMMARY OF DATA SHEETS SQ 6.1:
INSPECT FOR WATER OF UNIT 3**

TENDON	END	WATER QUANTITY
62H43	SHOP/BT 6	NONE
	FIELD/BT 2	NONE
64H22	SHOP/BT 6	NONE
	FIELD/BT4	NONE
13H01	SHOP/BT 1	0.5 OZ
13H02	SHOP/BT 1	NONE
13H03	SHOP/BT 1	3 DROPS





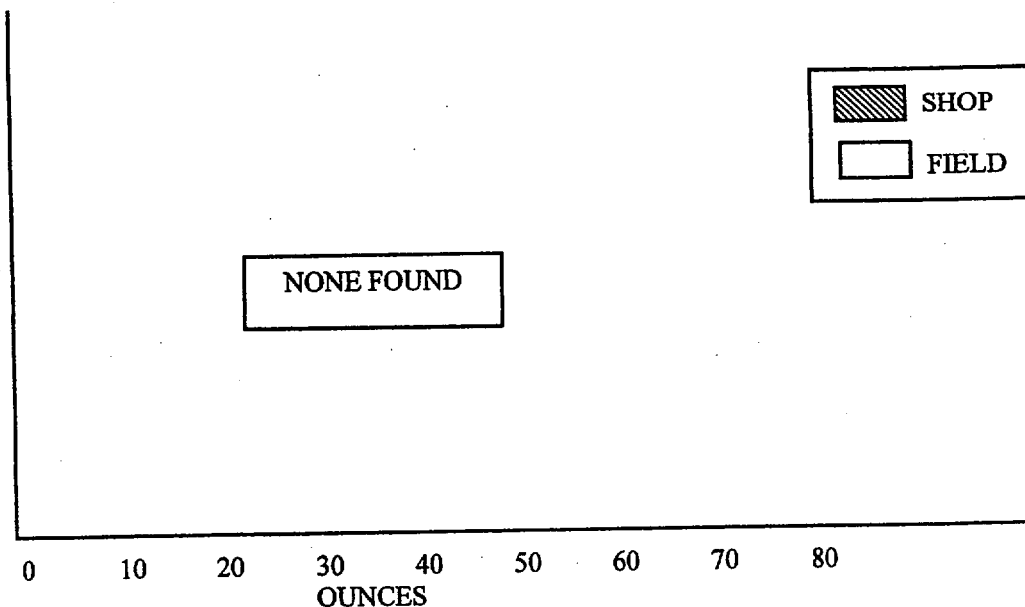
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**TABLE III: SUMMARY OF DATA SHEETS SQ 6.1
INSPECT FOR WATER OF UNIT 4**

TENDON	END	WATER QUANTITY
1D36	SHOP/BT 4	NONE
	FIELD/BT 1-2	NONE
2D5	SHOP/BT 5-6	NONE
	FIELD/BT 1-2	NONE
2D6	SHOP/BT 1-2	NONE
	FIELD/BT 5-6	NONE
2D23	FIELD/BT 2	NONE
3D20	SHOP/BT 5-6	NONE
	FIELD/BT 3	NONE
3D23	SHOP/BT 5-6	NONE
	FIELD/BT 3	NONE

1D36
2D5
2D6
2D23
3D20
3D23



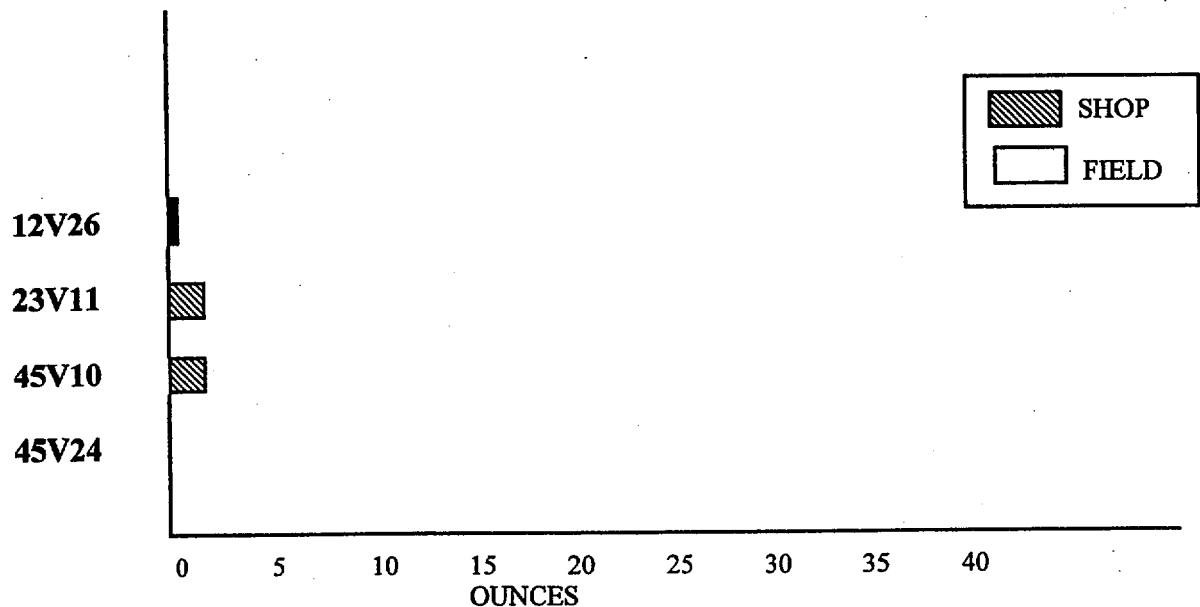


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**TABLE III: SUMMARY OF DATA SHEETS SQ 6.1
INSPECT FOR WATER OF UNIT 4**

TENDON	END	WATER QUANTITY
12V26	SHOP/TOP	0.5 oz.
	FIELD/BOTTOM	NONE
23V11	SHOP/TOP	< 1.0 oz.
	FIELD/BOTTOM	NONE
45V10	SHOP/TOP	1.0 oz.
	FIELD/BOTTOM	NONE
45V24	SHOP/TOP	NONE
	FIELD/BOTTOM	NONE





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**TABLE III: SUMMARY OF DATA SHEETS SQ 6.1
INSPECT FOR WATER OF UNIT 4**

TENDON	END	WATER QUANTITY
42H39	SHOP/BT 4	NONE
	FIELD/BT 2	NONE
42H51	SHOP/BT 4	NONE
	FIELD/BT 2	NONE
51H15	SHOP/BT 1	NONE
	FIELD/BT 5	NONE
62H82	SHOP/BT 6	NONE
	FIELD/ BT 2	NONE
64H14	SHOP/BT 6	NONE
	FIELD/BT 4	NONE
51H01	FIELD/ BT 5	64 oz.

42H39

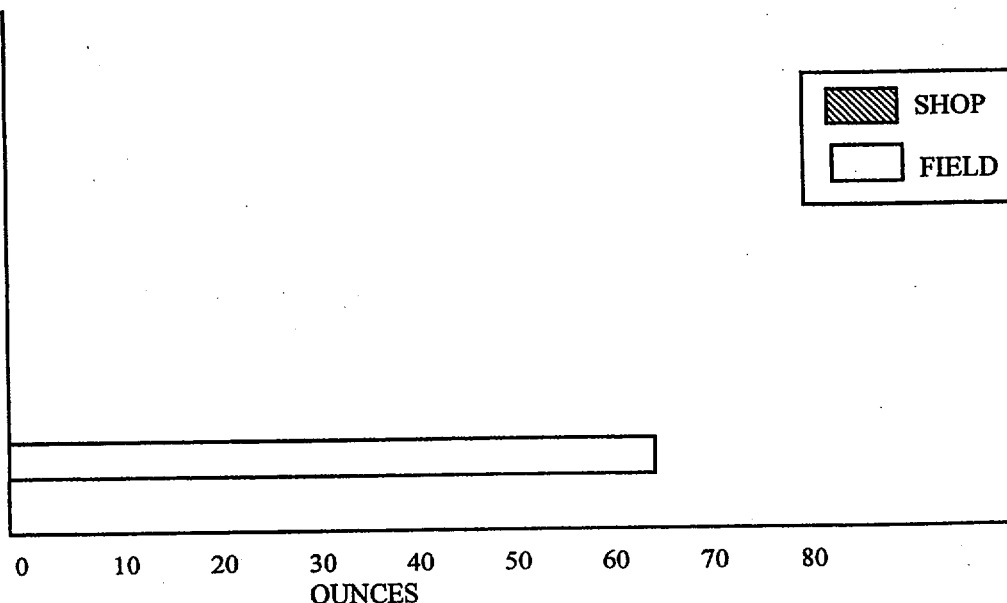
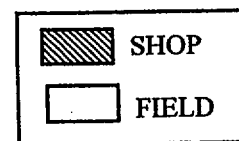
42H51

51H15

62H82

64H14

51H01





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**TABLE IV: SUMMARY OF DATA SHEETS SQ 8.0
ANCHORAGE CORROSION CONDITION OF UNIT 3**

TENDON	END	BUTTONHEAD CORROSION CONDITION	CORROSION LEVEL, CRACKS		
			ANCHOR- HEAD	SHIMS	BEARING PLATE
1D34	FIELD/BT 2	1	2, NONE	2, NONE	2, NONE
1D48	SHOP/BT 2-1	1	2, NONE	2, NONE	2, NONE
	FIELD/BT 6-5	1	2, NONE	1, NONE	1, NONE
1D49	SHOP/BT 1-2	1	2, NONE	2, NONE	2, NONE
	FIELD/BT 6-5	1	2, NONE	1, NONE	2, NONE
2D18	SHOP/BT 1	1	2, NONE	2, NONE	1, NONE
	FIELD/BT 4	2	2, NONE	2, NONE	1, NONE
2D19	SHOP/BT 4	1	2, NONE	2, NONE	1, NONE
	FIELD/BT 1	1	2, NONE	2, NONE	2, NONE
2D32	SHOP/BT 1	1	2, NONE	2, NONE	1, NONE
3D8	SHOP/BT 4	2	2, NONE	2, NONE	1, NONE
	FIELD/BT 5-6	1	2, NONE	2, NONE	2, NONE
3D43	SHOP/BT 1	1	2, NONE	2, NONE	2, NONE
	FIELD/BT 3	1	1, NONE	1, NONE	1, NONE
12V14	SHOP/TOP	1	2, NONE	2, NONE	2, NONE
	FIELD/BOT.	1	2, NONE	N/A	2, NONE
12V22	SHOP/TOP	1	2, NONE	2, NONE	2, NONE
	FIELD/BOT.	1	2, NONE	N/A	2, NONE
34V15	SHOP/TOP	1	2, NONE	2, NONE	2, NONE
	FIELD/BOT.	1	2, NONE	N/A	2, NONE
61V10	SHOP/TOP	1	2, NONE	2, NONE	2, NONE
	FIELD/BOT.	1	2, NONE	N/A	2, NONE

- 1 Bright metal; No visible corrosion.
- 2 Visible oxidation; No pitting.
- 3 0 < Pitting < 0.003 inches.



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**TABLE IV: SUMMARY OF DATA SHEETS SQ 8.0
ANCHORAGE CORROSION CONDITION OF UNIT 3**

TENDON	END	BUTTONHEAD CORROSION CONDITION	CORROSION LEVEL, CRACKS		
			ANCHOR- HEAD	SHIMS	BEARING PLATE
42H29	SHOP/BT 4	1	2, NONE	2, NONE	1, NONE
	FIELD/BT 2	1	1, NONE	2, NONE	2, NONE
42H30	SHOP/BT 4	1	2, NONE	1, NONE	1, NONE
	FIELD/BT 2	1	2, NONE	2, NONE	2, NONE
42H75	SHOP/BT 2	1	2, NONE	2, NONE	2, NONE
51H18	SHOP/BT 1	1	2, NONE	2, NONE	1, NONE
	FIELD/BT 5	1	2, NONE	2, NONE	2, NONE
51H21	SHOP/BT 1	1	1, NONE	1, NONE	1, NONE
	FIELD/BT 5	1	2, NONE	2, NONE	2, NONE
51H27	SHOP/BT 1	2	2, NONE	2, NONE	2, NONE
62H43	SHOP/BT 6	1	2, NONE	2, NONE	2, NONE
	FIELD/BT 2	1	2, NONE	1, NONE	1, NONE
64H22	SHOP/BT 6	1	2, NONE	2, NONE	2, NONE
	FIELD/BT 4	1	1, NONE	1, NONE	1, NONE
13H01	SHOP/BT 1	1	2, NONE	2, NONE	> 5 *, NONE
13H02	SHOP/BT 1	1	1, NONE	1, NONE	> 5 *, NONE
13H03	SHOP/BT 1	1	2, NONE	1, NONE	> 5 *, NONE

- 1 Bright metal; No visible oxidation.
- 2 Reddish brown color, No pitting.
- 3 $0 < \text{Pitting} \leq 0.003$ inches.
- 4 $0.003 < \text{Pitting} \leq 0.006$ inches.
- 5 $0.006 < \text{Pitting} \leq 0.010$ inches.

* Heavy rust scale and deep pitting outside the gasket area.
Evaluated in CR 00-1434, sup. 1 and found to be acceptable.



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**TABLE IV: SUMMARY OF DATA SHEETS SQ 8.0
ANCHORAGE CORROSION CONDITION OF UNIT 4**

TENDON	END	BUTTONHEAD CORROSION CONDITION	CORROSION LEVEL, CRACKS		
			ANCHOR- HEAD	SHIMS	BEARING PLATE
1D36	SHOP/BT 4	1	2, NONE	2, NONE	2, NONE
	FIELD/BT 1-2	1	2, NONE	2, NONE	2, NONE
2D5	SHOP/BT 5-6	1	2, NONE	2, NONE	PAINTED
	FIELD/BT 1-2	1	2, NONE	2, NONE	2, NONE
2D6	SHOP/BT 1-2	1	2, NONE	2, NONE	2, NONE
	FIELD/BT 5-6	1	2, NONE	2, NONE	2, NONE
2D23	FIELD/BT 2	1	2, NONE	2, NONE	2, NONE
3D20	SHOP/BT 5-6	1	2, NONE	2, NONE	2, NONE
	FIELD/BT 3	1	2, NONE	2, NONE	2, NONE
3D23	SHOP/BT 5-6	1	2, NONE	2, NONE	2, NONE
	FIELD/BT 3	1	2, NONE	2, NONE	2, NONE
12V26	SHOP/TOP	1	1, NONE	1, NONE	1, NONE
	FIELD/BOT.	1	2, NONE	2, NONE	2, NONE
23V11	SHOP/TOP	1	2, NONE	1, NONE	1, NONE
	FIELD/BOT.	1	2, NONE	2, NONE	2, NONE
45V10	SHOP/TOP	1	1, NONE	1, NONE	1, NONE
	FIELD/BOT.	1	2, NONE	2, NONE	2, NONE
45V24	SHOP/TOP	1	2, NONE	1, NONE	1, NONE
	FIELD/BOT.	1	2, NONE	2, NONE	2, NONE

- 1 Bright metal; No visible corrosion.
- 2 Visible oxidation; No pitting.
- 3 $0 < \text{Pitting} \leq 0.003$ inches.



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**TABLE IV: SUMMARY OF DATA SHEETS SQ 8.0
ANCHORAGE CORROSION CONDITION OF UNIT 4**

TENDON	END	BUTTONHEAD CORROSION CONDITION	CORROSION LEVEL, CRACKS		
			ANCHOR- HEAD	SHIMS	BEARING PLATE
42H39	SHOP/BT 4	1	2, NONE	2, NONE	2, NONE
	FIELD/BT 2	1	2, NONE	2, NONE	2, NONE
42H51	SHOP/BT 4	1	2, NONE	2, NONE	2, NONE
	FIELD/BT 2	2	2, NONE	2, NONE	2, NONE
51H15	SHOP/BT 1	1	2, NONE	2, NONE	2, NONE
	FIELD/BT 5	1	2, NONE	2, NONE	2, NONE
62H82	SHOP/BT 6	1	2, NONE	2, NONE	2, NONE
	FIELD/ BT 2	1	2, NONE	2, NONE	2, NONE
64H14	SHOP/BT 6	1	2, NONE	2, NONE	2, NONE
	FIELD/BT 4	1	2, NONE	2, NONE	2, NONE
51H01	FIELD/BT5	1	1, NONE	1, NONE	>5 *, NONE

- 1 Bright metal; No visible oxidation.
- 2 Reddish brown color, No pitting.
- 3 $0 < \text{Pitting} \leq 0.003$ inches.
- 4 $0.003 < \text{Pitting} \leq 0.006$ inches.
- 5 $0.006 < \text{Pitting} \leq 0.010$ inches.

* Heavy rust scale and deep pitting outside the gasket area.
Evaluated in CR 01-1441 and found acceptable



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TABLE V: SUMMARY OF DATA SHEETS SQ 8.0 TO UNIT 3 - BUTTONHEAD COUNT

TENDON	END	ORIGINAL		AS FOUND		AS LEFT		REMOVED FOR TESTING	TOTAL	EFFECTIVE WIRES AS FOUND	EFFECTIVE WIRES AS LEFT
		PROTRUDE	BROKEN/ MISSING	PROTRUDE	BROKEN/ MISSING	PROTRUDE	BROKEN/ MISSING				
1D34	FIELD/BT 2	0	0	0	0	0	0	0	0	90	90
1D48	SHOP/BT2-1	0	0	0	0	0	0	0	0	90	90
	FIELD/BT 6-5	0	0	0	0	0	0	0	0	90	90
1D49	SHOP/BT 1-2	1	0	1	0	1	0	0	1	89	89
	FIELD/BT 6-5	0	0	0	0	0	0	0	0	90	90
2D18	SHOP/BT 1	0	0	0	0	0	0	0	0	90	90
	FIELD/BT 4	0	0	0	1	0	1	0	1	90	89
2D19	SHOP/BT 4	0	0	0	0	0	1	1	1	90	89
	FIELD/BT 1	0	0	0	0	0	1	1	1	90	89
2D32	SHOP/BT 1	0	0	0	0	0	0	0	0	90	90
3D8	SHOP/BT 4	0	2	0	2	0	2	0	2	88	88
	FIELD/BT 5-6	0	2	0	2	0	2	0	2	88	88
3D43	SHOP/BT 1	0	0	0	0	0	0	0	0	90	90
	FIELD/BT 3	0	0	0	0	0	0	0	0	90	90



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TABLE V: SUMMARY OF DATA SHEETS SQ 8.0 TO UNIT 3 - BUTTONHEAD COUNT

TENDON	END	ORIGINAL		AS FOUND		AS LEFT		REMOVED FOR TESTING	TOTAL	EFFECTIVE WIRES AS FOUND	EFFECTIVE WIRES AS LEFT
		PROTRUDE	BROKEN/ MISSING	PROTRUDE	BROKEN/ MISSING	PROTRUDE	BROKEN/ MISSING				
12V14	SHOP/TOP	0	0	0	0	0	0	0	0	90	90
	FIELD/BOT.	0	0	0	0	0	0	0	0	90	90
12V22	SHOP/TOP	0	0	0	0	0	0	0	0	90	90
	FIELD/BOT.	0	1	0	1	0	1	0	1	89	89
34V15	SHOP/TOP	0	0	1	0	0	2	2	2	89	88
	FIELD/BOT.	0	0	0	0	0	1	1	1	90	89
61V10	SHOP/TOP	0	0	0	0	0	0	0	0	90	90
	FIELD/BOT.	0	0	0	0	0	0	0	0	90	90



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TABLE V: SUMMARY OF DATA SHEETS SQ 8.0 TO UNIT 3 - BUTTONHEAD COUNT

TENDON	END	ORIGINAL		AS FOUND		AS LEFT		REMOVED FOR TESTING	TOTAL	EFFECTIVE WIRES AS FOUND	EFFECTIVE WIRES AS LEFT
		PROTRUDE	BROKEN/ MISSING	PROTRUDE	BROKEN/ MISSING	PROTRUDE	BROKEN/ MISSING				
42H29	SHOP/BT 4	0	0	0	0	0	0	0	0	90	90
	FIELD/BT 2	0	0	0	0	0	0	0	0	90	90
42H30	SHOP/BT 4	0	0	0	0	0	0	0	0	90	90
	FIELD/BT 2	0	0	0	0	0	0	0	0	90	90
42H75	SHOP/BT 2	0	0	0	0	0	0	0	0	90	90
51H18	SHOP/BT 1	0	0	0	0	0	0	0	0	90	90
	FIELD/BT 5	0	0	0	0	0	0	0	0	90	90
51H21	SHOP/BT 1	0	0	0	0	0	0	0	0	90	90
	FIELD/BT 5	0	0	0	0	0	0	0	0	90	90
51H27	SHOP/BT 1	0	0	0	0	0	0	0	0	90	90
62H43	SHOP/BT 6	0	0	0	0	0	1	1	1	90	89
	FIELD/BT 2	0	0	0	0	0	1	1	1	90	89
64H22	SHOP/BT 6	0	0	0	0	0	0	0	0	90	90
	FIELD/BT4	0	0	0	0	0	0	0	0	90	90
13H01	SHOP/BT 1	0	0	0	0	0	0	0	0	90	90
13H02	SHOP/BT 1	0	0	0	0	0	0	0	0	90	90
13H03	SHOP/BT 1	0	0	0	0	0	0	0	0	90	90



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TABLE V: SUMMARY OF DATA SHEETS SQ 8.0 TO UNIT 4 - BUTTONHEAD COUNT

TENDON	END	ORIGINAL		AS FOUND		AS LEFT		REMOVED FOR TESTING	TOTAL	EFFECTIVE WIRES AS FOUND	EFFECTIVE WIRES AS LEFT
		PROTRUDE	BROKEN/ MISSING	PROTRUDE	BROKEN/ MISSING	PROTRUDE	BROKEN/ MISSING				
1D36	SHOP/BT 4	0	0	0	0	0	0	0	0	90	90
	FIELD/BT 1-2	0	0	0	0	0	0	0	0	90	90
2D5	SHOP/BT 5-6	0	0	0	0	0	0	0	0	90	90
	FIELD/BT 1-2	0	0	0	0	0	0	0	0	90	90
2D6	SHOP/BT 1-2	0	0	0	0	0	0	0	0	90	90
	FIELD/BT 5-6	0	0	0	0	0	0	0	0	90	90
2D23	FIELD/BT 2	0	0	0	0	0	0	0	0	90	90
3D20	SHOP/BT 5-6	0	0	0	0	0	0	0	0	90	90
	FIELD/BT 3	0	0	0	0	0	0	0	0	90	90
3D23	SHOP/BT 5-6	0	0	0	0	0	0	0	0	90	90
	FIELD/BT 3	0	0	0	0	0	0	0	0	90	90



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TABLE V: SUMMARY OF DATA SHEETS SQ 8.0 TO UNIT 4 - BUTTONHEAD COUNT

TENDON	END	ORIGINAL		AS FOUND		AS LEFT		REMOVED FOR TESTING	TOTAL	EFFECTIVE WIRES AS FOUND	EFFECTIVE WIRES AS LEFT
		PROTRUDE	BROKEN/ MISSING	PROTRUDE	BROKEN/ MISSING	PROTRUDE	BROKEN/ MISSING				
12V26	SHOP/TOP	0	0	0	0	0	0	0	0	90	90
	FIELD/BOT	0	0	0	0	0	0	0	0	90	90
23V11	SHOP/TOP	0	0	0	0	0	0	0	0	90	90
	FIELD/BOT	0	0	0	0	0	0	0	0	90	90
45V10	SHOP/TOP	0	0	0	0	0	0	0	0	90	90
	FIELD/BOT	0	0	0	0	0	0	0	0	90	90
45V24	SHOP/TOP	0	0	0	0	0	0	0	0	90	90
	FIELD/BOT	0	0	0	0	0	0	0	0	90	90



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TABLE V: SUMMARY OF DATA SHEETS SQ 8.0 TO UNIT 4 - BUTTONHEAD COUNT

TENDON	END	ORIGINAL		AS FOUND		AS LEFT		REMOVED FOR TESTING	TOTAL	EFFECTIVE WIRES AS FOUND	EFFECTIVE WIRES AS LEFT
		PROTRUDE	BROKEN/ MISSING	PROTRUDE	BROKEN/ MISSING	PROTRUDE	BROKEN/ MISSING				
42H39	SHOP/BT 4	0	0	0	0	0	0	0	0	90	90
	FIELD/BT 2	0	0	0	0	0	0	0	0	90	90
42H51	SHOP/BT 4	0	0	0	0	0	0	0	0	90	90
	FIELD/BT 2	0	0	0	0	0	0	0	0	90	90
51H15	SHOP/BT 1	0	0	0	0	0	0	0	0	90	90
	FIELD/BT 5	0	1	0	1	0	1	0	1	89	89
62H82	SHOP/BT 6	0	0	0	0	0	0	0	0	90	90
	FIELD/ BT 2	0	0	0	0	0	0	0	0	90	90
64H14	SHOP/BT 6	0	0	0	0	0	0	0	0	90	90
	FIELD/BT 4	0	0	0	0	0	0	0	0	90	90
51H01	FIELD/BT 5	0	0	0	0	0	0	0	0	90	90



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TABLE VI: SUMMARY OF DATA SHEETS SQ 8.3 CONCRETE INSPECTION OF UNIT 3.

TENDON	END	BEARING PLATE ID	CRACKS WITH WIDTHS >0.010"		
			QUANTITY	MAX. LENGTH (IN)	MAX. WIDTH (IN)
1D34	FIELD/BT 2	NONE	NONE	N/A	N/A
1D48	SHOP/BT 2-1	PC 13	NONE	N/A	N/A
	FIELD/BT 6-5	PC 13	NONE	N/A	N/A
1D49	SHOP/BT 1-2	NONE	NONE	N/A	N/A
	FIELD/BT 6-5	PC 13	NONE	N/A	N/A
2D18	SHOP/BT 1	PC 13	NONE	N/A	N/A
	FIELD/BT 4	NONE	NONE	N/A	N/A
2D19	SHOP/BT 4	PC 13	NONE	N/A	N/A
	FIELD/BT 1	PC 13	NONE	N/A	N/A
2D32	SHOP/BT 1	NONE	NONE	N/A	N/A
3D8	SHOP/BT 4	PC 13	NONE	N/A	N/A
	FIELD/BT 5-6	PC 13 OR 15	NONE	N/A	N/A
3D43	SHOP/BT 1	PC 13	2	*	0.025
	FIELD/BT 3	PC 13	NONE	N/A	N/A
12V14	SHOP/TOP	NONE FOUND	NONE	N/A	N/A
	FIELD/BOTTOM	NONE FOUND	NONE	N/A	N/A
12V22	SHOP/TOP	NONE FOUND	NONE	N/A	N/A
	FIELD/BOTTOM	NONE FOUND	NONE	N/A	N/A
34V15	SHOP/TOP	NONE FOUND	NONE	N/A	N/A
	FIELD/BOTTOM	NONE FOUND	NONE	N/A	N/A
61V10	SHOP/TOP	NONE FOUND	NONE	N/A	N/A
	FIELD/BOTTOM	NONE FOUND	NONE	N/A	N/A

* Crack spans between adjacent dome pockets ($\approx 36''$)



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TABLE VI: SUMMARY OF DATA SHEETS SQ 8.3 CONCRETE INSPECTION OF UNIT 3.

TENDON	END	BEARING PLATE ID	CRACKS WITH WIDTHS >0.010"		
			QUANTITY	MAX. LENGTH (IN)	MAX. WIDTH (IN)
42H29	SHOP/BT 4	PC 11	NONE	N/A	N/A
	FIELD/BT 2	NONE FOUND	NONE	N/A	N/A
42H30	SHOP/BT 4	PC 11	NONE	N/A	N/A
	FIELD/BT 2	NONE FOUND	NONE	N/A	N/A
42H75	SHOP/BT 2	NONE FOUND	NONE	N/A	N/A
51H18	SHOP/BT 1	NONE FOUND	NONE	N/A	N/A
	FIELD/BT 5	NONE FOUND	NONE	N/A	N/A
51H21	SHOP/BT 1	NONE FOUND	NONE	N/A	N/A
	FIELD/BT 5	NONE FOUND	NONE	N/A	N/A
51H27	SHOP/BT 1	NONE FOUND	NONE	N/A	N/A
62H43	SHOP/BT 6	NONE FOUND	NONE	N/A	N/A
	FIELD/BT 2	NONE FOUND	NONE	N/A	N/A
64H22	SHOP/BT 6	NONE FOUND	NONE	N/A	N/A
	FIELD/BT4	NONE FOUND	NONE	N/A	N/A
13H01	SHOP/BT 1	NONE FOUND	NONE	N/A	N/A
13H02	SHOP/BT 1	NONE FOUND	NONE	N/A	N/A
13H03	SHOP/BT 1	NONE FOUND	NONE	N/A	N/A



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TABLE VI: SUMMARY OF DATA SHEETS SQ 8.3 CONCRETE INSPECTION OF UNIT 4

TENDON	END	BEARING PLATE ID	CRACKS WITH WIDTHS >0.010"		
			QUANTITY	MAX. LENGTH (IN)	MAX. WIDTH (IN)
1D36	SHOP/BT 4	PC 25	NONE	N/A	N/A
	FIELD/BT 1-2	PC 25	NONE	N/A	N/A
2D5	SHOP/BT 5-6	PC 25	NONE	N/A	N/A
	FIELD/BT 1-2	PC 25	NONE	N/A	N/A
2D6	SHOP/BT 1-2	PC 25	NONE	N/A	N/A
	FIELD/BT 5-6	PC 25	NONE	N/A	N/A
2D23	FIELD/BT 2	PC 25	NONE	N/A	N/A
3D20	SHOP/BT 5-6	PC 25	NONE	N/A	N/A
	FIELD/BT 3	PC 25	NONE	N/A	N/A
3D23	SHOP/BT 5-6	PC 25	NONE	N/A	N/A
	FIELD/BT 3	PC 25	NONE	N/A	N/A
12V26	SHOP/TOP	NOT VISIBLE	NONE	N/A	N/A
	FIELD/BOTTOM	NOT VISIBLE	NONE	N/A	N/A
23V11	SHOP/TOP	PC 26	NONE	N/A	N/A
	FIELD/BOTTOM	NOT VISIBLE	NONE	N/A	N/A
45V10	SHOP/TOP	PC 20	NONE	N/A	N/A
	FIELD/BOTTOM	NOT VISIBLE	NONE	N/A	N/A
45V24	SHOP/TOP	PC 26	NONE	N/A	N/A
	FIELD/BOTTOM	NOT VISIBLE	NONE	N/A	N/A



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TABLE VI: SUMMARY OF DATA SHEETS SQ 8.3 CONCRETE INSPECTION OF UNIT 4

TENDON	END	BEARING PLATE ID	CRACKS WITH WIDTHS >0.010"		
			QUANTITY	MAX. LENGTH (IN)	MAX. WIDTH (IN)
42H39	SHOP/BT 4	NOT VISIBLE	NONE	N/A	N/A
	FIELD/BT 2	NOT VISIBLE	NONE	N/A	N/A
42H51	SHOP/BT 4	NOT VISIBLE	NONE	N/A	N/A
	FIELD/BT 2	NOT VISIBLE	1	* SEE NOTE	< 0.030"
51H15	SHOP/BT 1	NOT VISIBLE	NONE	N/A	N/A
	FIELD/BT 5	NOT VISIBLE	NONE	N/A	N/A
62H82	SHOP/BT 6	NOT VISIBLE	NONE	N/A	N/A
	FIELD/ BT 2	NOT VISIBLE	NONE	N/A	N/A
64H14	SHOP/BT 6	NOT VISIBLE	NONE	N/A	N/A
	FIELD/BT 4	NOT VISIBLE	NONE	N/A	N/A

* NOTE: PLEASE REFERENCE SUPPLEMENT VOLUME VI, PAGE 40 OF THE VT-1C INSPECTIONS.



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IV. HYDRAULIC JACK CALIBRATIONS

Precision Surveillance has developed a program for calibrating hydraulic jacks utilizing regression analysis (PSC Procedure QA 12.8.G-W). This is a process where a straight line is mathematically best fitted to a set of data points (in this case, force verses gauge pressure). This results in calculating ram area (slope) and constant (y-intercept) for each jack calibration. Completed calibrations for all of the hydraulic jacks used are contained in Appendix E and are summarized in Table VII.

A before and after comparison of the stressing jacks' ram areas revealed that none of the stressing jacks' calibrations varied by more than 0.93% indicating that they were in a properly calibrated status.

The wire testing ram 7702 was also found to be in a properly calibrated status.

Note that the force exerted by a jack can be calculated as follows:

$$\begin{array}{ccccccc} \text{Force} & = & \text{Area} & \times & \text{Pressure} & + & \text{Constant} \\ (\text{F}) & & (\text{in}^2) & & (\text{KSI}) & & (\text{K}) \end{array}$$



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TABLE VII: HYDRAULIC JACK CALIBRATIONS

JACK ID	BEFORE SURVEILLANCE			FORCE (Fi)	AFTER SURVEILLANCE			FORCE (Ff)	MAX PRESS.	VARI %
	DATE	AREA (in ²)	CONSTANT (kips)		DATE	AREA (in ²)	CONSTANT (kips)			
9122	2/7/01	126.257	-1.693	970485.9	9/6/01	125.661	-2.162	965427.7	7700	0.52
9181	2/2/01	150.415	-0.775	856590.5	9/11/01	151.047	-3.339	857628.9	5700	0.12
9182	2/3/01	148.474	-3.712	842589.8	9/5/01	149.324	-0.739	850407.8	5700	0.93
7702	5/23/01	1.539	0.246	13327.5	7/16/01	1.542	0.078	13185.0	8500	1.07

RAM 7702 USED FOR WIRE TESTING



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V. TENDON LIFTOFFS AND DETENSIONING

A liftoff is performed on each surveillance tendon to monitor the force exerted by the tendon onto the structure. PSC Procedure SQ 9.0 (Volume 3, Section 9, Appendix F) details the steps to be taken to perform a liftoff. The results are documented on Data Sheet SQ 9.0 and are summarized in Table VIII.

It should be noted that performing a liftoff has only a localized effect on a tendon; therefore, it is acceptable to use the same jacks for both ends of a tendon by executing the liftoff on separate occasions.

All vertical, dome and horizontal tendon liftoffs were found to be above the expected lower limit and above minimum design. Liftoffs were found to be within their respective range of the predicted forces and would indicate performance within the expected design.

IWL requires that "the average of all measured tendon force for each type of tendon is equal or greater than the minimum required prestress specified at the anchorage for that type of tendon".

Minimum design stress values for Turkey Point tendons by group per design are:

Domes:	536.4 kips for a 90 wire tendon (5.96 kips/wire)
Verticals:	582.3 kips for a 90 wire tendon (6.47 kips/wire)
Horizontals:	530.1 kips for a 90 wire tendon (5.89 kips/wire)

The horizontal group average for the five tendons tested is 583.8 kips and above the group minimum, therefore acceptable. The averages for domes was 651.35 kips and verticals was 624.43 kips, both groups were above the required group minimum.

No additional or broken wires were noted during or after liftoffs.



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TABLE VIII: SUMMARY OF DATA SHEETS SQ 9.0 TENDON LIFTOFFS OF UNIT 3.

TENDON	END	EFFECT. WIRES	JACK NO.	LIFTOFF PRESS. (PSI)	LIFTOFF FORCE (KIPS)	AVE. L/OFF (KIPS)	NORM. FACTOR	NORM. L/OFF FORCE (KIPS)	MAX. L/OFF FORCE (KIPS)	LOWER LIMIT (KIPS)	90% LOWER LIMIT (KIPS)	95% LOWER LIMIT (KIPS)	ACCEPT
1D48	SHOP/BT 2-1	90	9182	4446.6	656.4	658.1	1.027	675.8	743	524	472	498	YES
	FIELD/BT 6-5	90	9182	4470.0	659.9								
2D19	SHOP/BT 4	90	9181	4006.6	601.8	591.7	0.975	576.9	743	536	483	510	YES
	FIELD/BT 1	90	9182	3943.3	581.7								
3D8	SHOP/BT 4	88	9181	4620	694.1	691.7	1.028	711	726.5	524	472	498	YES
	FIELD/BT 5-6	88	9122	5473	689.3								
3D43	SHOP/BT 1	90	9182	4446.6	656.4	650.2	0.987	641.7	667	524	472	498	YES
	FIELD/BT 3	90	9181	4286.6	644.0								
12V14	SHOP/TOP	90	9182	4500	664.4	664.4	0.974	647.1	743	582	524	553	YES
12V22	SHOP/TOP	89	9122	5066.6	637.9	637.9	0.984	627.6	734.8	576	518	547	YES
12V24	SHOP/TOP	89	9182	4283	632.2	632.2	0.984	622	743	576	518	547	YES
34V15	SHOP/TOP	89	9181	4250	638.4	638.4	0.961	613.5	734.7	576	518	547	YES
61V8	SHOP/TOP	90	9181	4380	658	658	0.958	630.3	743	582	524	553	YES
61V10	SHOP/TOP	90	9182	4286.6	632.7	632.7	0.958	606.1	669	582	524	553	YES



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TABLE VIII: SUMMARY OF DATA SHEETS SQ 9.0 TENDON LIFTOFFS OF UNIT 3.

TENDON	END	EFFECT. WIRES	JACK NO.	LIFTOFF PRESS. (PSI)	LIFTOFF FORCE (KIPS)	AVE. L/OFF (KIPS)	NORM. FACTOR	NORM. L/OFF FORCE (KIPS)	MAX. L/OFF FORCE (KIPS)	LOWER LIMIT (KIPS)	90% LOWER LIMIT (KIPS)	95% LOWER LIMIT (KIPS)	ACCEPT
42H30	SHOP/BT 4	90	9181	3910	587.3	587	0.965	566.4	743	530	477	504	YES
	FIELD/BT 2	90	9182	3976.6	586.7								
51H18	SHOP/BT 1	90	9182	4160	613.9	611.4	0.979	598.5	743	530	477	504	YES
	FIELD/BT 5	90	9181	4053.3	608.9								
51H21	SHOP/BT 1	90	9182	4356.6	643.1	620.7	0.959	595.2	743	530	477	504	YES
	FIELD/BT 5	90	9181	3983.3	598.3								
62H43	SHOP/BT 6	90	9181	3686.6	553.7	560	1.023	572.8	743	530	477	504	YES
	FIELD/BT 2	90	9182	3840	566.4								
64H22	SHOP/BT 6	90	9122	4666.6	587.4	582.1	1.007	586.1	743	530	477	504	YES
	FIELD/BT4	90	9181	3840	576.8								



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VI. WIRE INSPECTION AND TESTING

One wire was scheduled for removal from each detensioned tendon for visual inspection and tensile testing. PSC Procedure SQ 10.3 outlines the details involved with the wire testing and the data was recorded on Data Sheets SQ 10.2 and SQ 10.3 with the results summarized in Table IX.

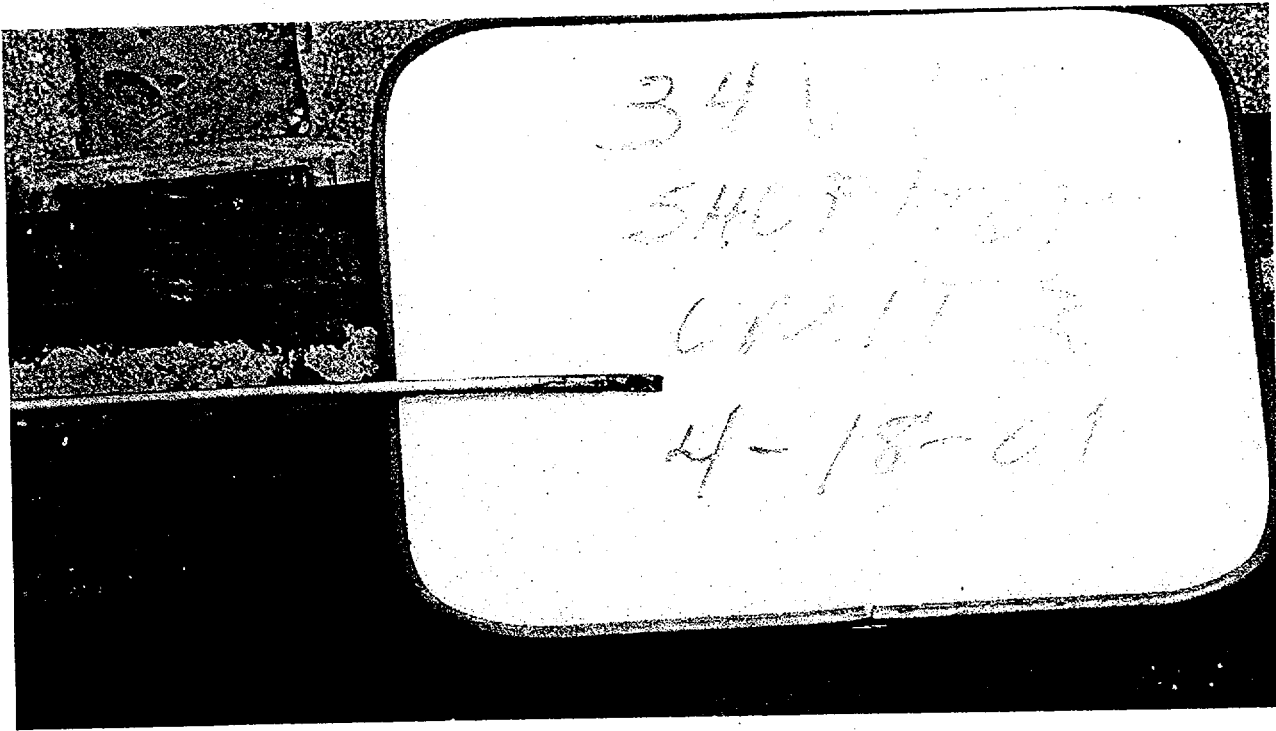
All wire diameters were within the acceptance criteria of 0.250 ± 0.002 ". The corrosion condition of the samples from tendons 2D19 and 62H43 were level 1 or level 2, however, samples from tendon 34V15 were level 3, 4 or 5 which is addressed in CR 01-0801. Despite the corrosion observed on some samples the Ultimate Strength exceeded the minimum strength criteria of 240,000 psi (240 ksi) for all wire samples tested and all elongations exceeded the minimum requirement of 4%.



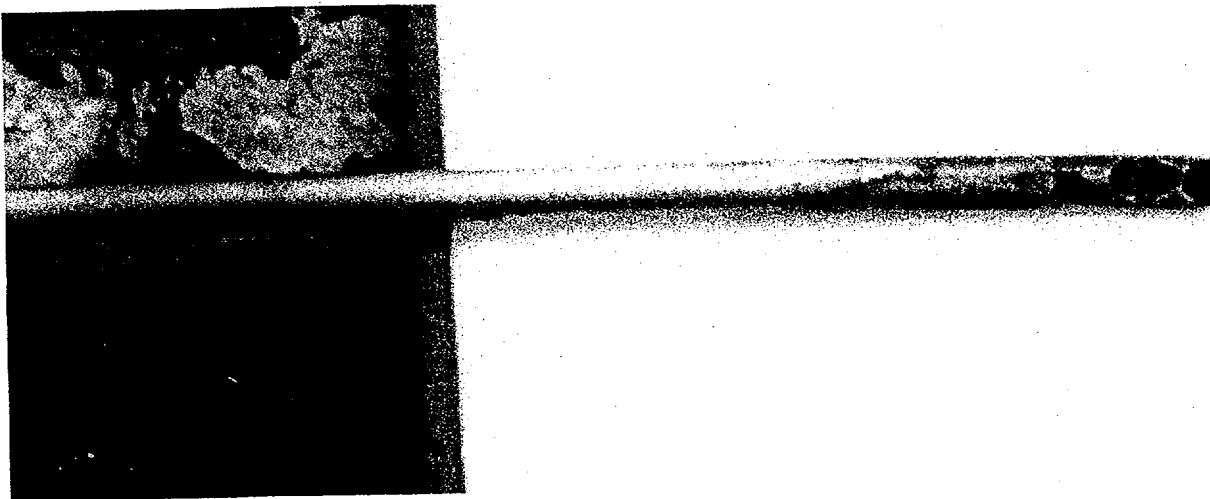
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VI. WIRE INSPECTION AND TESTING



Broken wire removed from 34V15.





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**TABLE IX: SUMMARY OF DATA SHEETS SQ 10.2 & 10.3
VISUAL INSPECTION AND TENSILE TESTING OF WIRE OF UNIT 3**

TENDON	SAMPLE No.	CORROSION CONDITION	SAMPLE LOCATION (FT)	DIAMETER (IN)	YIELD STRENGTH (PSI)	ULTIMATE STRENGTH (PSI)	ELONGATION %	ACCEPTABLE
2D19	1	1	20 - 29	0.25	216,941	255,502	4.10	YES
	2	1	60 - 69	0.25	223,681	257,853	4.50	YES
	3	1	110 - 119	0.25	219,919	257,226	4.40	YES
34V15	1	5	20 - 29	0.25	222,461	255,259	4.15	YES
	4	3	90 - 99	0.2493	223,507	258,334	4.10	YES
	5	3	120 - 129	0.25	223,072	258,112	4.15	YES
	6	4	130 - 139	0.2493	225,555	257,924	4.25	YES
62H43	1	2	20 - 29	0.25	222,270	255,502	4.20	YES
	2	2	70 - 79	0.25	220,076	251,740	4.10	YES
	3	2	120 - 129	0.25	219,449	254,718	4.50	YES



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VII. TENDON RETENSIONING AND RESEALING

Those tendons that were detensioned for wire removal, 2D19, 34V15 and 62H43 were retensioned per PSC Procedure SQ 11.0 (Volume 3, Section 9, Appendix F). The results of the retensioning process were recorded on Data Sheets SQ 11.0 and the results summarized in Table X. All new elongations were compared to calculated elongations due to thread strength analysis and OTSC0090-01 which gave a new overstress force of 15% higher than the as found liftoff, or 15% higher than the expected whichever was greater.

All of the tendons were found to be acceptable for retension elongation (within $\pm 10\%$) except 62H43 which had a 14% variance. This variance was evaluated as being due to a friction point breaking free between points 2 and 3. This can be seen on the attached graph of 62H43 where the curve starts to rise steeply from mid point after starting flatter. The standard tendon elongation is linear and the non-linear plot found during the retensioning of 62H43 supports the resolution in NCR FN 748-005. All tendons were locked off at forces greater than those initially found and all liftoffs were within $-0\% + 6\%$.

After completion of all inspections, the anchorage components were hand coated with cold grease to ensure complete coverage, the cans were reinstalled with new gaskets, and the necessary amount of sheathing filler (grease) was added. In all cases, the same amount or more grease was added than removed. Three tendons in Unit 4 accepted greater than 10% of the calculated tendon duct volume, tendons 1D36, 2D6 and 23V11. The results were evaluated in CR 01-0801, Sup. 3. and determined to be acceptable. Results of the grease replacement were recorded on Data Sheets SQ 12.1 and are summarized in Table XI.



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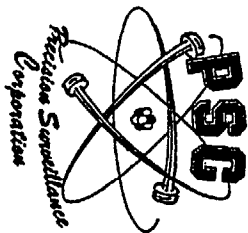


**TABLE X: SUMMARY OF DATA SHEETS SQ 11.0
TENDON RETENSIONING OF UNIT 3**

TENDON	END	ORIG. ELONG	OBSERVED ELONGATION		% VARI.	ACCEPT	LIFTOFF BEFORE RETEN.	RETENSIONING			% VARI.	ACCEPT.
		TOTAL	EACH	TOTAL				JACK	PRESS.	L/OFF		
2D19	SHOP/BT 4	6.64 *	2.80	6.90	+3.9	YES	601.8	9181	4040	606.9	+0.85	YES
	FIELD/BT 1	—	4.10	—	—	—	581.7	9182	3950	582.7	+0.17	YES
34V15	SHOP/TOP	8.87 *	9.35	9.35	+5.4	YES	638.4	9182	4443	655.9	+2.74	YES
62H43	SHOP/BT 6	7.77 *	4.20	8.90	+14.5	NO **	553.7	9181	4560	574	+3.67	YES
	FIELD/BT 2	—	4.70	—	—	—	566.4	9182	4060	599	+5.76	YES

* Based on engineering evaluation and OTSC 0090-01 Section D page 16.

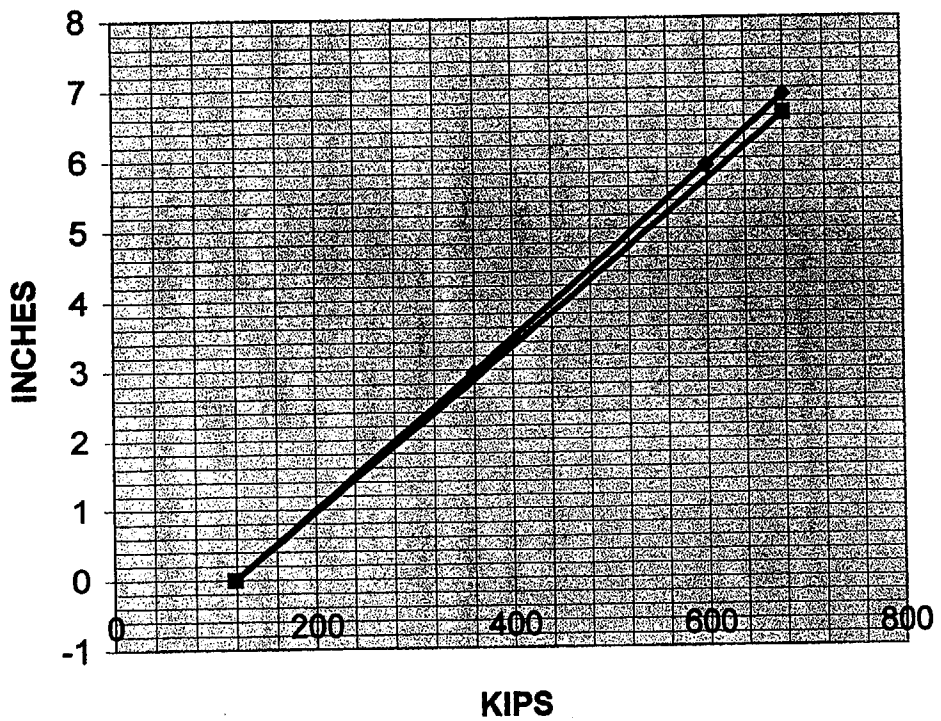
** See NCR FN748-005



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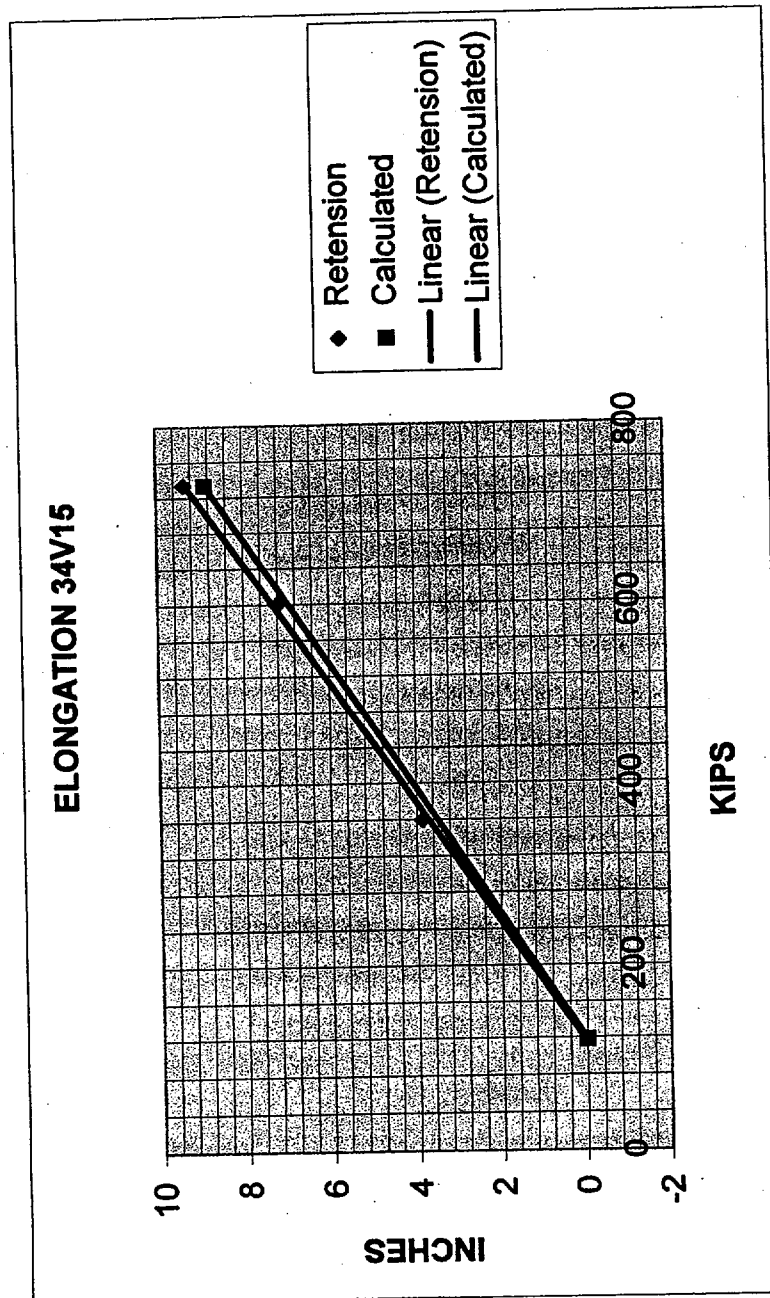


ELONGATION 2D19



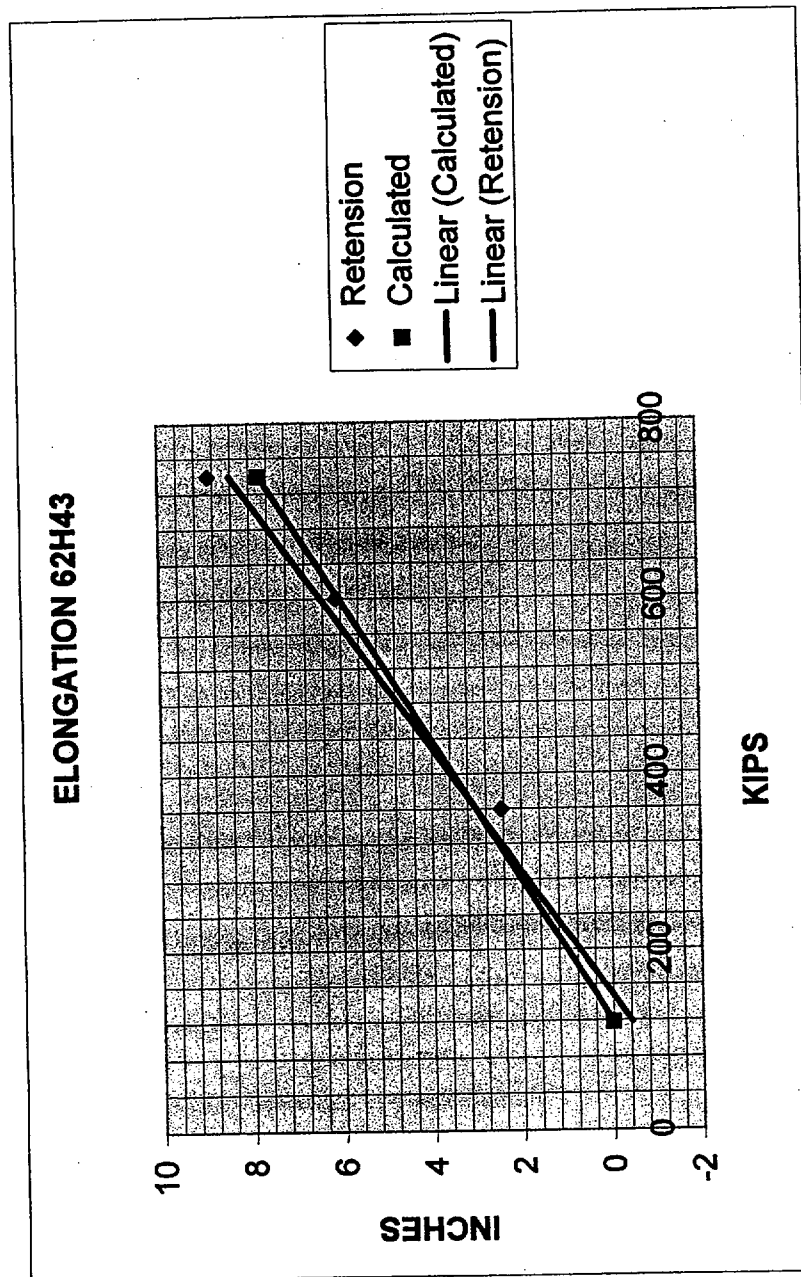


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TABLE XI: SUMMARY OF DATA SHEETS SQ 12.1 GREASE LOSS Vs GREASE REPLACEMENT OF UNIT 3.

TENDON	GREASE REMOVED			GREASE REPLACED			DIFF. (GAL.)	NET VOLUME	% VAR. DIFF.
	SHOP	FIELD	TOTAL (GAL.)	SHOP	FIELD	TOTAL (GAL.)			
1D34	0.00	2.00	2.00	0.00	3.00	3.00	1.00	56.52	1.77%
1D48	3.25	2.75	6.00	7.25	0.00	7.25	1.25	42.94	2.91%
1D49	1.75	2.75	4.50	7.25	0.00	7.25	2.75	42.53	6.47%
2D18	3.25	4.25	7.50	8.00	0.00	8.00	0.50	52.24	0.96%
2D19	20.75	20.00	40.75	0.00	41.00	41.00	0.25	54.51	0.46%
2D32	1.50	0.00	1.50	2.50	0.00	2.50	1.00	50.89	1.97%
3D8	2.75	1.75	4.50	0.00	5.50	5.50	1.00	41.59	2.40%
3D43	19.75	16.00	35.75	37.50	0.00	37.50	1.75	49.93	3.50%
12V14	1.75	41.75	43.50	15.00	29.25	44.25	0.75	78.94	0.95%
12V22	1.75	36.75	38.50	15.00	24.75	39.75	1.25	79.89	1.56%
34V15	2.25	65.50	67.75	27.00	44.25	71.25	3.50	79.15	4.42%
61V10	1.75	25.75	27.50	4.75	24.75	29.50	2.00	79.18	2.53%
42H29	2.75	1.50	4.25	0.00	6.25	6.25	2.00	67.61	2.96%
42H30	2.75	1.00	3.75	0.00	6.25	6.25	2.50	67.61	3.70%
42H75	1.00	0.00	1.00	2.25	0.00	2.25	1.25	67.75	1.85%
51H18	2.00	1.75	3.75	5.50	0.00	5.50	1.75	67.68	2.59%
51H21	2.00	1.75	3.75	6.50	0.00	6.50	2.75	67.33	4.08%
51H27	2.00	0.00	2.00	4.50	0.00	4.50	2.50	67.61	3.70%
62H43	9.75	5.50	15.25	18.00	0.00	18.00	2.75	67.75	4.06%
64H22	1.75	4.25	6.00	6.75	0.00	6.75	0.75	67.75	1.11%
13H01	1.50	0.00	1.50	3.00	0.00	3.00	1.50	67.64	2.22%
13H02	2.00	0.00	2.00	2.50	0.00	2.50	0.50	67.64	0.74%
13H03	2.25	0.00	2.25	6.25	0.00	6.25	4.00	67.64	5.91%



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TABLE XI: SUMMARY OF DATA SHEETS SQ 12.1 GREASE LOSS Vs GREASE REPLACEMENT OF UNIT 4

TENDON	GREASE REMOVED			GREASE REPLACED			DIFF. (GAL.)	NET VOLUME	% VAR. DIFF.
	SHOP	FIELD	TOTAL (GAL.)	SHOP	FIELD	TOTAL (GAL.)			
1D36	2.00	2.50	4.50	0.00	19.25	19.25	14.75	55.02	26.81
2D5	2.25	3.50	5.75	0.00	7.25	7.25	1.50	41.94	3.58
2D6	1.50	1.00	2.50	0.00	7.00	7.00	4.50	41.03	10.97
2D23	0.00	5.00	5.00	0.00	7.00	7.00	2.00	59.17	3.38
3D20	1.75	1.75	3.50	6.25	0.00	6.25	2.75	54.00	5.09
3D23	3.00	3.00	6.00	9.00	0.00	9.00	3.00	60.94	4.92
12V26	1.25	1.75	3.00	1.75	1.25	3.00	0.00	78.91	0.00
23V11	0.50	46.25	46.75	0.00	56.00	56.00	9.25	79.67	11.61
45V10	1.75	8.75	10.50	12.50	0.75	13.25	2.75	79.53	3.46
45V24	0.75	31.50	32.25	0.00	32.50	32.50	0.25	80.11	0.31
42H39	1.25	1.50	2.75	0.00	3.00	3.00	0.25	67.26	0.37
42H51	1.00	1.50	2.50	0.00	4.75	4.75	2.25	67.51	3.33
51H15	1.00	1.25	2.25	7.25	0.00	7.25	5.00	67.97	7.36
62H82	1.00	2.50	3.50	0.00	5.25	5.25	1.75	67.61	2.59
64H14	1.00	1.00	2.00	3.50	0.00	3.50	1.50	67.54	2.22
51H01	0.25	0.00	0.25	7.00	0.00	7.00	6.75	67.59	9.99



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VIII. COMPARISON WITH ORIGINAL INSTALLATION DATA

A comparison of the liftoff forces from this surveillance to the original installation lock-off forces is made in an effort to detect any evidence of system degradation. The lock-off forces are compared in order to detect any abnormal force loss which would possibly indicate an underestimation of the creep, shrinkage and/or elastic shortening effects in the Containment Building. This comparison is summarized in detail in table XII.

The losses for the tendon groups were found to be 20.34% for the vertical tendons, 15.01% for the dome tendons and 25.45% for the horizontal tendons. All values were above the predicted lower limit and these losses appear to be as expected for a containment of this age and do not indicate any degradation of the system.



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**TABLE XII: COMPARISON OF ORIGINAL LOCKOFF FORCES TO AS FOUND FORCES
UNIT 3**

TENDON	LIFTOFF FORCE		LOSS (kips)	PERCENTAGE %	AVERAGE PERCENTAGE
	ORIGINAL	@ 30 YEARS			
1D48	768	675.8	92.2	12.01	15.01
2D19	771	576.9	194.1	25.18	
3D8	765	711.0	54.0	7.06	
3D43	762	641.7	120.3	15.79	
12V14	774	647.1	126.9	16.40	20.34
12V22	763	627.6	135.4	17.75	
12V24	792	622.0	170.0	21.46	
34V15	792	613.5	178.5	22.54	
61V8	792	630.3	161.7	20.42	
61V10	792	606.1	185.9	23.47	
42H30	801	566.4	234.6	29.29	25.45
51H18	778	598.5	179.5	23.07	
51H21	793	595.2	197.8	24.94	
62H43	774	572.8	201.2	25.99	
64H22	771	586.1	184.9	23.98	



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IX. IWL CONCRETE INSPECTION

PURPOSE

This inspection was completed to determine the base line condition of the containment and to determine if any condition exists which could affect the containment integrity. The report, including data sheets and photographs, can be found attached to this report

SCOPE

The inspections were completed to PSC Procedure SQ8.4 and FPL-ENG-IWL 2.0 with FPL Relief Request No. 21. Unit #3 and Unit #4 were VT3-C remote inspected per PSC demonstration. These inspections determine the need for VT1-C inspection. In addition, FPL in a proactive action had grease drippage and leaks cleaned, unused steel brackets removed, corroded caps painted, and exposed metal or rebar grouted or painted under a series of Condition Reports.

SUMMARY OF RESULTS

C

The VT3-C inspection and VT1-C inspections were documented on FPL -ENG-IWL 2.0 Attachment 1 forms and are included in Supplemented Volumes V, VI and VII, Appendix A, B and C. Appendix includes the general notes and photographs used as supplementary data to the inspections. The VT1-C inspection required for the In-Service Inspection of Tendon Ends are included in Sections A9 and B9 of these appendices.

The VT3-C inspections have been completed in conjunction with the following Condition Reports.

CR 00-1434 Sup. 1	Tendon ends 13H01, 02 and 03
CR 01-0497 Sup. 1	Cleaning of grease, caps, removal of unused steel attachments and painting of caps.
CR 01-1326	Cleaning, coating, painting and/or patching of exposed steel or rebar as applicable.
CR 01-1441	Tendon end caps 51H01 - Inspection and replacement

In many instances the results of some indications were found not to exist after cleaning or were corrected as the CR work was completed.

For example, all the buttresses and dome bearing pockets of both units required cleaning of old grease spills, leaking all-threads tightened, grease inlet caps tightened and corroded caps cleaned and painted under CR01-0497. To assist in this scope, the VT3-C inspections were completed, which generated Tables XIII and XIV for Units #3 and #4 respectively. The data on these tables indicated over 200 cap gaskets were in question, but after cleaning none of the cans displayed active leaks. Therefore, none of the gaskets were required to be replaced at this time.



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The collection of grease and dirt over the years made it impossible to determine their condition until after cleaning. The tightening or resealing of the all-thread, washers and nuts on caps and grease inlet caps under CR 01-497 stopped all leaking of oil and grease. These leaks were small in volume and resealing them is not a repair, but maintenance of the system. The total amount of oil and dry grease removed was less than five gallons per Unit, which is less than the allowable grease loss of one horizontal tendon. It is likely that some leaks or new leaks will appear over time due to thermal changes, but this is of no concern and can be addressed at the next inspection period.

The heavy corroded caps were all cleaned and painted, except for two, which were replaced. 13H01 cap in Unit 3 was replaced per CR 00-1434, sup. 1 and 51H01 in Unit 4 was replaced per CR 01-1441. Both of these caps are located in the inspection pits and were subjected to standing water.

One location of Unit #4 showed moderate grease spillage and leakage at buttress 3 right side levels 14 and 15, which VT3-C inspection from a remote distance was unable to determine source of leakage. This area is inaccessible for cleaning or closer inspection due to high radiation levels. However, there is no sign that this has any effect on containment integrity. This is due to the fact that the grease loss is minimal and there are no clear signs of cap gasket leakage. The VT3-C reported many types of acceptable indications and 68 indications that required VT1-C, 22 on Unit #3 and 46 on Unit #4. All indications were acceptable or corrected to acceptable condition, except the three inaccessible locations listed on Tables XV and XVI. From review of VT3-C inspection, all three have been determined to be minor and to have no effect on the containment integrity. All of these conditions are evaluated in CR 01-1684 and were found acceptable. All exposed rebar and metal (i.e., plates, mesh, form tie ends, etc.) were cleaned and protected per the FPL CR 01-1326.

Efflorescence was present at many locations around the containment, particularly at the ring girder. These deposits were determined to be from run-off and have larger than normal deposits due to the plant location at ocean edge. The salt and other minerals are blow into the air and settle on the containment until flushed by rain water to the location of build-up. This is of no concern as no signs were found of the water or efflorescence affecting anything but the surface.

CONCLUSION

PSC inspection and review of corrective maintenance shows the containment concrete and reinforcing steel integrity have not been damaged or affected adversely from original construction to present date.

This report section complies to requirement of IWL and is approved by:

Ronald D. Hough

Ronald D. Hough, P.E.
Responsible Professional Engineer
President, Precision Surveillance Corporation



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TABLE XIII UNIT #3 VT3-C TENDON ENDS

BUTTRESS # & SIDE	INSPECTION SHEET	DESCRIPTION	INDICATION	CONDITION REPORT	RESULTS
1 LEFT	A3 PAGE 7	CAP 71 CAP 60 CAP 54 CAPS 36 & 37	HEAVY RUST TYPE 1,2,3 TYPE 1 TYPE 1	01-497 01-497 01-497 01-497	CLEANED & PAINTED *NO INDICATION *NO INDICATION *NO INDICATION
1 LEFT	A3 PAGE 8	CAPS 33 & 34 CAPS 36 & 37 CAP 1	TYPE 2 TYPE 1 HEAVY RUST	01-497 01-497 00-1434	*NO INDICATION *NO INDICATION CAP REPLACEMENT
2 RIGHT	A3 PAGE 12	CAPS 35,37,64,81 & 83 CAPS 31,32 & 33	TYPE 1 TYPE 2	01-497 01-497	*NO INDICATION *NO INDICATION
1 TO 2 RING GIRDER	A3 PAGE 15	CAPS 2D14,1D50,1D46,2D09,2D11 CAPS 2D26,2D22,1D42,1D28,2D03	TYPE 2 TYPE 1	01-497 01-497	*NO INDICATION *NO INDICATION
2 RIGHT	A3 PAGE 1	CAP 83	TYPE 1	01-497	*NO INDICATION
2 RIGHT	A3 PAGE 4	CAP 37	TYPE 2	01-497	*NO INDICATION
2 LEFT	A4 PAGE 1	CAP 79	TYPE 1	01-497	*NO INDICATION
2 LEFT	A4 PAGE 10	CAPS 48,49,70 & 80 CAPS 43 & 74 CAP 66 CAP 78	TYPE 2 TYPE 1 TYPE 3 TYPE 1,2,3	01-497 01-497 01-497 01-497	*NO INDICATION *NO INDICATION *NO INDICATION *NO INDICATION
2 LEFT	A4 PAGE 11	CAPS 28 THRU 32 & 37 CAPS 16 & 35 CAPS 17,19,41 & 42	TYPE 1 TYPE 2 TYPE 1,2	01-497 01-497 01-497	*NO INDICATION *NO INDICATION *NO INDICATION
3 RIGHT	A4 PAGE 13	CAPS 38 & 39 CAPS 51,52,53 & 76 CAP 59 CAP 80	TYPE 1 TYPE 2 TYPE 1,3 TYPE 3	01-497 01-497 01-497 01-497	*NO INDICATION *NO INDICATION *NO INDICATION *NO INDICATION
3 RIGHT	A4 PAGE 14	LEVEL 10 THRU 14	TYPE 1,2,3	01-497	
2 TO 3 RING GIRDER	A4 PAGE 17	CAPS 1D28,1D14,1D10,1D06,3D47,3D45 & 3D39 CAPS 3D34 & 3D36 CAP 1D14	TYPE 1 TYPE 2 TYPE 3	01-497 01-497 01-497	*NO INDICATION *NO INDICATION *NO INDICATION
3 LEFT	A5 PAGE 9	CAPS 46,47,48,49,58,61,66,71,77 & 79	TYPE 2	01-497	*NO INDICATION
3 LEFT	A5 PAGE 10	CAPS 5 & 19 CAP 23	TYPE 2 TYPE 1	01-497 01-497	*NO INDICATION *NO INDICATION
4 RIGHT	A5 PAGE 11	CAPS 61 & 81 CAPS 18,22,40,50 & 60 CAPS 18,19 & 27	TYPE 1,2 TYPE 2 TYPE 3	01-497 01-497 01-497	*NO INDICATION *NO INDICATION *NO INDICATION
3 TO 4 DOME RING GIRDER	A5 PAGE 15	CAPS 2D09,2D08,3D08,3D06 CAPS 2D28,2D22,3D02 CAPS 3D19,3D21,2D10,2D14,2D26,2D24,2D26 & 3D02 CAPS 2D21 & 3D16	TYPE 1 TYPE 1,2 TYPE 2 TYPE 2,3	01-497 01-497 01-497 01-497	*NO INDICATION *NO INDICATION *NO INDICATION *NO INDICATION
4 LEFT	A6 PAGE 1	CAPS 77,81	TYPE 1	01-497	*NO INDICATION
5 RIGHT	A6 PAGE 2	CAP 65 CAP 53	TYPE 1 TYPE 2	01-497 01-497	*NO INDICATION *NO INDICATION

TYPE 1 IS POSSIBLE GREASE LEAK AT CAP GASKET, IF FOUND VT1-C INSPECTION IS REQUIRED.
TYPE 2 IS POSSIBLE GREASE LEAK AT CAP ALL-THREADS, WHICH MAY BE CORRECTED WITHOUT VT1-C BY CR.
TYPE 3 IS POSSIBLE GREASE LEAK AT CAP'S GREASE INLET, WHICH MAY BE CORRECTED WITHOUT VT1-C
UNDER SCOPE OF CONDITION REPORT (CR).

*RESULTS AFTER COMPLETING WORK SPECIFIED ACTIONS OF CONDITION REPORT.



**FLORIDA POWER & LIGHT COMPANY
TURKEY POINT NUCLEAR PLANT - UNIT 3&4
30TH YEAR CONTAINMENT TENDON
SURVEILLANCE**



TABLE CONTINUED

TABLE XIII. UNIT #3 VT3-C TENDON

BUTTRESS # & SIDE	INSPECTION SHEET	DESCRIPTION	INDICATION	CONDITION REPORT	RESULTS
4 LEFT	A6 PAGE 3	CAP 54	TYPE 1	01-497	*NO INDICATION
4 LEFT	A6 PAGE 14	CAPS 35,37,54,72,76,80 CAPS 32,33	TYPE 1 TYPE 2	01-497 01-497	*NO INDICATION *NO INDICATION
5 RIGHT	A6 PAGE 15	CAPS 65,78,81 CAPS 22,23,34,35 CAPS 32,35	TYPE 1 TYPE 2 TYPE 3	01-497 01-497 01-497	*NO INDICATION *NO INDICATION *NO INDICATION
4 TO 5 RING GIRDER	A6 PAGE 21	CAPS 1D08,1D14,1D21,1D28, 2D28 & 2D38 CAPS 1D10,1D26,2D28,2D38 & 2D47 CAP 2D28	TYPE 1 TYPE 2 TYPE 3	01-497 01-497 01-497	*NO INDICATION *NO INDICATION *NO INDICATION
5 LEFT	A7 PAGE 1	CAP 76	TYPE 1	01-497	*NO INDICATION
5 LEFT	A7 PAGE 2	CAP 64	TYPE 1	01-497	*NO INDICATION
5 LEFT	A7 PAGE 3	CAP 53	TYPE 1	01-497	*NO INDICATION
6 RIGHT	A7 PAGE 3	CAP 54	TYPE 1	01-497	*NO INDICATION
6 RIGHT	A7 PAGE 4	CAP 37	TYPE 1	01-497	*NO INDICATION
5 LEFT	A7 PAGE 24	CAPS 53,64,76,82 CAPS 54,55,65,67,68,71,73	TYPE 1 TYPE 2	01-497 01-497	*NO INDICATION *NO INDICATION
6 RIGHT	A7 PAGE 26	CAPS 33,57,60,61 CAPS 49,50,59,60,61 CAP 71	TYPE 1 TYPE 2 TYPE 3	01-497 01-497 01-497	*NO INDICATION *NO INDICATION *NO INDICATION
5 TO 6 RING GIRDER	A7 PAGE 29 A7 PAGE 30	CAP 1D28 CAPS 1D50,1D55,3D06 CAPS 1D31,1D32,1D33,1D35,1D36, 3D02,1D42,1D47,1D52,3D20, 3D24,1D46,3D28,1D53,1D50 CAP 3D03	TYPE 1 TYPE 1 TYPE 2 TYPE 3	01-497 01-497 01-497 01-497	*NO INDICATION *NO INDICATION *NO INDICATION *NO INDICATION
6 LEFT	A8 PAGE 1	CAP 73	TYPE 3	01-497	*NO INDICATION
1 RIGHT	A8 PAGE 2	CAPS 66,67,68	TYPE 1	01-497	*NO INDICATION
6 LEFT	A8 PAGE 16	CAPS 37,55,74,79 CAPS 41,55 CAP 30	TYPE 1 TYPE 2 TYPE 3	01-497 01-497 01-497	*NO INDICATION *NO INDICATION *NO INDICATION
1 RIGHT	A8 PAGE 18	CAPS 56,67,68 CAPS 33,47,81 CAPS 31,35,56	TYPE 1 TYPE 2 TYPE 3	01-497 01-497 01-497	*NO INDICATION *NO INDICATION *NO INDICATION
6 TO 1 RING GIRDER	A8 PAGE 22	CAPS 2D37,2D39,3D48,2D49 CAPS 2D34,3D48,3D33,3D35,3D38,3D39	TYPE 1 TYPE 2	01-497 01-497	*NO INDICATION *NO INDICATION

TYPE 1 IS POSSIBLE GREASE LEAK AT CAP GASKET, IF FOUND VT1-C INSPECTION IS REQUIRED.
TYPE 2 IS POSSIBLE GREASE LEAK AT CAP ALL-THREADS, WHICH MAY BE CORRECTED WITHOUT VT1-C BY CR.
TYPE 3 IS POSSIBLE GREASE LEAK AT CAP'S GREASE INLET, WHICH MAY BE CORRECTED WITHOUT VT1-C
UNDER SCOPE OF CONDITION REPORT (CR).

*RESULTS AFTER COMPLETING WORK SPECIFIED ACTIONS OF CONDITION REPORT.



**FLORIDA POWER & LIGHT COMPANY
TURKEY POINT NUCLEAR PLANT - UNIT 3&4
30TH YEAR CONTAINMENT TENDON
SURVEILLANCE**



TABLE XIV. UNIT #4 VT3-C TENDON ENDS

BUTTRESS # & SIDE	INSPECTION SHEET	DESCRIPTION	INDICATION	CONDITION REPORT	RESULTS
1 RIGHT	B3 PAGE 18	CAPS 34,43,49,60,64 CAPS 9,10,37,44,81 CAP 31	TYPE 1 TYPE 2 TYPE 3	01-497 01-497 01-497	*B3 PAGE 21 NO INDICATION
2 LEFT	B3 PAGE 20	CAPS 58 THRU 66,83 CAPS 54 THRU 57,83 CAPS 77,79,80	TYPE 1 TYPE 2 CORROSION	01-497 01-497 01-497	*B3 PAGE 22 NO INDICATION
1 TO 2 RING GIRDER	B3 PAGE 28	CAPS 2D01,2D24,1D38,1D40,1D41 CAPS 1D32,2D03,2D17	TYPE 1 TYPE 2	01-497 01-497	*NO INDICATION *NO INDICATION
2 RIGHT	B4 PAGE 17	CAPS 25,27,28,60,74 CAPS 58,79,83 CAP 80	TYPE 1 TYPE 2 TYPE 3	01-497 01-497 01-497	*B4 PAGE 20 NO INDICATION
3 LEFT	B4 PAGE 18	CAP 41 CAPS 29,34,36,37,38 CAP 39	TYPE 1 TYPE 2 TYPE 3	01-497 01-497 01-497	*B4 PAGE 21 NO INDICATION
2 TO 3 RING GIRDER	B4 PAGE 25	CAPS 3D34,3D52,3D50,2D40,2D31,2D45,3D33 CAP 3D54 CAPS 3D43,3D55	TYPE 1 TYPE 2 TYPE 3	01-497 01-497 01-497	*NO INDICATION *NO INDICATION *NO INDICATION
3 RIGHT	B5 PAGE 18	CAPS 49,64,55,53,54,41 CAPS 55,53,54,41,46,52,37,45,56,82 CAPS 41,53,54,46,52,36,75,76	TYPE 1 TYPE 2 TYPE 3	01-497 01-497 01-497	*NO INDICATION *NO INDICATION *NO INDICATION
3 RIGHT	B5 PAGE 19	LEVEL 14 THRU 15	UNDETERMINED	01-497	INACCESSABLE
4 LEFT	B5 PAGE 20	CAPS 78,38,39,43,69,76 CAPS 78,45,74,80,82 CAPS 38,41,50,70,71	TYPE 1 TYPE 2 TYPE 3	01-497 01-497 01-497	*B5 PAGE 22 NO INDICATION
3 TO 4 RING GIRDER	B5 PAGE 26	CAPS 3D02,1D42,1D46,1D54,1D43 CAPS 3D04,3D10,1D40,1D41,3D01 CAPS 1D52,1D29,1D31,1D35,1D39 CAP 3D09 CAPS 3D14,3D13	TYPE 1 TYPE 1,2 TYPE 2 TYPE 1,3 TYPE 3	01-497 01-497 01-497 01-497 01-497	*NO INDICATION *NO INDICATION *NO INDICATION *NO INDICATION *NO INDICATION
4 RIGHT	B6 PAGE 21	CAPS 20,21,27,28,38,52,60,63,64,65 CAPS 40,43 CAPS 19,25,31,35,39,41,48,80,83 CAPS 16,26,10,11,62,76	TYPE 1 TYPE 1,2 TYPE 2 TYPE 1,3	01-497 01-497 01-497 01-497	*B6 PAGE 24 *B6 PAGE 25 NO INDICATION
5 LEFT	B6 PAGE 23	CAP 1	CORROSION	01-1441	CAP REPLACED
4 TO 5 RING GIRDER	B6 PAGE 28	CAPS 2D44,1D04,1D08,1D12,1D16, 1D03,1D19,2D37,2D39,2D47 CAPS 1D21,1D25,1D27 CAPS 2D49,1D23 CAPS 2D35	TYPE 1 TYPE 1,2 TYPE 2 CORROSION	01-497 01-497 01-497 01-497	*NO INDICATION *NO INDICATION *NO INDICATION *NO INDICATION
5 RIGHT	B7 PAGE 18	CAPS 45,50,66 CAPS 39,40,67 CAPS 75,79	TYPE 1 TYPE 2 TYPE 3	01-497 01-497 01-497	*NO INDICATION *NO INDICATION *NO INDICATION
6 LEFT	B7 PAGE 19	CAPS 27,30,31,32,34,37,40,43,46,48, 49,54,59,60,62 CAP 38	TYPE 1 TYPE 2	01-497 01-497	*NO INDICATION *NO INDICATION
5 TO 6 RING GIRDER	B7 PAGE 23	CAPS 3D16,2D24,3D31 CAPS 2D21,2D03	TYPE 1 TYPE 2	01-497 01-497	*NO INDICATION *NO INDICATION

TYPE 1 IS POSSIBLE GREASE LEAK AT CAP GASKET, IF FOUND VT1-C INSPECTION IS REQUIRED.
 TYPE 2 IS POSSIBLE GREASE LEAK AT CAP ALL-THREADS, WHICH MAY BE CORRECTED WITHOUT VT1-C BY CR.
 TYPE 3 IS POSSIBLE GREASE LEAK AT CAP'S GREASE INLET, WHICH MAY BE CORRECTED WITHOUT VT1-C
 UNDER SCOPE OF CONDITION REPORT (CR).
 *RESULTS AFTER COMPLETING WORK SPECIFIED ACTIONS



**FLORIDA POWER & LIGHT COMPANY
TURKEY POINT NUCLEAR PLANT - UNIT 3&4
30TH YEAR CONTAINMENT TENDON
SURVEILLANCE**



TABLE CONTINUED TABLE XIV. UNIT #4 VT3-C TENDON ENDS

BUTTRESS # & SIDE	INSPECTION SHEET	DESCRIPTION	INDICATION	CONDITION REPORT	RESULT
6 RIGHT	B8 PAGE 19	CAPS 13,18,20,23,31,69,74,80	TYPE 1	01-497	*NO INDICATION
		CAPS 8,10,27,26,60,76,78,82	TYPE 2	01-497	*NO INDICATION
		CAP 5	TYPE 3	01-497	*NO INDICATION
1 LEFT	B8 PAGE 21	CAPS 18,21,24,33,34,38,41,42,56,67	TYPE 1	01-497	*NO INDICATION
		CAPS 10,11,12,14,16,29,36,40,42,52,53,54,55,59,78	TYPE 2	01-497	*NO INDICATION
		CAPS 12,13,61	TYPE 3	01-497	*NO INDICATION
6 TO 1 RING GIRDER	B8 PAGE 25	CAPS 3D29,3D51,1D27,1D13,1D03,1D01,1D26,3D50, 3D48,3D46,3D55	TYPE 1	01-497	*NO INDICATION
		CAPS 3D43,3D38,3D28,3D55	TYPE 2	01-497	*NO INDICATION

TYPE 1 IS POSSIBLE GREASE LEAK AT CAP GASKET, IF FOUND VT1-C INSPECTION IS REQUIRED.

TYPE 2 IS POSSIBLE GREASE LEAK AT CAP ALL-THREADS, WHICH MAY BE CORRECTED WITHOUT VT1-C BY CR.

TYPE 3 IS POSSIBLE GREASE LEAK AT CAP'S GREASE INLET, WHICH MAY BE CORRECTED WITHOUT VT1-C UNDER SCOPE OF CONDITION REPORT (CR).

*RESULTS AFTER COMPLETING WORK SPECIFIED ACTIONS OF CONDITION REPORT.

TABLE XV. UNIT #3 VT1-C

LOCATION	VT3-C INSP. SHEET	VT1-C INSP. SHEET	DESCRIPTION	ACCEPTED BY VT1-C	ACCEPTED BY CR ACTION	COMMENTS
D1	A3 PAGE 2	A10 PAGE 1	VOID IN WALL	YES		
D2	A7 PAGE 3	A10 PAGE 2	SPALL & REBAR	NO	YES 01-1326	
D3	A8 PAGE 1	A10 PAGE 3	EFFLORESCENCE	YES		
D4	A8 PAGE 1	A10 PAGE 4	WOOD REMOVED	YES		
D5	A4 PAGE 4	A10 PAGE 5	WOOD REMOVED	YES		
D6	A8 PAGE 8	A10 PAGE 6	CONDUIT IN WALL	YES		
D7	A8 PAGE 10	A10 PAGE 7	WOOD REMOVED	YES		
D8	A8 PAGE 11	A10 PAGE 8	WOOD REMOVED	YES		
D9	A8 PAGE 11	A10 PAGE 9	WOOD REMOVED	YES		
D10	DELETED					
D11	A8 PAGE 11	A10 PAGE 10	WOOD REMOVED	NO	YES 01-1326	
D12	A5 PAGE 4	A10 PAGE 11	GREASE LEAK	YES		
D13	A7 PAGE 9	A10 PAGE 13	CRACKS IN GROUT	YES		
D14	A7 PAGE 12	A10 PAGE 14	EXPOSED REBAR	NO	YES 01-1326	
D15	DELETED					
D16	DELETED					
D17	A5 PAGE 4	A10 PAGE 15	GREASE LEAK	YES		
D18	A7 PAGE 12	A10 PAGE 17	WOOD REMOVED	YES		
D19	A6 PAGE 6	A10 PAGE 18	CRACK	YES		
D20	A6 PAGE 7	A10 PAGE 19	GREASE LEAK	YES		
D21	A5 PAGE 6	A10 PAGE 20	GREASE LEAK	YES		
D22	A6 PAGE 11	A10 PAGE 21	GREASE LEAK IN RESTRICTED AREA	NO	YES 01-1684	INACCESSIBLE
D23	A4 PAGE 16	A10 PAGE 22	EXPOSED REBAR	NO	YES 01-1326	
D24	A6 PAGE 20	A10 PAGE 23	VOID IN LOCATION INACCESSABLE	NO	YES 01-1684	INACCESSIBLE
D25	A2 PAGE 6	A10 PAGE 24	WOOD REMOVED	YES		



**FLORIDA POWER & LIGHT COMPANY
TURKEY POINT NUCLEAR PLANT - UNIT 3&4
30TH YEAR CONTAINMENT TENDON
SURVEILLANCE**



UNIT XVI. VT1-C UNIT 4

LOCATION	VT3-C INSP. SHEET	VT1-C INSP. SHEET B10	DESCRIPTION	ACCEPTED BY VT1-C	ACCEPTED BY C.R. ACTION	COMMENTS
4D1	B1 PAGE 2	PAGE 1	GREASE LEAK	YES		
4D2	B3 PAGE 6	PAGE 2	EXPOSED METAL	NO	YES 01-1326	
4D3	B3 PAGE 9	PAGE 3	EXPOSED METAL	YES		
4D4	B3 PAGE 12	PAGE 4	GREASE LEAK	YES		
4D5	B3 PAGE 11	PAGE 5	GREASE LEAK	YES		
4D6	B3 PAGE 14	PAGE 6	EXPOSED METAL	NO	YES 01-1326	
4D7	B3 PAGE 24	PAGE 7	CONCRETE VOID	YES		
4D8	B3 PAGE 24	PAGE 8	EXPOSED REBAR	NO	YES 01-1326	
4D9	B3 PAGE 26	PAGE 9	EXPOSED REBAR	NO	YES 01-1326	
4D10	B4 PAGE 9	PAGE 10	EXPOSED PLATE	YES	YES 01-1326	
4D11	B4 PAGE 23	PAGE 11	EXPOSED REBAR	NO	YES 01-1684	*
4D12	B5 PAGE 1	PAGE 12	EXPOSED METAL	YES	YES 01-1326	
4D13	B5 PAGE 2	PAGE 13	EXPOSED REBAR	NO	YES 01-1326	
4D14	B5 PAGE 3	PAGE 14	GREASE LEAK	YES		
4D15	B5 PAGE 4	PAGE 15	EXPOSED REBAR	NO	YES 01-1326	
4D16	B5 PAGE 6	PAGE 16	EXPOSED METAL	YES	YES 01-1326	
4D17	B5 PAGE 10	PAGE 17	GREASE LEAK	YES		
4D18	B5 PAGE 12	PAGE 18	EXPOSED REBAR	NO	YES 01-1326	
4D19	B5 PAGE 13	PAGE 19	EXPOSED REBAR	NO	YES 01-1326	
4D20	B5 PAGE 25	PAGE 20	EXPOSED REBAR	NO	YES 01-1326	
4D21	B5 PAGE 25	PAGE 21	CONCRETE VOID	YES	YES 01-1326	
4D22	B5 PAGE 25	PAGE 22	REMOVED WOOD	YES	YES 01-1326	
4D23	B6 PAGE 1	PAGE 23	EXPOSED REBAR	NO	YES 01-1326	
4D24	B6 PAGE 11	PAGE 24	GREASE LEAK	YES		
4D25	B6 PAGE 12	PAGE 25	EXPOSED REBAR	NO	YES 01-1326	
4D26	B7 PAGE 9	PAGE 26	EXPOSED REBAR	NO	YES 01-1326	
4D27	B7 PAGE 12	PAGE 27	GREASE LEAK	YES		
4D28	B7 PAGE 22	PAGE 28	REMOVED WOOD	YES	YES 01-1326	
4D29	B8 PAGE 1	PAGE 29	EXPOSED REBAR	NO	YES 01-1326	
4D30	B8 PAGE 12	PAGE 30	SPALL	YES	YES 01-1326	
4D31	B8 PAGE 13	PAGE 31	CONCRETE VOID	YES	YES 01-1326	
4D32	B8 PAGE 16	PAGE 32	EXPOSED REBAR	NO	YES 01-1326	
4D33	B8 PAGE 15	PAGE 33	EXPOSED REBAR	NO	YES 01-1326	
4D34	B4 PAGE 24	PAGE 34	EXPOSED REBAR	NO	YES 01-1326	
4D35	B3 PAGE 25	PAGE 35	CONCRETE VOID	YES		
4D36	B6 PAGE 27	PAGE 36	EXPOSED REBAR	NO	YES 01-1326	
4D37	B6 PAGE 23	PAGE 37	CORODED CAP	NO	YES 01-1441	
4D38	B4 PAGE 24	PAGE 42	EXPOSED REBAR	NO	YES 01-1326	
4D39	B6 PAGE 14	PAGE 43	GREASE LEAK	YES		
4D40	B8 PAGE 24	PAGE 44	CONCRETE VOID	YES		
4D41	B8 PAGE 24	PAGE 45	EXPOSED REBAR	NO	YES 01-1326	
4D42	B8 PAGE 24	PAGE 46	CONCRETE VOID	YES		
4D43	B8 PAGE 24	PAGE 47	EXPOSED METAL	YES		
4D44	B8 PAGE 24	PAGE 48	CONCRETE VOID	YES		
4D45	B8 PAGE 24	PAGE 49	EXPOSED METAL	YES		
4D46	B8 PAGE 9	PAGE 50	CONCRETE CRACK	YES		

* Requires special equipment to reach.



**FLORIDA POWER & LIGHT COMPANY
TURKEY POINT NUCLEAR PLANT - UNIT 3&4
30TH YEAR CONTAINMENT TENDON
SURVEILLANCE**



CONCLUSION

Based upon an evaluation of the In-Service Inspection results for the Thirtieth Year Physical Tendon Surveillance reported herein, PSC concludes that Turkey Point's Unit 3 & 4 Containment Structure's have experienced no abnormal degradation of the post tensioning system.

In addition, PSC inspection of the containment and a review of corrective maintenance shows the containment concrete and reinforcing steel integrity have not been damaged or affected adversely from original construction to present date.

**TURKEY POINT
UNIT 3**

2001 REFUELING OUTAGE

SUMMARY OF SYSTEM PRESSURE TESTING

TURKEY POINT

UNIT 3 CYCLE 19

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 ~~A~~3
P.O. Box 4332
Princeton, Florida, 33032

Commercial Service Date: December 14, 1972

Prepared BY: Charles K Tudor Date: 12/10/01

Reviewed By: Ed Lyons Date: 12/10/01

Approved By: Charles K Tudor Date: 12/10/01

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 19 which were performed during the Fall 2001 refueling outage. This outage occurred between the dates of September 29, 2001 and October 27, 2001, and covers the dates from March 26, 2000 through October 27, 2001. This pressure testing is being reported following the first outage of the third period for 3rd 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.

3-OSP-041.25 RCS Overpressure Leak Testing

3-OSP-45.1 ASME Section XI Quality Group A Bolting Examination*

3-OSP-45.2 ASME Section XI Quality Group B Bolting Examination*

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

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.

System Name	System Number
Intake Cooling Water	19
Component Cooling Water	30
Reactor Coolant	41
Chemical and Volume Control	47
Containment Spray	68
Main Steam	72
Feedwater	74

Acronyms

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

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.

INTAKE COOLING WATER 19

03-ICW-19115-L-01

This test was performed due to the replacement of Pump 3P9A, XJ-3-1406, and check valve 3-50-311 under WO #31001519. No leakage was observed during this test.

COMPONENT COOLING WATER SYSTEM 30

03-CCW-30205-I-03 Test Date: 10/08/01

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-30206-I-03 Test Date: 10/08/01

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-30210-I-03 Test Date: 09/08/01

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-30211-I-01 Test Date: 09/27/01

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-30312-I-01 Test Date: 10/22/01

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-30213-I-01 Test Date: 10/08/01

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-30325-L-01 Test Date: 10/19/01

This test was performed due to the replacement of valve RV-3-175 under WO #310006258. No leakage was observed during this test.

REACTOR COOLANT SYSTEM 41

03-RCS-4101-L-06 Test Date:10/26/01

This test involved the leakage test of the Reactor Coolant System piping inside containment following the Unit 3 Cycle 19 Refueling Outage. This leakage test addressed the following replacements.

Component	WO #	Replaced
RV-4-551A	31004432	Remove, install spare
RV-4-551B	31004433	Remove, install spare
RV-4-551C	31004434	Remove, install spare
3-305	31006045	Replacement
PCV-3-455A	29016849	Bonnet Replacement

CHEMICAL AND VOLUME CONTROL CHARGING AND LETDOWN SYSTEM 47

03-CVCS-4747-I-03 Test date: 08/31/01

This Inservice test was performed to meet the ASME Section XI 1989 Edition periodic pressure test requirements. Leakage was observed at bolted connection on RV-3-283B. Condition report written CR# CR-01-1606 and Work order # 31016535 completed. No through wall leakage was observed.

CONTAINMENT SPRAY SYSTEM 68

03-CSS-6814-F-03

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

MAIN STEAM SYSTEM 72

03-SG-7201-I-03 Test Date: 09/27/01

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

03-SG-7202-I-03 Test Date: 09/26/01

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

03-SG-7203-I-03 Test Date: 09/27/01

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-7422-I-03 Test Date: 04/06/99

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

03-FW-7423-I-03 Test Date: 04/06/99

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

03-FW-7424-I-03 Test Date: 04/06/99

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

03-FW-7428-I-03 Test Date: 04/06/99

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

03-FW-7429-I-03 Test Date: 04/06/99

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

03-FW-7430-I-03 Test Date: 04/06/99

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