TURKEY POINT PLANT
UNIT 4

# 1993 INSERVICE INSPECTION REPORT

## Executive Summary

The inservice inspection examinations performed during this outage and the cumulative total of exams meet the requirements of ASME Section XI. No unacceptable conditions or reportable indications were found.

100% of the A, B, and C steam generator tubes were eddy current tested. No tubes were plugged during this outage.

The NIS-2 forms discuss the repairs and replacements which took place during the 1993 refueling/maintenance outage.

Visual examination and functional testing of snubbers was completed in accordance with ASME Section XI and Technical Specifications. Visual examinations did not reveal any failures. There were three snubber failures in the functional test sample, and no failures in the expanded samples.

The inservice inspection summary tables detail the examinations performed during the second outage of the third period of the second interval.

Selected class 2 and 3 piping were hydrostatically tested in accordance with Section XI of the ASME Boiler and Pressure Vessel Code. All leakage found during the testing was from mechanical joints. Each leak was addressed by repair or adjustment under the control of a Plant Work Order.

# TURKEY POINT UNIT 4
# 1993 REFUELING OUTAGE

## Form NIS-1 Owners' Data Report for Inservice Inspections

FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS



1. Owner: Florida Power and Light Company, P.O. Box 029100, Miami, Florida 33102

2. Plant: Turkey Point Nuclear Power Plant, P.O. Box 3088, Florida City, Florida 33034

3. Plant Unit: 4

4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date : September 7, 1973

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. |
|---|---|---|---|---|
| Steam Generator C | Westinghouse | 16A-6341-3<br>FSGT-2993<br>4E210C | N/A | N-776 |
| Reactor Coolant Pump A | Westinghouse | 5-618J713 | N/A | N/A |
| Reactor Coolant Pump B | Westinghouse | 6-618J713 | N/A | N/A |
| Regenerative Heat Exchanger | Sentry Equipment | 4E200 | N/A | N/A |
| Residual Heat Exchanger A | Bechtel | 4E206A | N/A | N/A |
| Excess Letdown Heat Exchanger | Bechtel | 4E202 | N/A | N/A |
| Residual Heat Removal Pump A | Bechtel | 4P210A | N/A | N/A |
| Residual Heat Removal Pump B | Bechtel | 4P210B | N/A | N/A |

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| Component or Appurtenance | Manufacturer or Installer | Manufacturer or Installer Serial No. | State or Province No. | National Board No. |
|---|---|---|---|---|
| Reactor Coolant System Piping<br><br>4"-RC-1401<br>4"-RC-1402<br>4"-RC-1405<br>4"-RC-1406<br>12"-RC-1401<br>27.5"-RCS-1406<br>27.5"-RCS-1407<br>27.5"-RCS-1409 | Bechtel | N/A | N/A | N/A |
| Residual Heat Removal Piping<br><br>6"-SI-2402<br>6"-SI-2403<br>8"-RHR-1401<br>8"-RHR-1404<br>8"-SI-2403<br>8"-SI-2407<br>8"-SI-2408<br>10"-SI-1402<br>10"-RHR-2401<br>10"-RHR-2402<br>10"-RHR-2404<br>10"-SI-2403<br>12"-RHR-2402<br>14"-RHR-2401<br>14"-RHR-2402<br>14"-RHR-2403<br>14"-RHR-2405<br>14"-RHR-2406 | Bechtel | N/A | N/A | N/A |

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| Component or Appurtenance | Manufacturer or Installer | Manufacturer or Installer Serial No. | State or Province No. | National Board No. |
|---|---|---|---|---|
| Safety Injection Piping<br><br>2"-SI-1401<br>2"-SI-1402<br>2"-SI-1406<br>8"-SI-2401<br>8"-SI-2405<br>10"-SI-2401<br>10"-SI-2402<br>16"-SI-2401 | Bechtel | N/A | N/A | N/A |
| Chemical and Volume Control Piping<br><br>1.5"-CH-1401<br>2"-CH-1402<br>2"-CH-1404<br>2"-CH-1405<br>3"-CH-1401<br>3"-CH-1402<br>3"-CH-1403 | Bechtel | N/A | N/A | N/A |
| Steam Generator Blowdown Piping<br><br>6"-BDA-2401<br>6"-BDB-2402<br>6"-BDC-2403 | Bechtel | N/A | N/A | N/A |
| Main Steam Piping<br><br>26"-MSA-2401<br>26"-MSB-2402 | Bechtel | N/A | N/A | N/A |
| Containment Spray Piping<br><br>6"-CS-2402<br>6"-CS-2404 | Bechtel | N/A | N/A | N/A |

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6. National Board Number for Unit: N/A

| Component or Appurtenance | Manufacturer or Installer | Manufacturer or Installer Serial No. | State or Province No. | National Board No. |
|---|---|---|---|---|
| Feedwater Piping<br><br>6"-FW-2401<br>6"-FW-2402<br>6"-FW-2403<br>14"-FW-2401<br>14"-FW-2402<br>14"-FW-2403<br>18"-FW-2401<br>18"-FW-2402<br>18"-FW-2403 | Bechtel | N/A | N/A | N/A |
| Component Cooling Water Piping<br><br>Zone 120<br>Zone 121<br>Zone 123<br>Zone 125<br>Zone 126<br>Zone 127<br>Zone 129<br>Zone 131<br>Zone 132<br>Zone 133<br>Zone 134<br>Zone 136<br>Zone 137<br>Zone 140<br>Zone 141<br>Zone 151<br>Zone 154 | Bechtel | N/A | N/A | N/A |
| Spent Fuel Pool Cooling Water | Bechtel | N/A | N/A | N/A |
| Intake Cooling Water | Bechtel | N/A | N/A | N/A |

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| Component or Appurtenance | Manufacturer or Installer | Manufacturer or Installer Serial No. | State or Province No. | National Board No. |
|---|---|---|---|---|
| Auxiliary Feedwater Piping<br><br>Zone 160<br>Zone 161<br>Zone 163 | Bechtel | N/A | N/A | N/A |

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6. National Board Number for Unit: N/A

8. Examination Dates: April 11, 1993 to June 2, 1993

9. Inspection Interval: from 4/14/84 to 4/13/94
Inspection Period: from 11/25/90 to 4/13/94

10. Abstract of Examinations and Statement Concerning Status of Work Required for Current Interval:

The Inservice Examination of selected Class 1, 2, and 3 components and piping systems of Florida Power and Light's Turkey Point Unit 4 was performed during the 1993 Refuel Outage. This outage began on April 11, 1993 and ended on June 2, 1993. This was the second outage of the third period of the second interval.

The components and piping systems examined were selected per the Second Ten Year Inspection Plan, which was prepared in accordance with the requirements of the 1980 Edition of ASME Section XI with addenda through Winter 1981.

Eddy Current examinations were conducted by FPL personnel from April, 1993 through May, 1993 on Steam Generators A, B, and C. A total of 9,610 tubes were examined. See the attached NIS-BB report for the summary of examination results.

The augmented Feedwater Nozzle piping examination program was conducted during this outage on all three Feedwater lines. 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. Cracking was detected on all three nozzle to reducer welds. The reducers were replaced.

An augmented examination was performed on the upper shell to transition piece weld of Steam Generator A. This was in response to industry concerns on cracking in this weld that has been found at other plants. No reportable indications were found.

Snubber functional testing and visual examinations were conducted in accordance with Turkey Pt. 4 Plant Technical Specifications. Examination and testing services were supplied by Siemens Nuclear Power Services, Inc. during the period of April 21,1993 through May 18, 1993.

System Pressure testing was conducted by plant personnel to applicable Plant Technical Specifications and Procedures.

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System Hydrostatic Testing were performed by plant personnel during the period of April 13, 1993 through May 13, 1993 in accordance with Code requirements and Code Case N-498.

The number of examinations performed during this outage and the cumulative total of exams exceed the requirements of Program B of ASME Section XI.

11. Abstract of Conditions Noted
12. Abstract of Corrective Measures Recommended and Taken

Non-destructive examinations were performed on selected welds in class 1, 2, and 3 systems. Volumetric examination methods included Eddy Current, Ultrasonic, and Radiography methods. Surface examinations were conducted with Penetrant and Magnetic Particle methods. Visual techniques were utilized on component supports and other areas where required.

Class 1

Steam Generator "C"

The inlet and outlet manway bolting was examined. Several bolts showed minor corrosion, dents, and other mechanically induced flaws. These bolts were replaced.

Regenerative Heat Exchanger

FPL conducted a visual (VT-3) examination on the Regenerative Heat Exchanger at the beginning of the outage, and a VT-2 during the RCS over pressure test. These examinations were conducted in accordance with Relief Request No. 3. No evidence of leakage or boric acid accumulation from the Regenerative Heat Exchanger was noted.

Reactor Coolant Piping

The elbow to nozzle welds on the RPV inlets were examined using surface techniques. Volumetric requirements were satisfied during the previous outage. No recordable indications were noted.

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The spring hanger on the pressurizer surge line was replaced and the associated integral attachment was permanently removed. A baseline examination was performed. There were no reportable indications.

Flange bolting and component supports on several lines were examined with Visual techniques. No reportable indications were noted. One weld was examined with radiography. There were no reportable indications.

Residual Heat Removal Piping

Several welds were examined using ultrasonic and/or penetrant techniques. Normal weld geometry was recorded. No reportable indications were noted.

Component supports were examined with Visual techniques. No reportable conditions were noted.

Safety Injection Piping

Several welds were examined using ultrasonic and/or penetrant techniques. Normal weld geometry was recorded. One penetrant indication was noted. An engineering evaluation determined it to be a surface anomaly, present since the plant went on line. It was removed and the area was re-examined. No other reportable indications were noted.

Component supports were examined with Visual techniques. One support tag was missing. The support tag will be replaced. No reportable indications were noted.

Chemical and Volume Control Piping

Surface and volumetric examinations were conducted on selected welds. No reportable indications were noted.

Other Class 1 Information

FPL has recently reviewed the plant Piping and Instrumentation Drawings in an effort to incorporate, to the extent practical, the current guidelines on Section XI Code boundaries. This has

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resulted in several areas being reclassified to either higher or lower Quality Groups. The Seal Leakoff from the Reactor Coolant Pumps was reclassified from Class 1 to Class 2. This resulted in the elimination of these lines from volumetric and surface examination requirements due to current Class 2 exemptions.

In accordance with IWB-2420(a), examinations performed during the first interval were repeated to the extent practical. The following examination areas were substituted:

Zone 040 - Weld 2"-SI-1401-3 was substituted for weld 2"-SI-1401-2. A non-removable support was interfering with cleaning of the examination area. Instead of having limitations, the weld next to this one was selected.

Zone 044 - Weld 2"-SI-1406-3 was substituted for weld 2"-SI-1406-2. A non-removable support was interfering with cleaning of the examination area. Instead of having limitations, the weld next to this one was selected.

Zone 047 - Weld 3"-CH-1403-7 was substituted for weld 3"-CH-1403-2. Weld 7 is located in an exclusion area (high radiation) and was not available for examination. A weld down the line was selected.

## Class 2

Residual Heat Removal Pumps

During the previous outage on Unit 3, a leak was found in one of the RHR Pump bodies. The flaw was removed and weld repaired. Examinations were performed on the Unit 4 pumps to assure that leaks had not developed in the other unit. No reportable indications were noted.

Residual Heat Removal

Volumetric and/or surface examinations were performed on selected welds. No reportable indications were noted. Visual examinations were conducted on selected component supports. Drawing discrepancies were noted. The supports were accepted as-is by engineering evaluation. The drawings will be updated to reflect field conditions. A loose lock nut was noted on one support. It was tightened under a Plant Work Order.

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Safety Injection

Surface examinations were performed on selected welds. No reportable indications were noted.

Containment Spray

Surface examinations were performed on selected welds. No reportable indications were noted.

Main Steam

Surface examinations were performed on selected welds. No reportable indications were noted.

Steam Generator Blowdown

Volumetric and/or surface examinations were performed on selected welds. Acceptable indications were noted. Visual examinations were conducted on selected component supports. No reportable indications were noted.

Feedwater Bypass

Visual examinations were performed on selected component supports. Chipped concrete was found on one support. It was accepted as-is by engineering evaluation. It will be corrected under a Plant Work Order. No other reportable indications were noted.

Excess Letdown Heat Exchanger

Volumetric examinations were performed on a circumferential weld. A long seam was discovered during this examination. Both welds were examined with no reportable indications.

Residual Heat Removal Heat Exchangers

Surface or volumetric examinations were performed on selected welds. No reportable indications were noted.

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## Class 3

### Component Cooling Water

Visual examinations were performed on selected supports and integral attachments. Indications found included paint on spherical bearings, drawings discrepancies, improper spring can settings, and one partially dislodged spherical bearing. These were all accepted by engineering evaluation as performing their intended function. The spherical bearings will be cleaned under a Plant Work Order.

### Auxiliary Feedwater

Visual examinations of selected component supports and integral attachments were conducted. Damaged insulation was noted on an adjacent line next to one support. This was accepted as-is by engineering evaluation. The insulation will be modified to provide more clearance for the support.

## Augmented Examinations

### Reactor Coolant Flywheel Examinations

The 4A Reactor Coolant Pump Motor was replaced during this outage. The removed pump motor will have routine maintenance on it in accordance with Turkey Point procedures. The pump motor placed in service is serial no. 1S-76P499. The flywheel of this motor was examined by Surface and Volumetric techniques by Westinghouse in their Pittsburgh facilities in accordance with Reg. Guide 1.14. No indications were noted.

The flywheel on Reactor Coolant Pump 4B was volumetrically examined. No indications were reported.

### Main Feedwater System Piping

An augmented Feedwater Nozzle examination program was conducted during this outage on all three Steam Generators. An ultrasonic examination was performed from the nozzle taper to one pipe diameter beyond the elbow to pipe weld. The examinations detected cracking in the reducer side of the reducer to feedwater nozzles on

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all three lines. The reducers were replaced and baseline examinations were performed on the new welds.

Steam Generators

The secondary side of all three Steam Generators were visually examined. No reportable indications were noted.

The "CL" weld on Steam Generator A (transition cone to upper shell) was examined. This examination was performed as part of an ongoing program by FPL to monitor this weld in the Turkey Point Steam Generators. This is due to concern with cracking that has been detected in this weld at other plants. No reportable indications were found.

| Report Number | Organization | Description of Services |
|---|---|---|
| N/A | FPL | Summary Report of Hydrostatic Testing Program Turkey Point Unit No. 4 Refuel Outage |
| N/A | FPL | Summary Report Visual Examination and Functional Testing of Snubbers |

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

Owner : Florida Power and Light Company

By: John Hutchins Date: 8/11/93

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

Certificate of Inservice Inspection

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Dade County and employed by Arkwright Mutual Insurance Company of Norwood, Massachusetts have inspected the components described in this Owners' Data Report during the period 04/11/93 to 06/02/93 , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owners' Data Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, and neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Inspector's Signature

NB 8230 (N)(1)
National Board, State, Province, and No.

Date: August 18, 1993

TURKEY POINT UNIT 4
1993 REFUELING OUTAGE

Form NIS-BB Owners' Data Report for Eddy Current Examinations

FPL



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 4

EXAMINATION DATES: APRIL 24, 1993 thru APRIL 28, 1993

| STEAM GENERATOR | TOTAL TUBES INSPECTED | TOTAL TUBES | | TUBES PLUGGED AS PREVENTIVE MAINTENANCE | TUBES PLUGGED THIS OUTAGE | TOTAL PLUGGED TUBES IN S/G |
|---|---|---|---|---|---|---|
| | | 20% - 39% | 40% - 100% | | | |
| 4E210A | 3198 | 2 | NONE | NONE | NONE | 16 |
| 4E210B | 3206 | 9 | NONE | NONE | NONE | 8 |
| 4E210C | 3205 | 19 | NONE | NONE | NONE | 9 |

LOCATION OF INDICATIONS

(20% - 100%)

| STEAM GENERATOR | AVB BARS | SUPPORT LOCATIONS 1 THROUGH 6 | | TOP OF TUBE SHEET TO #1 SUPPORT | | TOTAL INDICATIONS | |
|---|---|---|---|---|---|---|---|
| | | COLD LEG | HOT LEG | COLD LEG | HOT LEG | 20% - 39% | 40% TO 100% |
| 4E210A | NONE | 2 | 1 | NONE | NONE | 3 | NONE |
| 4E210B | 3 | 1 | 2 | 1 | 2 | 9 | NONE |
| 4E210C | 4 | 12 | 7 | NONE | NONE | 23 | NONE |

Remarks:

CERTIFICATION OF RECORD

We certify that the statements in this report are correct and the tubes inspected were tested in accordance with the requirements of Section XI of the ASME Code.

Florida Power & Light Co.

DATE: 6-4-93 PREPARED BY: C. Martellucci Jr.
S/G EDDY CURRENT COORDINATOR

DATE: 6-4-93 REVIEWED BY: Glenn P. Alexander
INSPECTIONS SUPERVISOR

DATE: 6-14-93 APPROVED BY: R R Craig
S/G PROGRAM MANAGER

forms II/nisbbs2 drw

CUMULATIVE EXAMINATION REPORT
PTN-4
OUTAGE : 04/93

COMPONENT : S/G A
DESCRIPTION : 20% TO 100%


Date : 6/ 4/93
Time : 9:35 AM

| Row | Col | Leg | Extent Req | Extent Tst/Note | Reel | Probe | 04/93 Location | 04/93 Volts | 04/93 Deg | 04/93 Ch | 04/93 % | Diff | N/A Location | N/A Volts | N/A Deg | N/A Ch | N/A % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | 14 | C | TEH | TEH | AC006-02 | A-720-M/ULC | 01H 42.6 | 1.6 | 145 | 1 | 32 | | | | | | |
| | | C | TEH | TEH | AC006-02 | A-720-M/ULC | 02C 2.7 | .8 | 146 | 1 | 31 | | | | | | |
| 14 | 82 | H | TEC | TEC PS | AH004-02 | A-720-M/ULC | 04C 9.5 | .8 | 157 | 1 | 27 | | | | | | |

Number of RECORDS Selected from Current Outage : 3
Number of TUBES Selected from Current Outage : 2

CUMULATIVE EXAMINATION REPORT

PTN-4

OUTAGE : 04/93

COMPONENT : S/G B

DESCRIPTION : 20% TO 100%



Date : 6/ 4/93

Time : 9:35 AM

| Row | Col | Leg | Extent Req | Extent Tst/Note | Reel | Probe | 04/93 Location | 04/93 Volts | 04/93 Deg | 04/93 Ch | 04/93 % | Diff | N/A Location | N/A Volts | N/A Deg | N/A Ch | N/A % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 18 | C | TEH | TEH | BC016-04 | A-700-M/ULC | TSC 3.9 | .7 | 148 | 1 | 30 | | | | | | |
| 3 | 24 | C | 06C | 06C | BC011-03 | A-720-M/ULC | 03C 25.5 | .9 | 150 | 1 | 28 | | | | | | |
| 22 | 37 | H | TEC | TEC SS | BH026-07 | A-720-M/ULC | 02H .0 | .4 | 143 | 1 | 32 | | | | | | |
| 45 | 42 | H | TEC | TEC | BH013-03 | A-720-M/ULC | AV2 .0 | .5 | | P 2 | 22 | | | | | | |
| 45 | 43 | H | TEC | TEC | BH013-03 | A-720-M/ULC | AV2 .0 | .6 | | P 2 | 23 | | | | | | |
| 22 | 48 | H | TEC | TEC PC | BH023-06 | A-720-M/ULC | TSH 6.3 | .7 | 143 | 1 | 32 | | | | | | |
| 45 | 48 | H | TEC | TEC PS | BH011-03 | A-720-M/ULC | AV4 .0 | .7 | | P 2 | 24 | | | | | | |
| 37 | 69 | H | TEC | TEC SS | BH030-03 | A-720-M/ULC | TSH 21.6 | .7 | 145 | 1 | 31 | | | | | | |
| 14 | 82 | H | TEC | TEC SS | BH004-02 | A-720-M/ULC | 02H 15.6 | 1.2 | 150 | 1 | 26 | | | | | | |

Number of RECORDS Selected from Current Outage : 9

Number of TUBES Selected from Current Outage : 9

CUMULATIVE EXAMINATION REPORT
PTN-4
OUTAGE : 04/93

COMPONENT : S/G C
DESCRIPTION : 20% TO 100%


Date : 6/ 4/93
Time : 9:35 AM

| | | | Extent | | | | | 04/93 | | | | | | N/A | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Row | Col | Leg | Req | Tst/Note | Reel | Probe | Location | Volts | Deg | Ch | % | Diff | Location | Volts | Deg | Ch | % |
| 28 | 28 | C | TEH | TEH | CC016-04 | A-720-M/ULC | 05H 44.0 | .9 | 153 | 1 | 26 | | | | | | |
| | | C | TEH | TEH PS | CC016-04 | A-720-M/ULC | 06H -.9 | 1.0 | 149 | 1 | 30 | | | | | | |
| 37 | 32 | C | TEH | TEH | CC018-04 | A-720-M/ULC | 06C -.7 | .7 | 119 | P 1 | 37 | | | | | | |
| 26 | 37 | C | TEH | TEH | CC014-03 | A-720-M/ULC | 05C 31.5 | .8 | 157 | 1 | 20 | | | | | | |
| 3 | 52 | C | 06C | 06C PS | CC013-03 | A-720-M/ULC | 01C 29.6 | .6 | 152 | 1 | 25 | | | | | | |
| 43 | 52 | H | TEC | TEC SS | CH022-05 | A-720-M/ULC | 05H 12.0 | .6 | 150 | 1 | 24 | | | | | | |
| 40 | 53 | C | TEH | TEH SC | CC021-05 | A-720-M/ULC | 06C -.5 | .6 | 127 | P 1 | 30 | | | | | | |
| 24 | 56 | H | TEC | TEC PS | CH023-06 | A-720-SF/RM | 03C 38.7 | .6 | 135 | 1 | 25 | | | | | | |
| 42 | 56 | H | TEC | TEC SS | CH022-05 | A-720-M/ULC | 06C -.6 | 1.2 | 120 | P 1 | 24 | | | | | | |
| | | H | TEC | TEC SS | CH022-05 | A-720-M/ULC | 05C 32.3 | .5 | 141 | 1 | 31 | | | | | | |
| | | H | TEC | TEC SS | CH022-05 | A-720-M/ULC | 05C 13.2 | .6 | 143 | 1 | 30 | | | | | | |
| 33 | 61 | C | TEH | TEH SS | CC021-05 | A-720-M/ULC | 03C 26.1 | .3 | 144 | 1 | 33 | | | | | | |
| 24 | 62 | H | TEC | TEC PS | CH024-06 | A-720-M/ULC | 02C 35.3 | .6 | 162 | 1 | 21 | | | | | | |
| 37 | 69 | C | TEH | TEH PC | CC022-06 | A-720-M/ULC | 06H .1 | .5 | 150 | 1 | 25 | | | | | | |
| 32 | 70 | H | TEC | TEC PS | CH008-03 | A-720-M/ULC | AV1 .0 | .5 | | P 2 | 22 | | | | | | |
| 16 | 72 | H | TEC | TEC | CH002-01 | A-720-M/ULC | 05H 43.0 | .4 | 147 | 1 | 30 | | | | | | |
| 30 | 72 | H | TEC | TEC SC | CH006-02 | A-720-M/ULC | 04C 21.1 | .3 | 152 | 1 | 26 | | | | | | |
| 37 | 72 | H | TEC | TEC PS | CH008-03 | A-720-M/ULC | 05H 45.0 | .5 | 139 | 1 | 36 | | | | | | |
| | | H | TEC | TEC | CH008-03 | A-720-M/ULC | AV3 -.2 | .5 | 148 | P 2 | 23 | | | | | | |
| 23 | 77 | H | TEC | TEC PS | CH007-02 | A-720-M/ULC | 02C 50.6 | .4 | 148 | 1 | 28 | | | | | | |
| 31 | 80 | H | TEC | TEC SS | CH022-05 | A-720-M/ULC | 06H 2.3 | .4 | 142 | 1 | 31 | | | | | | |
| 27 | 81 | H | TEC | TEC SC | CH007-02 | A-720-M/ULC | AV1 .0 | .3 | | P 2 | 20 | | | | | | |
| 26 | 82 | H | TEC | TEC SC | CH007-02 | A-720-M/ULC | AV1 .0 | .3 | | P 2 | 20 | | | | | | |

Number of RECORDS Selected from Current Outage : 23
Number of TUBES Selected from Current Outage : 19

CUMMULATIVE DISTRIBUTION SUMMARY
TURKEY POINT UNIT # 4
04/93

COMPONENT : S/G A


Date : 06/14/93
Time : 1:30 PM

Examination Dates : 04/24/93 thru 04/28/93

Total Number of Tubes Inspected .....: 3198

Total Indications
Between 20% and 39% .....: 3
Greater than or equal to 40% ...: 0

Total Tubes Plugged as Preventive Maint : 0
Total Tubes Plugged .....: 16

Location Of Indications 20% to 100%

| Hot Leg | | Cold Leg | |
|---|---|---|---|
| TSH -.5 to 01H -2.1 : | 0 | TSC -.5 to 01C -2.1 : | 0 |
| 01H -2.0 to 06H +2.0 : | 1 | 01C -2.0 to 06C +2.0 : | 2 |
| 06H +2.1 to AV1 -3.1 : | 0 | 06C +2.1 to AV4 -3.1 : | 0 |
| AV1 -3.0 to AV4 -3.0 : | 0 | | |

CUMMULATIVE DISTRIBUTION SUMMARY
TURKEY POINT UNIT # 4
04/93

COMPONENT : S/G B


Date : 06/14/93
Time : 1:30 PM

Examination Dates : 04/24/93 thru 04/28/93

Total Number of Tubes Inspected .....: 3206

Total Indications
Between 20% and 39% .....: 9
Greater than or equal to 40% ...: 0

Total Tubes Plugged as Preventive Maint : 0
Total Tubes Plugged .....: 8

Location Of Indications 20% to 100%

| Hot Leg | | Cold Leg | |
|---|---|---|---|
| TSH -.5 to 01H -2.1 : | 2 | TSC -.5 to 01C -2.1 : | 1 |
| 01H -2.0 to 06H +2.0 : | 2 | 01C -2.0 to 06C +2.0 : | 1 |
| 06H +2.1 to AV1 -3.1 : | 0 | 06C +2.1 to AV4 -3.1 : | 1 |
| AV1 -3.0 to AV4 -3.0 : | 2 | | |

CUMMULATIVE DISTRIBUTION SUMMARY
TURKEY POINT UNIT # 4
04/93

COMPONENT : S/G C


Date : 06/14/93
Time : 1:30 PM

Examination Dates : 04/24/93 thru 04/28/93

Total Number of Tubes Inspected .....: 3205

Total Indications
Between 20% and 39% .....: 23
Greater than or equal to 40% ...: 0

Total Tubes Plugged as Preventive Maint : 0
Total Tubes Plugged .....: 9

Location Of Indications 20% to 100%

| Hot Leg | | Cold Leg | |
|---|---|---|---|
| TSH -.5 to 01H -2.1 : | 0 | TSC -.5 to 01C -2.1 : | 0 |
| 01H -2.0 to 06H +2.0 : | 6 | 01C -2.0 to 06C +2.0 : | 12 |
| 06H +2.1 to AV1 -3.1 : | 4 | 06C +2.1 to AV4 -3.1 : | 0 |
| AV1 -3.0 to AV4 -3.0 : | 1 | | |

TURKEY POINT UNIT 4
1993 REFUELING OUTAGE

Form NIS-2 Owners' Data Report of Repairs and Replacements

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name) — Date JANUARY 9, 1992

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 1 of 2

2. Plant TURKEY POINT (Name) — Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address) — CWO: 200099, PC/M: 88-541, PS: 90-1544 N91-0581, N91-0734, N91-0196 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name) — Type Code Symbol Stamp N/A

P.O. BOX 3218, FLORIDA CITY, FL 33034 (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System MAIN STEAM — 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 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| GLOBE VALVE | N/A | N/A | N/A | CV-4-1606 | Est. 1970 | REPLACED | NO |
| GLOBE VALVE | ANCHOR/DARLING VALVE CO. | DB089-4-4 | N/A | CV-4-1606 | 1990 | REPLACEMENT | YES |
| GLOBE VALVE | N/A | N/A | N/A | CV-4-1607 | Est. 1970 | REPLACED | NO |
| GLOBE VALVE | ANCHOR/DARLING VALVE CO. | DB089-4-5 | N/A | CV-4-1607 | 1990 | REPLACEMENT | YES |
| GLOBE VALVE | N/A | N/A | N/A | CV-4-1608 | Est. 1970 | REPLACED | NO |
| GLOBE VALVE | ANCHOR/DARLING VALVE CO. | DB089-4-6 | N/A | CV-4-1608 | 1990 | REPLACEMENT | YES |
| GATE VALVE | N/A | N/A | N/A | 4-10-001 | Est. 1970 | REPLACED | NO |

7. Description of Work REPLACED ATMOSPHERIC DUMP VALVES CV-4-1606, CV-4-1607, CV-4-1608, AND THE ASSOCIATED UPSTREAM STOP VALVES 4-10-001, 4-10-002 AND 4-10-003.

8. Tests Conducted: Hydrostatic* [X] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] SYSTEM IN SERVICE

Pressure* 1650 / 852 psi Test Temp. AMBIENT / 500 Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

# FORM NIS-2 (Back)

9. Remarks Examinations performed by FPL Construction Quality Control personnel.

Applicable Manufacturer's Data Reports to be attached

ALL WELDING WAS PERFORMED IN ACCORDANCE WITH THE FPL WELD CONTROL

MANUAL AND SITE PROCEDURES.

INVOKED ASME CODE CASE N-416 FOR THE HYDROTEST FOLLOWING THE INSTALLATION.

## CERTIFICATION 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.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed J Marchese Date 1/16, 1992
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period January 1991 to November 1991, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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. Futhermore, 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 8230 Factory Mutual System (N) (1)
National Board, State, Province, and Endorsements

Date January 17 1992

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name) — Date JANUARY 9, 1992

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 2 of 2

2. Plant TURKEY POINT (Name) — Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address) — CWO: 200099, PC/M: 88-541, PS: 90-1544 N91-0581, N91-0734, N91-0196 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name) — Type Code Symbol Stamp N/A

P.O. BOX 3218, FLORIDA CITY, FL 33034 (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System MAIN STEAM

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 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| GATE VALVE | ANCHOR/DARLING VALVE CO. | EB089-1-4 | N/A | 4-10-001 | 1990 | REPLACEMENT | YES |
| GATE VALVE | N/A | N/A | N/A | 4-10-002 | Est. 1970 | REPLACED | NO |
| GATE VALVE | ANCHOR/DARLING VALVE CO. | EB089-1-5 | N/A | 4-10-002 | 1990 | REPLACEMENT | YES |
| GATE VALVE | N/A | N/A | N/A | 4-10-003 | Est. 1970 | REPLACED | NO |
| GATE VALVE | ANCHOR/DARLING VALVE CO. | EB089-1-6 | N/A | 4-10-003 | 1990 | REPLACEMENT | YES |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name) — Date JANUARY 14, 1992

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 1 of 1

2. Plant TURKEY POINT (Name) — Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address) — CWO: 300137 PC/M: 88-249 MPIL: 90-205M (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name) — Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. BOX 3218, FLORIDA CITY, FL 33034 (Address) — Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL — 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 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| BUTTERFLY VALVE | N/A | N/A | N/A | 4-887 | Est. 1970 | REPLACED | NO |
| GLOBE VALVE | ANCHOR/DARLING VALVE CO. | EA993-1-1 | N/A | 4-887 | 1990 | REPLACEMENT | NO |
| RHR PIPING | N/A | N/A | N/A | 4-SIH-15 | Est. 1970 | REPLACEMENT | NO |
| RHR PIPING | N/A | N/A | N/A | A | Est. 1970 | REPLACEMENT | NO |
| RHR PIPING | N/A | N/A | N/A | SR-633 | Est. 1970 | REPLACEMENT | NO |
| RHR PIPING | N/A | N/A | N/A | 4-SIH-25 | Est. 1970 | REPLACEMENT | NO |
| RHR PIPING | N/A | N/A | N/A | 4-SIH-19 | Est. 1970 | REPLACEMENT | NO |

7. Description of Work REPLACED VALVE AT TAG LOCATION 4-887 DUE TO EXCESSIVE SEAT LEAKAGE, AND ASSOCIATED PIPING. ALSO MODIFIED SUPPORTS 4-SIH-15, 4-SIH-19, 4-SIH-25, SR-633 AND SUPPORT "A" TO MEET DESIGN.

8. Tests Conducted: Hydrostatic [X] Pneumatic [ ] Nominal Operating Pressure [ ] Other [ ]

Pressure 250 / 750 psi Test Temp. AMBIENT Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

# FORM NIS-2 (Back)

9. Remarks Examinations performed by FPL Construction Quality Control personnel.

Applicable Manufacturer's Data Reports to be attached

ALL WELDING WAS PERFORMED IN ACCORDANCE WITH THE FPL WELD CONTROL

MANUAL AND SITE PROCEDURES.

## CERTIFICATION 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.

repair or replacement

Type Code Symbol Stamp N/A

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

Signed J Marchese Date 1/16, 1992

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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period January 1991 to March 1991, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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. Futhermore, 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 8230 Factory Mutual System (N) (1)

National Board, State, Province, and Endorsements

Date January 17 1992

BB

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name) — Date JANUARY 14, 1992

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 1 of 2

2. Plant TURKEY POINT (Name) — Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address) — CWO: 200093, PC/M: 90-221 PS: 90-1590, MPIL: 90-255M (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name) — Type Code Symbol Stamp N/A

P.O. BOX 3218, FLORIDA CITY, FL 33034 (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System REACTOR COOLANT — 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 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| RCS PIPING LOOP "A" | N/A | N/A | N/A | N/A | Est. 1970 | REMOVED | NO |
| RCS PIPING LOOP "B" | N/A | N/A | N/A | N/A | Est. 1970 | REMOVED | NO |
| RCS PIPING LOOP "C" | N/A | N/A | N/A | N/A | Est. 1970 | REMOVED | NO |
| MECHANICAL SHOCK ARRESTOR | PACIFIC SCIENTIFIC | 33630 | N/A | 4-1023 | N/A | REMOVED | YES |
| MECHANICAL SHOCK ARRESTOR | PACIFIC SCIENTIFIC | 29446 | N/A | 4-1024 | N/A | REMOVED | YES |
| MECHANICAL SHOCK ARRESTOR | PACIFIC SCIENTIFIC | 11988 | N/A | 4-1025 | N/A | REMOVED | YES |
| MECHANICAL SHOCK ARRESTOR | PACIFIC SCIENTIFIC | 33629 | N/A | 4-1026 | N/A | REMOVED | YES |

7. Description of Work REMOVED EXISTING RESISTANCE TEMPERATURE DETECTOR (RTD) BYPASS MANIFOLD PIPING, VALVES, SUPPORTS AND MECHANICAL SHOCK ARRESTORS.

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

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

# FORM NIS-2 (Back)

9. Remarks Examinations performed by FPL Construction Quality Control personnel.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Joe Marchese Date 1/16, 1992
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period December 1990 to May 1991, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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. Futhermore, 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 8230 Factory Mutual System (N) (1)
National Board, State, Province, and Endorsements

Date January 17 1992

BB

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name) — Date JANUARY 14, 1992

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 2 of 2

2. Plant TURKEY POINT (Name) — Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address) — CWO: 200093, PC/M: 90-221 PS: 90-1590, MPIL: 90-255M (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name) — Type Code Symbol Stamp N/A

P.O. BOX 3218, FLORIDA CITY, FL 33034 (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System REACTOR COOLANT

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 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| MECHANICAL SHOCK ARRESTOR | PACIFIC SCIENTIFIC | 16726 | N/A | 4-1027 | N/A | REMOVED | YES |
| MECHANICAL SHOCK ARRESTOR | PACIFIC SCIENTIFIC | 35899 | N/A | 4-1028 | N/A | REMOVED | YES |
| MECHANICAL SHOCK ARRESTOR | PACIFIC SCIENTIFIC | 29447 | N/A | 4-1029 | N/A | REMOVED | YES |
| MECHANICAL SHOCK ARRESTOR | PACIFIC SCIENTIFIC | 29582 | N/A | 4-1030 | N/A | REMOVED | YES |
| MECHANICAL SHOCK ARRESTOR | PACIFIC SCIENTIFIC | 11990 | N/A | 4-1031 | N/A | REMOVED | YES |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date January 14, 1992

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

PWO: 0715 PCM# 87-225
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Feedwater

Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Gate Valve | N/A | N/A | N/A | 4-20-706 | EST. 1970 | Replaced | No |
| Gate Valve | Henry Vogt | 6-215547 | N/A | 4-20-706 | 1987 | Replacement | No |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work Replaced valve at tag location 4-20-706, due to excessive seat leakage.

8. Tests Conducted: Hydrostatic [X] Pneumatic [ ] Nominal Operating Pressure [ ] Other [ ]

Pressure 2000 psi Test Temp. 88 Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

92-008-4

# FORM NIS-2 (Back)

9. Remarks All welding was performed inaccordance with the FPL Weld Control Manual and site procedures.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 [illegible] Owner or Owner's Designee, Title Date 1/22, 1992

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period September 17, 1986 to October 6, 1991, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the inspection.

[illegible] Inspector's Signature

Commissions Factory Mutual System 8230 (N) (I)

National Board, State, Province, and Endorsements

January 28, 1992

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date March 2, 1992

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

PWO: 1217 WA#910712140425
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Intake Cooling Water

Quality Group C

5. (a) Applicable Construction Code ANSI B31.1 19 55 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Gate Valve | N/A | N/A | N/A | 4-50-377 | EST. 1970 | Replaced | No |
| Gate Valve | Jenkins | N/A | N/A | 4-50-377 | 1991 | Replacement | No |
| | | | | | | | |
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7. Description of Work Replaced valve at tag location 4-50-377 due to excessive seat leakage.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐

Pressure 6 psi Test Temp. 78 Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

92-009-4

# FORM NIS-2 (Back)

9. Remarks Mechanical connection, No welding performed.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 4/11, 19 92

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period July 12, 1991 to February 27, 1992, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the inspection.

[signature] Inspector's Signature

Commissions Factory Mutual System 8230 (N) (I)
National Board, State, Province, and Endorsements

April 14, 19 92

BB

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date March 23, 1992

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

PWO: 2256 WA# 901009141716
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Spent Fuel Pool Cooling

Quality Group C

5. (a) Applicable Construction Code ANSI B31.1 19 55 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Butterfly Valve | Continental | N/A | N/A | 4-820 | N/A | Replaced | No |
| Butterfly Valve | Posi-Seal | 56943-1B | N/A | 4-820 | 1991 | Replacement | No |
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7. Description of Work Replaced valve at tag location 4-820 due to excessive seat leakage.

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [X] Other [ ]

Pressure 65 psi Test Temp. 79 Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

92-010-4

# FORM NIS-2 (Back)

9. Remarks Mechanical connection, No welding performed.
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement (repair or 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 [illegible] Maint Support Service Supr (Owner or Owner's Designee, Title) Date 3/26, 1992

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period November 21, 1991 to December 18, 1991, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the inspection.

[illegible] (Inspector's Signature) Commissions Factory Mutual System 8230 (N) (I) (National Board, State, Province, and Endorsements)

March 26, 1992

BB

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date March 23, 1992

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

PWO: 9057 WA# 911220142110
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Chemical and Volume Control Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 19 55 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Cylinder Block | Union Pump | N/A | N/A | 4P201A | N/A | Replaced | No |
| Cylinder Block | Union Pump | MC35800 | N/A | 4P201A | 1991 | Replacement | No |
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7. Description of Work Replaced Cylinder Block on Charging Pump 4P201A

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [X] Other [ ]

Pressure 2350 psi Test Temp. 146 Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

92-011-4

# FORM NIS-2 (Back)

9. Remarks Mechanical connection, No welding performed.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 [illegible] Owner or Owner's Designee, Title Date 3/26/ , 19 92

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period December 20, 1991 to December 26, 1991, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the inspection.

[illegible] Inspector's Signature

Commissions Factory Mutual System 8230 (N) (I)
National Board, State, Province, and Endorsements

Date March 26, 19 92

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date March 24, 1992

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

PWO: 1014 WA# 900724103752
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Reactor Coolant System Quality Group A

5. (a) Applicable Construction Code ANSI B31.1 19 55 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Pzr.Safety Valve | Crosby | N/A | N/A | RV-4-551A | N/A | Replaced | No |
| Pzr.Safety Valve | Crosby | N/A | N/A | RV-4-551A | N/A | Replacement | No |
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7. Description of Work Replaced (8) Studs and (16) Nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

92-012-4

# FORM NIS-2 (Back)

9. Remarks Mechanical connection, No welding performed.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 3/26, 19 92
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period July 24, 1990 to July 29, 1991, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the inspection.

[signature]
Inspector's Signature

Commissions Factory Mutual System 8230 (N) (I)
National Board, State, Province, and Endorsements

Date March 26, 19 92

BB

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date March 30, 1992

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

PWO: 2270 WA# 920108163430
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Intake Cooling Water

Quality Group C

5. (a) Applicable Construction Code ANSI B31.1 19 55 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Gate Valve | Jenkins Valve | N/A | N/A | 3-50-364 | 1989 | Replaced | No |
| Gate Valve | Jenkins Valve | N/A | N/A | 3-50-364 | 1991 | Replacement | No |
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7. Description of Work Replaced valve at tag location 3-50-364 due to excessive seat leakage.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐

Pressure 5 psi Test Temp. 78 Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

92-013-4

# FORM NIS-2 (Back)

9. Remarks Mechanical connection, No welding performed.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 [illegible] Maf Safety Service Supv (Owner or Owner's Designee, Title) Date 4/1, 19 92

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period January 09, 1992 to February 24, 1992, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the inspection.

[illegible] (Inspector's Signature) Commissions Factory Mutual System 8230 (N) (I) (National Board, State, Province, and Endorsements)

April 14 19 92

BB

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name) — Date April 29, 1992

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 1 of 1

2. Plant TURKEY POINT (Name) — Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

CWO: 500820 PC/M: 89-059
MPIL NO. 92-036M, N-88-0165
Repair Organization P.O. No., Job No., etc.

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name)

P.O. BOX 3218, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL — 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 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| PIPING RHR | N/A | N/A | N/A | TB-1 | Est. 1970 | REPLACEMENT | NO |
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7. Description of Work REPLACED UNIDENTIFIED SUPPORT WITH NEW SUPPORT TB-1

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

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

# FORM NIS-2 (Back)

Remarks Examinations performed by FPL Construction Quality Control personnel.

Applicable Manufacturer's Data Reports to be attached

ALL WELDING WAS PERFORMED IN ACCORDANCE WITH THE FPL WELD CONTROL

MANUAL AND SITE PROCEDURES.

## CERTIFICATION 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.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed L. Hunnicutt for J. Manchese site const. Services MGR. Date 4/30, 19 92
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period March 1, 1992 to April 30, 1992, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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. Futhermore, 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 8230 Factory Mutual System (N) (1)
National Board, State, Province, and Endorsements

Date April 30 19 92

BB

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date August 18, 1992

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

PWO: 2343 WA# 920530125710
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Intake Cooling Water

Quality Group C

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs orReplacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Gate Vlv | Jenkins | R92-0704 | N/A | 4-50-377 | Unk. | Replaced | No |
| Gate Vlv | Jenkins | R92-0412 | N/A | 4-50-377 | Unk. | Replacement | No |
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7. Description of Work Replaced valve at tag location 4-50-377 due to excessive seat leakage

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [X] Other [ ]

Pressure 6 psi Test Temp. 89 Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may beused, provided (1) size is 8 1/2 in. X 11in., (2) information in items 1 through 6 on this report isincluded on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of thisform.

92-015-4

# FORM NIS-2 (Back)

9. Remarks Mechanical connection, no welding performed.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 8/17, 1993

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period May 30,1992 to August 18,1992, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the inspection.

[signature] Inspector's Signature

Commissions Factory Mutual System 8230 (N) (I)
National Board, State, Province, and Endorsements

Date 8/18, 1993

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date 30 SEPT 1992

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

PWO 9901/64 WO 91058735
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp
Authorization No.
Expiration Date

4. Identification of System INTAKE COOLING WATER Quality Group C

5. (a) Applicable Construction Code ANSI B31.1 19 55 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| 20 INCH SPOOL PIECE | UNKNOWN | UNKNOWN | N/A | NONE | UNK. | REPLACED | NO |
| 20 INCH SPOOL PIECE | SOUTHEASTERN MUNICIPAL | NONE | N/A | NONE | UNK. | REPLACEMENT | NO |
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7. Description of Work TAP REPAIR ON OLD SPOOL PIECE FAILED REQUIRING A REPLACEMENT

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐

Pressure 4.5 psi Test Temp. 86 Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

016 9-30-92
92-~~014~~-4

# FORM NIS-2 (Back)

9. Remarks MECHANICAL CONNECTION, NO WELDING PERFORMED
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT (repair or 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] MAINT MGR (Owner or Owner's Designee, Title) Date 9/30, 19 92

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period 21 NOV 1991 to 13 AUG 1992, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the inspection.

[signature] Inspector's Signature

Commissions Factory Mutual System 8230 (N) (I)
National Board, State, Province, and Endorsements

Date Sept 30 19 92

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date 10/20/92

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

W092052085 NCR 92-0243
Repair Organization P.O. No., Job No., etc

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System RHR

Quality Group B

5. (a) Applicable Construction Code * ~~B31.1~~ N/A Rec w/20/72 N/A 19~~55~~ Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| RHR PUMP 4A | INGERSOLL RAND | 0967-67 | N/A | N/A | EST. 1970 | REPAIRED | NO |
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7. Description of Work REPAIRED BY WELDING

8. Tests Conducted: Hydrostatic [X] Pneumatic [ ] Nominal Operating Pressure [ ] Other [ ]

Pressure 750 psi Test Temp. 108 Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

92-017-4

# FORM NIS-2 (Back)

9 Remarks ALL WELDING WAS PERFORMED IN ACCORDANCE WITH THE FPL
Applicable Manufacturer's Data Reports to be attached
WELD CONTROL MANUAL AND SITE PROCEDURES
HYDROSTATIC TEST # 04-RHR-5025-H-04
* PUMP BUILT TO OWNERS DESIGN SPECIFICATIONS

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR (repair or 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] MAINT. MGR (Owner or Owner's Designee, Title) Date 10/20, 19 92

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period OCTOBER 14, 1992 to OCTOBER 19, 1992, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the inspection.

[signature] Inspector's Signature

Commissions Factory Mutual System 8230 (N) (I)
National Board, State, Province, and Endorsements

Oct 20 19 92

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 7, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 92034800 PWO# 5461
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Spent Fuel Pool Cooling Quality Group C

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Butterfly Valve | Posi-Seal | 56943-1B | N/A | 4-820 | 1991 | Replaced | No |
| Butterfly Valve | Posi-Seal | 56943-1A | N/A | 4-820 | 1991 | Replacement | No |
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7. Description of Work Replaced valve at tag location 4-820 due to excessive seat leakage.

8. Tests Conducted: Hydrostatic [X] Pneumatic [ ] Nominal Operating Pressure [ ] Other [ ]

Pressure 168 psi Test Temp. 76.6 Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-001-4

# FORM NIS-2 (Back)

9. Remarks Mechanical connection, no welding performed. Hydrostatic test #04-SFPC-3326-H-03
Applicable Manufacturer's Data Reports to be attached
used to meet pressure test requirements

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 5/11, 1993

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period March 11, 1993 to April 2, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the inspection.

[signature] Inspector's Signature

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
National Board, State, Province, and Endorsements

Date May 10, 1993

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name) — Date April 20, 1993

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 1 of 2

2. Plant TURKEY POINT (Name) — Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

CWO: 300567 PCM: 91-200
MPIL: 92-141M WO: 92050608
Repair Organization P.O. No., Job No., etc.

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name) — Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. BOX 3218, FLORIDA CITY, FL 33034 (Address) — Expiration Date N/A

4. Identification of System REACTOR COOLANT SYSTEM

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 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| SUPPORT ON RCS SYSTEM | NA | NA | NA | SR-400 | EST 1970 | REPLACEMENT | NO |
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7. Description of Work REPLACED SPRING CAN SUPPORT MARK #SR-400 I/A/W PC/M 91-200

93-002-4

# FORM NIS-2 (Back)

9. Remarks EXAMINATIONS PERFORMED BY FPL CONSTRUCTION QUALITY CONTROL PERSONNEL

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION 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.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed Donald D Miller Date 4-22, 1993
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period 4/13/93 to 4/20/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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. Futhermore, 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 8230 FACTORY MUTUAL ENGINEERING ASS (N) (1)
National Board, State, Province, and Endorsements

Date April 23 1993

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name) — Date MAY 1, 1993

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 1 of 2

2. Plant TURKEY POINT (Name) — Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address) — CWO: 501016 PWO: 93002706 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name) — Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. BOX 3218, FLORIDA CITY, FL 33034 (Address) — Expiration Date N/A

4. Identification of System REACTOR COOLANT SYSTEM

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 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| SGC4E210C | WESTINGHOUSE | NA | NA | ITEM # 651B293 | EST 1970 | REPLACED | NO |
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7. Description of Work REPLACED 5 PRIMART MAN WAY BOLTS ON STEAM GENERATOR "C" : COLD LEG #7, 8, 10, 12 and HOT LEG # 12

# FORM NIS-2 (Back)

9. Remarks EXAMINATIONS PERFORMED BY FPL CONSTRUCTION QUALITY CONTROL PERSONNEL

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION 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.

repair or replacement

Type Code Symbol Stamp N/A

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

Signed J Marchese Date 5·21, 19 93

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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period 4/28/93 to 5/1/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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. Futhermore, 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 8230 FACTORY MUTUAL ENGINEERING ASS (N) (1)

National Board, State, Province, and Endorsements

Date May 24 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date 05/03/93

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

CWO:501031, WO: 93012484, CR93-0341
Repair Organization P.O. No., Job No. etc.

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name)
P.O.BOX 3218, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs orReplacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| MSA | N/A | N/A | N/A | MSA 4-1016 | N/A | Replaced | No |
| MSA | PSA | N/A | N/A | MSA 4-1016 | N/A | Replacement | No |
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7. Description of Work REPLACED PSA-10 TRANSITION TUBE TO SNUBBER BOLTS (4 BOLTS) ON SNUBBER 4-1016

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure N/A psi Test Temp. N/A Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may beused, provided (1) size is 8 1/2 in. X 11in., (2) information in items 1 through 6 on this report isincluded on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of thisform.

93-008-4

# FORM NIS-2 (Back)

9. Remarks Mechanical connection, no welding performed.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 J Marchese Jr. FPL-CSM (Owner or Owner's Designee, Title) Date 8/17, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period 30 APRIL 93 to 1 MAY 93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the inspection.

Inspector's Signature

Commissions Factory Mutual System 8230 (N) (I)
National Board, State, Province, and Endorsements

Date 8/18 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name) — Date 5/3/93

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 1 of 1

2. Plant TURKEY POINT (Name) — Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address) — CWO: 501031 W/O: 91058143 CR-93-359 NCR-91-0279 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name) — Type Code Symbol Stamp N/A

P.O. BOX 3218, FLORIDA CITY, FL 33034 (Address) — Authorization No. N/A — Expiration Date N/A

4. Identification of System RHR

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 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| RHR PIPING | NA | NA | NA | SR-2 | EST 1970 | REPLACED | No |
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7. Description of Work REPLACED TRANSITION TUBE PER NCR-91-0279 MODIFIED FRONT BRACKET PER CR-93-359

# FORM NIS-2 (Back)

9. Remarks ALL WELDING PERFORMED PER FPL WELD CONTROL MANUAL.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION 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.

repair or replacement

Type Code Symbol Stamp N/A

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

Signed J Marchese FPL-CSM Date 5/04, 19 93

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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period _____ to _____, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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. Futhermore, 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 8230 FACTORY MUTUAL ENGINEERING ASSOC (N) (1)

National Board, State, Province, and Endorsements

Date May 5 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name) — Date 04/30/93

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 1 of 2

2. Plant TURKEY POINT (Name) — Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address) — 93008781 CWO: 501038 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name) — Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. BOX 3218, FLORIDA CITY, FL 33034 (Address) — Expiration Date N/A

4. Identification of System ICW SYSTEM

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 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| 4-50-350 | HENRY PRATT | NA | NA | NA | NA | REPLACED | NO |
| 4-50-350 | HENRY PRATT | 7-61465-1 | NA | TRITON XR-70 | 1986 | REPLACEMENT | NO |
| 1-¼" STUD (3) | NA | NA | NA | NA | EST 1970 | REPLACED | NO |
| 1-¼" STUD (3) | NA | NA | NA | R92-5338 | 1993 | REPLACEMENT | NO |
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7. Description of Work REPLACED EXISTING 30" BUTTERFLY VALVE

# FORM NIS-2 (Back)

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

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION 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.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed [illegible] Mello For J. Marchese Date 5/21/93, 19 ___
Owner or Owner's Designee, Title Construction Supervisor

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period _____ to _____, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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. Futhermore, 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.

[illegible]
Inspector's Signature

Commissions 8230 FACTORY MUTUAL ENGINEERING ASS (N) (1)
National Board, State, Province, and Endorsements

Date May 22 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name) — Date 04/16/93

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 1 of 2

2. Plant TURKEY POINT (Name) — Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address) — 93010174 CWO: 501038 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name) — Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. BOX 3218, FLORIDA CITY, FL 33034 (Address) — Expiration Date N/A

4. Identification of System ICW SYSTEM

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 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| 4-50-340 | HENRY PRATT | 2463-1R | NA | NA | 1970 | REPLACED | NO |
| 4-50-340 | HENRY PRATT | S0270-1-1 | NA | TRITON XR -70 | 1992 | REPLACEMENT | NO |
| 1-¼" STUDS (16) | NA | NA | NA | NA | EST. 1970 | REPLACED | NO |
| 1-¼" STUDS (16) | NA | NA | NA | R92-5338 | 1992 | REPLACEMENT | NO |
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7. Description of Work REPLACED EXISTING 30" BUTTERFLY VALVE

93-011-4

# FORM NIS-2 (Back)

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

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION 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.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed J Marchese Date 5/20/93, 19 ___
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period _____ to _____, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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. Futhermore, 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 8230 FACTORY MUTUAL ENGINEERING ASS (N) (1)
National Board, State, Province, and Endorsement

Date May 21 1993

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name) — Date 05/02/93

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 1 of 2

2. Plant TURKEY POINT (Name) — Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address) — 93006364 CWO: 501038 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name) — Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. BOX 3218, FLORIDA CITY, FL 33034 (Address) — Expiration Date N/A

4. Identification of System ICW SYSTEM

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 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| 1-¼" STUD (3) | NA | NA | NA | NA | 1970 | REPLACED | NO |
| 1-¼" STUD (3) | NA | NA | NA | R87-6683 | 1987 | REPLACEMENT | NO |
| 1-½" STUD (15) | NA | NA | NA | NA | 1970 | REPLACED | NO |
| 1-½" STUD (15) | NA | NA | NA | R92-4775 | 1992 | REPLACEMENT | NO |
| 1-¼" Bolt (7) | NA | NA | NA | NA | 1970 | REPLACED | NO |
| 1-¼" BOLT (7) | NA | NA | NA | R89-0222 | 1989 | REPLACEMENT | NO |
| 1-¼" NUT (1) | NA | NA | NA | NA | 1970 | REPLACED | NO |
| 1-¼" NUT (1) | NA | NA | NA | R93-1208 | 1993 | REPLACEMENT | NO |
| 1-½" NUT (17) | NA | NA | NA | NA | 1970 | REPLACED | NO |
| 1-½" NUT (17) | NA | NA | NA | R93-1392 | 1993 | REPLACEMENT | NO |

7. Description of Work REPLACED BOLTING MATERIAL DURING REINSTALLATION OF PIPING IN ICW SYSTEM FOR CRAWL THROUGH INSPECTIONS.

93-012-4

# FORM NIS-2 (Back)

9. Remarks NO WELDING PERFORMED. ALL MECHANICAL CONNECTIONS
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION 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.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed J Marchese Date 5/20/93, 19 ___
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period March 31, 1993 to May 21, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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. Futhermore, 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.

James K. Blank Commissions 8230 FACTORY MUTUAL ENGINEERING ASS (N) (1)
Inspector's Signature National Board, State, Province, and Endorsements

Date May 21 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name) — Date 05/04/93

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 1 of 1

2. Plant TURKEY POINT (Name) — Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address) — CWO: 501031, W/O: 93012856, CR-93-349 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name) — Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. BOX 3218, FLORIDA CITY, FL 33034 (Address) — Expiration Date N/A

4. Identification of System SYSTEM 047, CVCS

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 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| CVCS PIPING | NA | NA | NA | 3"-CH-1403 - 7 | EST. 1970 | REPAIRED | NO |
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7. Description of Work FILLED OUT LINEAR INDICATION ON WELD 7

93-013-4

# FORM NIS-2 (Back)

9. Remarks NO WELDING PERFORMED

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION 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.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed J Marchese FPL - CSM Date 5/04/93, 19 ___
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period _____ to _____, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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. Futhermore, 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 8230 FACTORY MUTUAL ENGINEERING ASSO (N) (1)
National Board, State, Province, and Endorsements

Date May 5 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name) — Date 05/03/93

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 1 of 1

2. Plant TURKEY POINT (Name) — Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address) — CWO: 501031, W/O: 93012854, CR-93-0324 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name) — Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. BOX 3218, FLORIDA CITY, FL 33034 (Address) — Expiration Date N/A

4. Identification of System SAFETY INJECTION

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 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| SAFETY INJECTION PIPING | NA | NA | NA | 2"-SI-1402-11 | EST 1970 | REPAIRED | NO |
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7. Description of Work REMOVED LINEAR INDICATION BY FILING.

93-014-4

# FORM NIS-2 (Back)

9. Remarks NO WELDING PERFORMED

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION 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.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed J Marchese FPL-CSM Date 3/04, 1993
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period 5/2/93 to 5/2/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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. Futhermore, 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 8230 FACTORY MUTUAL ENGINEERING ASSO (N) (1)
National Board, State, Province, and Endorsements

Date May 5 1993

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 7, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 90054278 PWO# 2864
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Spent Fuel Pool Cooling Quality Group C

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Gate Valve | Aloyco | 68M3304 | N/A | 4-742 | N/A | Replaced | No |
| Gate Valve | Aloyco | C1118 | N/A | 4-742 | 1992 | Replacement | No |
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7. Description of Work Replaced valve at tag location 4-742 due to excessive seat leakage.

8. Tests Conducted: Hydrostatic [X] Pneumatic [ ] Nominal Operating Pressure [ ] Other [ ]

Pressure 168 psi Test Temp. 76.6 Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-015-4

# FORM NIS-2 (Back)

9. Remarks All welding was performed in accordance with the FPL Weld Control Manual
Applicable Manufacturer's Data Reports to be attached
and Site Procedures. Hydrostatic test #04-SFPC-3326-H-03

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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] Manager Safety & Serv. Sys. (Owner or Owner's Designee, Title) Date 5/11, 1993

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period January 8, 1993 to April 2, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[signature] (Inspector's Signature)

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
National Board, State, Province, and Endorsements

Date May 11, 1993

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

# 93-016-4

1. Owner FLORIDA POWER & LIGHT (Name) — Date 5/12/93

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 1 of 1

2. Plant TURKEY POINT (Name) — Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address) — CR-93-415, W/O 93013663 CLW 701031 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name) — Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. BOX 3218, FLORIDA CITY, FL 33034 (Address) — Expiration Date N/A

4. Identification of System STEAM BLOWDOWN.

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 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| SUPPORT | N/A | N/A | N/A | 761028-H-421-02 IA | EST 1971 | REPAIR. | No |
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7. Description of Work LINEAR INDICATION AT LUG "C" REMOVED.

93-016-4

# FORM NIS-2 (Back)

9. Remarks No WELDING PERFORMED

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION 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.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed J Marchese Date 5/20, 1993
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period May 10, 1993 to May 21, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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. Futhermore, 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 8230 FACTORY MUTUAL ENGINEERING ASS (N) (1)
National Board, State, Province, and Endorsements

Date May 21 1993

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name) — Date April 12, 1993

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 1 of 1

2. Plant TURKEY POINT (Name) — Unit 4 CWO 200207

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address) — PWO 93005247 : PCM 92-075 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name) — Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. BOX 3218, FLORIDA CITY, FL 33034 (Address) — Expiration Date N/A

4. Identification of System Reactor Coolant System

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 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Conoseal | Westinghouse | N/A | N/A | K201 | 1970 | Replaced | No |
| Conoseal | ABB/CE | N/A | N/A | K201 | 1993 | Replacement | NO |
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7. Description of Work Conoseal Upgrade Per PCM 92-075; UNIT #4. Leak test to be performed during RCS Cyer-Pressure Test Under WO: 93013732

AWI 5/13/93

93-017-4

# FORM NIS-2 (Back)

9. Remarks The consent upgrade was performed per the ABB CE QA/QC program in accordance with RTS No. 93-570 and site approved ABB traveler No. 2000888-001.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION 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.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed Joseph Marchese Date 5-12, 1993
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period 4-20-93 to 5-1-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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. Futhermore, 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 8230 FACTORY MUTUAL ENGINEERING ASS (N) (1)
National Board, State, Province, and Endorsements

Date May 13 1993

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name) — Date 05/12/93

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 1 of 1

2. Plant TURKEY POINT (Name) — Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address) — CR-93-385, W/O: 93013371, CWO: 501031 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name) — Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. BOX 3218, FLORIDA CITY, FL 33034 (Address) — Expiration Date N/A

4. Identification of System STEAM BLOWDOWN SYS # 071

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 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| SUPPORT | NA | 18014 | NA | 78102B-R-421-01 | EST 1971 | REPAIR | NO |
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7. Description of Work MOVE EXISTING REAR BRACKET TO ACHIEVE PROPER "L" DIMENSION

93-018-4

# FORM NIS-2 (Back)

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

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION 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.

repair or replacement

Type Code Symbol Stamp N/A

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

Signed J Marchese Date 5/20/93, 19 ___

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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period 5-10-93 to 5-11-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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. Futhermore, 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 8230 FACTORY MUTUAL ENGINEERING ASSO (N) (1)

National Board, State, Province, and Endorsements

Date May 21 1993

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name) — Date 05/13/93

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 1 of 1

2. Plant TURKEY POINT (Name) — Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address) — CWO: 501031 CR-93-393 PCN: 93-094 WO: 93013274 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by BECHTEL CONSTRUCTION, INC. (Name) — Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. BOX 3218, FLORIDA CITY, FL 33034 (Address) — Expiration Date N/A

4. Identification of System CVCS

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 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| 4-VCH-62 | NA | NA | NA | NA | EST. 1970 | REPLACED | NO |
| 4-VCH-62 | NA | NA | NA | NA | 1993 | REPLACEMENT | NO |
| PIPING CVCS | NA | NA | NA | 3-CH-1403 | EST. 1970 | REPAIRED | NO |
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7. Description of Work REPLACED SUPPORT 4-VCH-62 / REPAIRED CVCS PIPING

# 93-019-04

# FORM NIS-2 (Back)

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

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J Marchese Date 5/13, 19 93
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period 5/5/93 to 5/13/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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. Futhermore, 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 8230 FACTORY MUTUAL ENGINEERING ASSO (N) (1)
National Board, State, Province, and Endorsements

Date May 14 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 18, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 93012089 PWO# 6253
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Main Steam

Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Stop Check Vlv. | Schutte/Koerting | N/A | N/A | POV-4-2605 | N/A | Replaced | No |
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7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-020-4

# FORM NIS-2 (Back)

9. Remarks Mechanical connection, no welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 [illegible] MAINT MGR (Owner or Owner's Designee, Title) Date 5-18, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period April 23, 1993 to May 16, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[illegible] (Inspector's Signature)

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
National Board, State, Province, and Endorsements

May 18 19 93

BB

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 18, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 93012088 PWO# 6265
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Main Steam

Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Stop Check Vlv. | Schutte/Koerting | N/A | N/A | POV-4-2606 | N/A | Replaced | No |
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7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-021-4

# FORM NIS-2 (Back)

9. Remarks Mechanical connection, no welding performed.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 [illegible] Date 5-18, 1993
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period April 23, 1993 to May 15, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the inspection.

[illegible] Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
Inspector's Signature — National Board, State, Province, and Endorsements

Date May 18, 1993

BB

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 18, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 92032190 PWO# 9901
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Intake Cooling Water

Quality Group C

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Gate Valve | Walworth | N/A | N/A | 4-50-325 | N/A | Replaced | No |
| Gate Valve | Walworth | N/A | N/A | 4-50-325 | N/A | Replacement | No |
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7. Description of Work Replaced valve at tag location 4-50-325.

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [X] Other [ ]

Pressure Nominal psi Test Temp. Nominal Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-022-4

# FORM NIS-2 (Back)

9. Remarks Mechanical connections no welding performed.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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] / Mech Maint Supv (Owner or Owner's Designee, Title) Date 5/19, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period September 17, 1992 to May 15, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[signature] (Inspector's Signature)

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
National Board, State, Province, and Endorsements

Date May 19, 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 19, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

Siemens / PO# B92691-01146
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Waste Disposal

Quality Group A

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Mech. Snubber | PSA | N/A | N/A | 4-1100 | N/A | Replaced | No |
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7. Description of Work Replaced load pin.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-024-4

# FORM NIS-2 (Back)

9. Remarks Original Load Pin damaged.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 6/21, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period May 1, 1993 to May 5, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[signature] Inspector's Signature

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
National Board, State, Province, and Endorsements

May 24 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 19, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

Siemens / PO# B92691-01146
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Feedwater

Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Mech. Snubber | PSA | 182 | N/A | 4-1035 | N/A | Replaced | No |
| Mech. Snubber | PSA | 11439 | N/A | 4-1035 | N/A | Replacement | No |
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7. Description of Work Replaced PSA-10 Mechanical Snubber at tag location 4-1035.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-025-4

# FORM NIS-2 (Back)

9. Remarks Replaced Snubber with previously tested spare serial # 11439.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 5/31, 1993

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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period May 1, 1993 to May 12, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[signature] Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)

Inspector's Signature

National Board, State, Province, and Endorsements

Date May 24, 1993

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 19, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

Siemens / PO# B92691-01146
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Main Steam

Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Mech. Snubber | PSA | 4589 | N/A | 4-1039 | N/A | Replaced | No |
| Mech. Snubber | PSA | 6998 | N/A | 4-1039 | N/A | Replacement | No |
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7. Description of Work Replaced PSA-35 Mechanical Snubber at tag location 4-1039.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-026-4

# FORM NIS-2 (Back)

9. Remarks Replaced Snubber with previously tested spare serial # 6998.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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] Mark Sifft Senior Engr Date 5/31, 19 93
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period May 1, 1993 to May 12, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[signature]
Inspector's Signature

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
National Board, State, Province, and Endorsements

Date May 24 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 19, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

Siemens / PO# B92691-01146
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Reactor Coolant

Quality Group A

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Mech. Snubber | PSA | 16253 | N/A | 4-1054 | N/A | Replaced | No |
| Mech. Snubber | PSA | 15718 | N/A | 4-1054 | N/A | Replacement | No |
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7. Description of Work Replaced PSA-10 Mechanical Snubber at tag location 4-1054.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-027-4

# FORM NIS-2 (Back)

9. Remarks Replaced Snubber with previously tested spare serial # 15718 per CR# 93-364.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 5/31, 19 93
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period May 1, 1993 to May 5, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[signature]
Inspector's Signature

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
National Board, State, Province, and Endorsements

Date May 24, 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 19, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

Siemens / PO# B92691-01146
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Reactor Coolant

Quality Group A

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Mech. Snubber | PSA | 11110 | N/A | 4-1055 | N/A | Replaced | No |
| Mech. Snubber | PSA | 7782 | N/A | 4-1055 | N/A | Replacement | No |
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7. Description of Work Replaced PSA-10 Mechanical Snubber at tag location 4-1055.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-028-4

# FORM NIS-2 (Back)

9. Remarks Replaced Snubber with previously tested spare serial # 7782 per CR# 93-326.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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] Maint Supt/Service Supt (Owner or Owner's Designee, Title) Date 5/01, 1993

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period April 27, 1993 to May 5, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[signature]
Inspector's Signature

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
National Board, State, Province, and Endorsements

Date May 24, 1993

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 20, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 93011906 PWO# 6172
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Main Steam

Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Safety Valve | Consolidated | N/A | N/A | RV-4-1400 | N/A | Replaced | No |
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7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-029-4

# FORM NIS-2 (Back)

9. Remarks Replaced pressure retaining studs and nuts, no welding performed.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 Mut Support Service Sfc Date 5/20, 1993
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period April 21, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

Inspector's Signature

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
National Board, State, Province, and Endorsements

Date May 22, 1993

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 20, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 92031543 PWO# 0259
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Main Steam Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Safety Valve | Consolidated | N/A | N/A | RV-4-1401 | N/A | Replaced | No |
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7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-030-4

# FORM NIS-2 (Back)

9. Remarks Replaced pressure retaining studs and nuts, no welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 [illegible] Mgr Safety Service Dept (Owner or Owner's Designee, Title) Date 5/22, 1993

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period January 14, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the inspection.

[illegible] (Inspector's Signature) Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I) (National Board, State, Province, and Endorsements)

May 22 1993

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 20, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 92031544 PWO# 0261
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Main Steam

Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Safety Valve | Consolidated | N/A | N/A | RV-4-1402 | N/A | Replaced | No |
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7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-031-4

# FORM NIS-2 (Back)

9. Remarks Replaced pressure retaining studs and nuts, no welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 5/20, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period January 14, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[signature] Inspector's Signature

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)

National Board, State, Province, and Endorsements

Date May 22 19 98

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 20, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 93008534 PWO# 5606
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Main Steam

Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Safety Valve | Consolidated | N/A | N/A | RV-4-1410 | N/A | Replaced | No |
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7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-032-4

# FORM NIS-2 (Back)

9. Remarks Replaced pressure retaining studs and nuts, no welding performed.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 [illegible] Maint Staff Service Supv (Owner or Owner's Designee, Title) Date 5/22, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period April 12, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[illegible] (Inspector's Signature) Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I) (National Board, State, Province, and Endorsements)

May 22 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 20, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 92032703 PWO# 0248
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Main Steam

Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Safety Valve | Consolidated | N/A | N/A | RV-4-1411 | N/A | Replaced | No |
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7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-033-4

# FORM NIS-2 (Back)

9. Remarks Replaced pressure retaining studs and nuts, no welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 5/20, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period January 5, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[signature] Inspector's Signature

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
National Board, State, Province, and Endorsements

May 22, 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 20, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 93012824 PWO# 6401
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Main Steam

Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Safety Valve | Consolidated | N/A | N/A | RV-4-1412 | N/A | Replaced | No |
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7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-034-4

# FORM NIS-2 (Back)

9. Remarks Replaced pressure retaining studs and nuts, no welding performed.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 5/22, 1993
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period May 1, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the inspection.

[signature]
Inspector's Signature

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
National Board, State, Province, and Endorsements

May 22 1993

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 20, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 92031546 PWO# 0256
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Main Steam

Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Safety Valve | Consolidated | N/A | N/A | RV-4-1413 | N/A | Replaced | No |
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7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-035-4

# FORM NIS-2 (Back)

9. Remarks Replaced pressure retaining studs and nuts, no welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 [illegible] Owner or Owner's Designee, Title Date 5/22, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period January 5, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[illegible] Inspector's Signature

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)

National Board, State, Province, and Endorsements

Date May 22 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 20, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 93012821 PWO# 6404
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Main Steam

Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Safety Valve | Consolidated | N/A | N/A | RV-4-1403 | N/A | Replaced | No |
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7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-036-4

# FORM NIS-2 (Back)

9. Remarks Replaced pressure retaining studs and nuts, no welding performed.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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] Mat Suppt Service Sgr (Owner or Owner's Designee, Title) Date 5/20, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period May 1, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[signature]
Inspector's Signature

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
National Board, State, Province, and Endorsements

Date May 22, 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 20, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 93012855 PWO# 6412
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Main Steam

Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Safety Valve | Consolidated | N/A | N/A | RV-4-1405 | N/A | Replaced | No |
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7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-037-4

# FORM NIS-2 (Back)

9. Remarks Replaced pressure retaining studs and nuts, no welding performed.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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] Manager Safety Services Safety (Owner or Owner's Designee, Title) Date 5/22, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period May 1, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[signature] Inspector's Signature

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
National Board, State, Province, and Endorsements

May 22 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 20, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 92042443 PWO# 1757
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Main Steam

Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Safety Valve | Consolidated | N/A | N/A | RV-4-1406 | N/A | Replaced | No |
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7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-038-4

# FORM NIS-2 (Back)

9. Remarks Replaced pressure retaining studs and nuts, no welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 5/22, 19 93

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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period September 18, 1992 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the inspection.

[signature]
Inspector's Signature

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
National Board, State, Province, and Endorsements

May 22 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 20, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 93012822 PWO# 6402
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Main Steam

Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Safety Valve | Consolidated | N/A | N/A | RV-4-1408 | N/A | Replaced | No |
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7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-039-4

# FORM NIS-2 (Back)

9. Remarks Replaced pressure retaining studs and nuts, no welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 [illegible] Owner or Owner's Designee, Title Date 5/22, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period May 1, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[illegible] Inspector's Signature

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)

National Board, State, Province, and Endorsements

May 22 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 20, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 92031545 PWO# 0263
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Main Steam

Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Safety Valve | Consolidated | N/A | N/A | RV-4-1407 | N/A | Replaced | No |
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7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-040-4

# FORM NIS-2 (Back)

9. Remarks Replaced pressure retaining studs and nuts, no welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 5/22, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period January 5, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[signature] Inspector's Signature

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
National Board, State, Province, and Endorsements

Date May 22, 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 20, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 91058614 PWO# 2264
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Chemical and Volume Control

Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Relief Valve | Crosby | N/A | N/A | RV-4-203 | N/A | Replaced | No |
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7. Description of Work Replaced two (2) bonnet studs and one (1) nut.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-041-4

# FORM NIS-2 (Back)

9. Remarks Replaced pressure retaining bolting, no welding performed.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 5-1/22, 19 93
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period June 26, 1992 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 the inspection.

[signature]
Inspector's Signature

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
National Board, State, Province, and Endorsements

Date May 22, 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 21, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 92056784 PWO# 3451
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Reactor Coolant System Quality Group A

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Safety Valve | Crosby | 1579 | N/A | RV-4-551A | N/A | Replaced | No |
| Safety Valve | Crosby | 1580 | N/A | RV-4-551A | N/A | Replacement | No |
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7. Description of Work Replaced valve at tag location RV-4-551A.

8. Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X]

Pressure 2280 psi Test Temp. 547 Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-042-4

# FORM NIS-2 (Back)

9. Remarks Replaced pressurizer safety valve, bolted connection no welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 [illegible] Mut Insp Service Sylv (Owner or Owner's Designee, Title) Date 5/20, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period December 3, 1993 to May 21, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[illegible] (Inspector's Signature) Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I) (National Board, State, Province, and Endorsements)

May 22 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 21, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 92056778 PWO# 3448
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Reactor Coolant System

Quality Group A

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Safety Valve | Crosby | N69877000004 | N/A | RV-4-551B | N/A | Replaced | No |
| Safety Valve | Crosby | N69877010008 | N/A | RV-4-551B | N/A | Replacement | No |
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7. Description of Work Replaced valve at tag location RV-4-551B.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒

Pressure 2280 psi Test Temp. 547 Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-043-4

# FORM NIS-2 (Back)

9. Remarks Replaced pressurizer safety valve, bolted connection no welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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] Mgr Inspl Service Sylv (Owner or Owner's Designee, Title) Date 5/22, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period December 3, 1993 to May 21, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[signature] Inspector's Signature

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
National Board, State, Province, and Endorsements

May 22, 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date May 21, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 92056783 PWO# 3449
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Reactor Coolant System

Quality Group A

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Safety Valve | Crosby | 1581 | N/A | RV-4-551C | N/A | Replaced | No |
| Safety Valve | Crosby | N6987701 0009 | N/A | RV-4-551C | N/A | Replacement | No |
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7. Description of Work Replaced valve at tag location RV-4-551C.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒

Pressure 2280 psi Test Temp. 547 Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-044-4

# FORM NIS-2 (Back)

9. Remarks Replaced pressurizer safety valve, bolted connection no welding performed.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 [illegible] Owner or Owner's Designee, Title Date 5/22, 1993

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period December 3, 1993 to May 21, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[illegible] Inspector's Signature

Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I)
National Board, State, Province, and Endorsements

Date May 22 19 93

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name) — Date 5-21-93

P.O. BOX 029100, MIAMI, FL 33152 (Address) — Sheet 1 of 1

2. Plant TURKEY POINT (Name) — Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address) — P.O. B93965-30045 (INCLUDING CHANGE ORDERS 1,2,3) (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by ~~BECHTEL CONSTRUCTION INC.~~ WELDING SERVICES INCORPORATED (Name) — Type Code Symbol Stamp N/A

2225 SKYLAND COURT NORCROSS, GEORGIA 30071 — Authorization No. N/A

~~P.O. BOX 3218, FLORIDA CITY, FL 33094~~ (Address) — Expiration Date N/A

4. Identification of System MAIN FEEDWATER

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, ~~N/A~~ N-416 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| | Name of Component | Name of ~~Manufacturer~~ Supplier | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|---|
| R93-1750 | 18"x14" REDUCER STM. GEN. "A" | TIOGA PIPE | 659 UNF | N/A | M&S# 097-11189-9 | 1993 | REPLACEMENT | NO |
| R93-1750 | 18"x14" REDUCER STM. GEN "B" | TIOGA PIPE | 659 UNF | N/A | M&S# 097-11189-9 | 1993 | REPLACEMENT | NO |
| R93-1750 | 18"x14" REDUCER STM. GEN "C" | TIOGA PIPE | 659 UNF | N/A | M&S# 097-11189-9 | 1993 | REPLACEMENT | NO |
| R92-2020 | 14" & SCH. 60 PIPE 6" LONG | TIOGA PIPE | A1500 | N/A | M&S# 097-07689-9 | | REPLACEMENT | NO |
| | | | | | | | | |
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7. Description of Work STEAM GENERATORS A, C: REPLACED REDUCER ON FEEDWATER PIPE AT STEAM GENERATOR NOZZLE; STEAM GENERATOR B: REPLACED REDUCER WITH 6" PIECE OF PIPE ON FEEDWATER PIPE AT STEAM GENERATOR NOZZLE

* NO HYDROSTATIC TEST AT THIS OUTAGE, ENVOKED CODE CASE.

93-045-4

# FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

ALL WELDING WAS PERFORMED PER PROCEDURES OF WELDING SERVICES INCORPORATED AND APPROVED BY FLORIDA POWER AND LIGHT

## CERTIFICATION 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.
repair or replacement

Type Code Symbol Stamp N/A

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

Signed J Marchese Date 5/21, 19 93
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 or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period _____ to _____, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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. Futhermore, 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 8230 FACTORY MUTUAL ENGINEERING ASSC (N) (1)
National Board, State, Province, and Endorsements

Date May 22 1993

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date June 22, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 92058087 PWO# 3641
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Reactor Coolant System Quality Group A

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Relief Valve | Copes Vulcan | N/A | N/A | PCV-4-455C | N/A | Replaced | No |
| | | | | | | | |
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7. Description of Work Replaced Bonnet Stud and Nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒

Pressure 2280 psi Test Temp. 547 Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-046-4

# FORM NIS-2 (Back)

9. Remarks Replaced bolting, no welding performed.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 [illegible] MAINT. MGR. (Owner or Owner's Designee, Title) Date 6/23, 1993

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period December 17, 1992 to April 26, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[illegible] (Inspector's Signature) Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I) (National Board, State, Province, and Endorsements)

Date June 23, 1993

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT (Name)
P.O. BOX 029100, MIAMI, FL 33102 (Address)

Date June 22, 1993

Sheet 1 of 1

2. Plant TURKEY POINT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Unit 4

WO# 92056277 PWO# 4280
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT (Name)
P.O. BOX 3088, FLORIDA CITY, FL 33034 (Address)

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System Feedwater

Quality Group B

5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---|---|---|---|---|---|---|---|
| Control Valve | Copes Vulcan | N/A | N/A | FCV-4-498 | N/A | Replaced | No |
| | | | | | | | |
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| | | | | | | | |

7. Description of Work Replaced Bonnet Studs (4) and Nuts (4).

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐

Pressure _____ psi Test Temp. _____ Degree's F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. X 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form

93-047-4

# FORM NIS-2 (Back)

9. Remarks Replaced bolting, no welding performed.
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or 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 [illegible] MAINT MGR. (Owner or Owner's Designee, Title) Date 6/23, 1993

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period January 19, 1993 to June 22, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 anypersonal injury or property damage or a loss of any kind arising from or connected with the inspection.

[illegible] (Inspector's Signature) Commissions Factory Mutual Engineering Assoc. NB 8230 (N) (I) (National Board, State, Province, and Endorsements)

June 23, 1993

# TURKEY POINT UNIT 4
# 1993 REFUELING OUTAGE

## Summary of Inservice Inspection Examinations

M GENERATOR C PRIMARY SIDE

ZONE NUMBER: 005

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE | INSC | GIOM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | (REF. DWG. NO. 4-V09C) | | | | | | | | | |
| 052900 | 4-SGC-I BOLTING | B-G-2 | VT-1 | NDE 4.1-6 | C | - | - | - | X | 4/28/93 - VT COMPLETE, BOLT 12 HAS A |
| | INLET MANWAY BOLTING | B7.30 | VT-1 | NDE 4.1-93-0410 | | X | - | - | - | DENT ON THE SHANK, BOLT WAS REPLACED |
| | CTMT | | CNR | 93-4-082 | | | | | | |
| | | | PWO | 93002706 | | | | | | |
| | | | | | | | | | | **N/A** |
| 053000 | 4-SGC-O BOLTING | B-G-2 | VT-1 | NDE 4.1-7 | C | - | - | - | X | 4/28/93 - VT COMPLETE, CORROSION AND |
| | OUTLET MANWAY BOLTING | B7.30 | VT-1 | NDE 4.1-93-0410 | | X | - | - | - | HOLE IN BOLTS, BOLTS WERE REPLACED |
| | CTMT | | CNR | 93-4-083 | | | | | | |
| | | | PWO | 93002706 | | | | | | |
| | | | | | | | | | | **N/A** |

TOR COOLANT SYSTEM LOOP A COLD LEG

ZONE NUMBER: 009

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NONRE | INSCE | OGIOH | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 41, 5614-P-766-S SH. 1 OF 1 (REF. DWG. NO. 4-A03) | | | | | | | | | |
| 057500 | 27.5"-RCS-1407-14 ELBOW TO RPV NOZZLE CTMT, 25'5", IN RPV | B-F B5.10 | PT UT | NDE 3.3-1 SEE REMARKS | C | X | - | - | - | 4/13/93 - PT COMPLETE, UT EXAMINATION PERFORMED DURING PREVIOUS OUTAGE, LIMITED EXAMINATION DUE TO TIGHT ACCESS IN SANDBOX AND NON-REMOVABLE INSULATION, EXAMINATION WAS PERFORMED IN ACCORDANCE WITH RELIEF REQUEST NO. 2 **UT-32** |

TOR COOLANT SYSTEM LOOP B COLD LEG

ZONE NUMBER: 012

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NCE | NORS | IGEI | OTHM | OTHR | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 41, 5614-P-766-S SH. 1 OF 1 (REF. DWG. NO. 4-A06) | | | | | | | | | | |
| 059600 | 27.5"-RCS-1406-14 ELBOW TO RPV NOZZLE CTMT, 25'8", IN RPV | B-F B5.10 | PT UT | NDE 3.3-2 SEE REMARKS | C | X | - | - | - | | 4/13/93 - PT COMPLETE, UT EXAMINATION PERFORMED DURING PREVIOUS OUTAGE, LIMITED EXAMINATION DUE TO TIGHT ACCESS IN SANDBOX AND NON-REMOVABLE INSULATION, EXAMINATION WAS PERFORMED IN ACCORDANCE WITH RELIEF REQUEST NO. 2 **UT-32** |

TOR COOLANT SYSTEM LOOP C COLD LEG

ZONE NUMBER: 015

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONCE | INSIG | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 41, 5614-P-766-S SH. 1 OF 1 (REF. DWG. NO. 4-A09) | | | | | | | | |
| 061700 | 27.5"-RCS-1409-14 ELBOW TO RPV NOZZLE CTMT, 25'8", IN RPV | B-F B5.10 | PT UT | NDE 3.3-3 SEE REMARKS | C | X | - | - | 4/13/93 - PT COMPLETE, UT EXAMINATION PERFORMED DURING PREVIOUS OUTAGE, LIMITED EXAMINATION DUE TO TIGHT ACCESS IN SANDBOX AND NON-REMOVABLE INSULATION, EXAMINATION WAS PERFORMED IN ACCORDANCE WITH RELIEF REQUEST NO. 2 **UT-32** |

TOR COOLANT SYSTEM PRESSURIZER SURGE LINE

ZONE NUMBER: 016

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONCE | INSIG | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 41, 5614-P-766-S SH. 1 OF 1 (REF. DWG. NO. 4-A10) | | | | | | | | |
| 062705 | 4-SR-400 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 25'7" | ---<br>--- | PT<br>NIS-2<br>PC/M | TS 9.4-W93-0107<br>93-002-4<br>91-200 | C | X | - | - | 93 - INTEGRAL ATTACHMENT REMOVED FROM SERVICE, SUPPORT WAS REPLACED<br>**N/A** |
| 062710 | SR-400<br>DUAL SPRING HANGER<br>CTMT, 25'7" | F-C<br>F3.50 | VT-3,4<br>CWO<br>PC/M<br>NIS-2 | TS 9.9-M93-0042<br>300567<br>91-200<br>93-002-4 | C | X | - | - | 93 - SPRING HANGER WAS REPLACED, BASELINE EXAMINATION<br>**N/A** |

CTOR COOLANT SYSTEM PRESSURIZER SAFETY LOOP A

ZONE NUMBER: 017

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NONRECIPIENT | INGSEIOGMT | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 41, 5614-P-564-S SH. 3 OF 3 (REF. DWG. NO. 4-A11) | | | | | | | | |
| 064250 | 4"-RC-1401-FB FLANGE BOLTING CTMT, 69'0" | B-G-2 B7.50 | VT-1 | NDE 4.1-8 | C | X | - - - | | 5/3/93 - VT COMPLETE **N/A** |

TOR COOLANT SYSTEM PRESSURIZER SAFETY LOOP B

ZONE NUMBER: 018

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSE | INGEI | GOMT | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 41, 5614-P-564-S SH. 3 OF 3 (REF. DWG. NO. 4-A12) | | | | | | | | | |
| 065350 | 4"-RC-1402-FB FLANGE BOLTING CTMT, 69'0" | B-G-2 B7.50 | VT-1 | NDE 4.1-9 | C | X | - | - | - | 5/3/93 - VT COMPLETE **N/A** |

TOR COOLANT SYSTEM PRESSURIZER SPRAY LINE

ZONE NUMBER: 021

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSE | INGIEC | SOMEG | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 41, 5614-P-566-S SH. 2 OF 2 (REF. DWG. NO. 4-A15) | | | | | | | | | |
| 071920 | 4-RCH-33 SLIDING STANCHION CTMT, 16'3" | F-C F3.10 | VT-3 | NDE 4.3-8 | C | X | - | - | - | 4/16/93 - VT COMPLETE **N/A** |

TOR COOLANT SYSTEM PRESSURIZER RELIEF LINE

ZONE NUMBER: 022

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSE | INGIEC | GSGH | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 41, 5614-P-564-S SH. 1 OF 3 (REF. DWG. NO. 4-A16) | | | | | | | | | |
| 076700 | 4"-RC-1406-1A NOZZLE TO SAFE-END CTMT, 70'3" | B-F B5.40 | RT | NDE 9.3-W93-0167 | C | - | X | - | - | 4/23/93 - RT COMPLETE, SURFACE EXAMINATION PERFORMED DURING PREVIOUS OUTAGE, ACCEPTABLE POROSITY AND TUNGSTEN INCLUSION, GRINDING MARKS **UT-53** |

DUAL HEAT REMOVAL TO RC LOOP A COLD LEG

ZONE NUMBER: 037

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONCE | INSIG | OMIT EXAM | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 50, 5614-P-509-S SH. 1 OF 4 (REF. DWG. NO. 4-A31) | | | | | | | | |
| 117500 | 8"-RHR-1401-3 | B-J | PT | NDE 3.3-8 | C | X | - | - | 4/24/93 - PT AND UT COMPLETE, ROOT |
| | ELBOW TO PIPE | B9.11 | UT 45 | NDE 5.4-3 | | - | - | X | GEOMETRY |
| | CTMT, 20'8" | | UT 60 | NDE 5.4-3 | | - | - | X | **UT-41** |

DUAL HEAT REMOVAL TO RC LOOP B COLD LEG

ZONE NUMBER: 038

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE | INSEC | GIOM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 50, 5614-P-509-S SH. 3 OF 4 (REF. DWG. NO. 4-A32) | | | | | | | | | |
| 122460 | 8073-H-826-01 IA INTEGRAL ATTACHMENT CTMT, 22'2" | B-K-1 B10.10 | PT | NDE 3.3-31 | C | X | - | - | - | 4/29/93 - PT COMPLETE **N/A** |

DUAL HEAT REMOVAL TO RC LOOP C COLD LEG

ZONE NUMBER: 039

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONRECIG | INSEIOG | OTHEMR | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 50, 5614-P-509-S SH. 4 OF 4 (REF. DWG. NO. 4-A33) | | | | | | | | |
| 124800 | VALVE 4-876C BOLTING<br>VALVE BOLTING<br>CTMT, 21'6" | B-G-2<br>B7.70 | VT-1 | NDE 4.1-3 | C | X | - | - | 4/2/93 - VT COMPLETE<br>**N/A** |
| 124940 | SR-449<br>SPRING HANGER<br>CTMT, 21'6" | F-C<br>F3.50 | VT-3,4<br>CNR<br>CR | NDE 4.3-77<br>93-4-080<br>93-356 | C | - | - | X | 5/1/93 - VT COMPLETE, BROKEN TACK WELD ON WASHER, DOES NOT INTERFERE WITH SUPPORT FUNCTION, ACCEPTED AS-IS BY ENGINEERING EVALUATION<br>**N/A** |
| 124960 | SR-449 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 21'6" | B-K-1<br>B10.10 | PT | NDE 3.3-35 | C | X | - | - | 4/30/93 - PT COMPLETE<br>**N/A** |

W HEAD SAFETY INJECTION LOOP A INSIDE CTMT

ZONE NUMBER: 040

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NONRE | INSCE | GIOM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 62, 5614-P-512-S SH. 1 OF 2 (REF. DWG. NO. 4-A34) | | | | | | | | | |
| 128300 | 2"-SI-1401-3 ELBOW TO PIPE CTMT, 28'3" | B-J B9.40 | PT | NDE 3.3-38 | C | X | - | - | - | 5/4/93 - PT COMPLETE **N/A** |

HEAD SAFETY INJECTION LOOP B INSIDE CTMT

ZONE NUMBER: 041

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORESULT | INGSEIOGMT | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 62, 5614-P-513-S SH. 1 OF 2 (REF. DWG. NO. 4-A35A) | | | | | | | | |
| 133500 | 2"-SI-1402-11 | B-J | PT | NDE 3.3-23 | C | - | - - | X | 4/24/93 - PT COMPLETE, LINEAR INDICATION |
| | PIPE TO ELBOW | B9.40 | PT | NDE 3.3-36 | | X | - - | - | ON ELBOW, SUSPECTED MANUFACTURING FLAW, |
| | CTMT, 20'1" | | CNR | 93-4-061 | | | | | 5/3/93 - PT RE-EXAMINATION COMPLETE |
| | | | CR | 93-324 | | | | | ATFER INDICATION REMOVAL |
| | | | | | | | | | **N/A** |

HEAD SAFETY INJECTION LOOP B INSIDE CTMT

ZONE NUMBER: 044

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NONRECIPIENT | INSPECTED | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 62, 5614-P-792-S SH. 1 OF 3 (REF. DWG. NO. 4-A38A) | | | | | | | | |
| 145550 | 8081-H-001-03 BOX RESTRAINT CTMT, 26'10" | F-B F2.10 | VT-3 CNR | NDE 4.3-78 93-4-081 | C | - | - | - | X 4/29/93 - VT COMPLETE, SUPPORT TAG MISSING, TAG WILL BE REPLACED **N/A** |
| 145700 | 2"-SI-1406-3 ELBOW TO PIPE CTMT, 26'10" | B-J B9.40 | PT | NDE 3.3-30 | C | X | - | - | - 4/29/93 - PT COMPLETE **N/A** |

ICAL & VOLUME CONTROL TO RC LOOP C HOT LEG

ZONE NUMBER: 045

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE | INCE | GSIG | OMTO | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 47, 5614-P-782-S SH. 2 OF 3 (REF. DWG. NO. 4-A39) | | | | | | | | | | |
| 153000 | 3"-CH-1401-14 PIPE TO ELBOW CTMT | B-J B9.21 | PT | NDE 3.3-14 | C | X | - | - | - | | 4/23/93 - PT COMPLETE **N/A** |
| 153100 | 3"-CH-1401-15 ELBOW TO PIPE CTMT | B-J B9.21 | PT | NDE 3.3-14 | C | X | - | - | - | | 4/23/93 - PT COMPLETE **N/A** |

ICAL & VOLUME CONTROL TO RC LOOP A COLD LEG

ZONE NUMBER: 046

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONCONFORMING | INSPECTED | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 47, 5614-P-782-S SH. 2 OF 3 (REF. DWG. NO. 4-A40) | | | | | | | | |
| 158450 | SR-935<br>SPRING HANGER<br>CTMT, 22'6" | F-C<br>F3.50 | VT-3,4<br>CNR<br>CR | NDE 4.3-89<br>93-4-098<br>93-481 | C | - | - | - | X | 5/12/93 - VT COMPLETE, COLD STAMP IS NOT AS SHOWN ON DRAWING, ACCEPTED AS-IS BY ENGINEERING EVALUATION, THERE WAS NO DEVIATION FROM DESIGN INFORMATION, THE LOAD MARKS ARE FOR INFORMATION ONLY<br>**N/A** |
| 158600 | 3"-CH-1402-15<br>PIPE TO TEE<br>CTMT | B-J<br>B9.21 | PT | NDE 3.3-27 | C | X | - | - | - | 4/29/93 - PT COMPLETE<br>**N/A** |
| 158700 | 3"-CH-1402-16<br>TEE TO PIPE<br>CTMT | B-J<br>B9.21 | PT | NDE 3.3-27 | C | X | - | - | - | 4/29/93 - PT COMPLETE<br>**N/A** |

HICAL AND VOLUME CONTROL TO REGENERATIVE HX

ZONE NUMBER: 047

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONCE | INSIG | OMEG | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 47, 5614-P-551-S SH. 1 OF 1 (REF. DWG. NO. 4-A41) | | | | | | | | | |
| 162960 | 4-VCH-62<br>SINGLE ACTING RESTRAINT<br>CTMT, 25'3" | F-C<br>F3.10 | VT-3<br>CNR<br>CR<br>PC/M | NDE 4.3-80<br>93-4-087<br>93-393<br>93-094 | A | - | - | - | X | 5/3/93 - VT COMPLETE, SUPPORT DOES NOT MATCH DRAWING, APPARENT BROKEN WELD, DAMAGE TO PIPE, BASE PLATE NOT PROPERLY BOLTED, SUPPORT WAS REMOVED, REDESIGNED, AND REPLACED<br>**N/A** |
| 163300 | 3"-CH-1403-7<br>PIPE TO ELBOW<br>CTMT, 17'3" | B-J<br>B9.21 | PT<br>PT<br>PT<br>CNR<br>CR<br>PWO | NDE 3.3-29<br>NDE 3.3-37<br>W93-0264<br>93-4-074<br>93-349<br>93012856 | C | - | - | - | X | 4/28/93 - PT COMPLETE, 2 UNACCEPTABLE LINEAR INDICATIONS, 5/2/93 - PT RE-EXAMINATION COMPLETE, INDICATIONS WERE REMOVED, SURFACE ANOMOLY<br>**N/A** |
| | | | | | | X | - | - | - | |
| | | | | | | X | - | - | - | |

ICAL & VOLUME CONTROL FROM THE REGENERATIVE HX

ZONE NUMBER: 049

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE | INSC | GIOM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 47, 5614-P-553-S SH. 3 OF 4 (REF. DWG. NO. 4-A43) | | | | | | | | | |
| 170700 | 2"-CH-1402-22 PIPE TO RESTRICTING ORIFICE CTMT, 15'6" | B-J B9.40 | PT | NDE 3.3-24 | C | X | - | - | - | 4/26/93 - PT COMPLETE **N/A** |

ICAL & VOLUME CONTROL SEAL INJECTION LOOP A

ZONE NUMBER: 050

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONCONFORMER | INSERVICE | GEOMETRIC | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 47, 5614-P-556-S SH. 1 OF 1 (REF. DWG. NO. 4-A44) | | | | | | | | | |
| 175500 | 1.5"-CH-1401-FB | B-G-2 | VT-1 | NDE 4.1-10 | C | - | - | - | X | 4/27/93 - VT COMPLETE, ADDITIONAL |
| | FLANGE BOLTING | B7.50 | VT-1 | NDE 4.1-13 | | X | - | - | - | CLEANING REQUIRED, 5/7/93 - VT |
| | CTMT, 29'7" | | CNR | 93-4-066 | | | | | | RE-EXAMINATION COMPLETE AFTER CLEANING |
| | | | PWO | 93007317 | | | | | | |
| | | | | | | | | | | **N/A** |

ICAL & VOLUME CONTROL SEAL INJECTION LOOP B

ZONE NUMBER: 051

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONRE | INSCE | GIOMT | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 47, 5614-P-554-S SH. 1 OF 2 (REF. DWG. NO. 4-A45) | | | | | | | | | |
| 180350 | 2"-CH-1404-FB2 FLANGE BOLTING CTMT, 30'7" | B-G-2 B7.50 | VT-1 | NDE 4.1-4 | C | X | - | - | - | 4/27/93 - VT COMPLETE **N/A** |
| 180450 | 2"-CH-1404-FB3 FLANGE BOLTING CTMT, 30'7" | B-G-2 B7.50 | VT-1 | NDE 4.1-5 | C | X | - | - | - | 4/28/93 - VT COMPLETE **N/A** |

ICAL & VOLUME CONTROL SEAL INJECTION LOOP C

ZONE NUMBER: 052

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSE | INGIO | GEMT | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 47, 5614-P-555-S SH. 2 OF 2 (REF. DWG. NO. 4-A46) | | | | | | | | | |
| 184720 | 2"-CH-1405-FB1 | B-G-2 | VT-1 | NDE 4.1-11 | C | - | - | - | X | 4/27/93 - VT COMPLETE, 5/7/93 - VT |
| | FLANGE BOLTING | B7.50 | VT-1 | NDE 4.1-12 | | X | - | - | - | RE-EXAMINATION AFTER CLEANING COMPLETE |
| | CTMT, 28'6" | | CNR | 93-4-065 | | | | | | |
| | | | PWO | 93007318 | | | | | | |
| | | | | | | | | | | **N/A** |

TOR COOLANT PUMP A

ZONE NUMBER: 056

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONRE | INSCE | GIOM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 41 (REF. DWG. NO. 4-V13A) | | | | | | | | | |
| 197300 | 4-RCP-A-FLYWHEEL | RG 1.14 | PT | 80165-2 | C | X | - | - | - | 2/12/93 - PT AND UT COMPLETED BY |
| | FLYWHEEL | | UT | 12560 | | X | - | - | - | WESTINGHOUSE, EXAMINED ENTIRE FLYWHEEL, |
| | CTMT | | | | | | | | | MOTOR SERIAL NUMBER 1S-76P499 PLACED IN SERVICE |
| | | | | | | | | | | **N/A** |

CTOR COOLANT PUMP B

NE NUMBER: 057

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSE | INGIEC | GSIG | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 41 (REF. DWG. NO. 4-V13B) | | | | | | | | | |
| 198200 | 4-RCP-B-FLYWHEEL FLYWHEEL CTMT | RG 1.14 | UT | NDE 5.15-1 | C | X | - | - | - | 4/30/93 - UT COMPLETE **N/A** |

REGENERATIVE HEAT EXCHANGER

LINE NUMBER: 059

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONCE | INSIG | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | (REF. DWG. NO. 4-V11) | | | | | | | | |
| 204300 | RGX 4E200 | --- | VT-2 | NDE 4.2-1 | C | X | - | - | 4/12/93 - VT-3 COMPLETE, 5/21/93 - VT-2 |
| | VISUAL FOR LEAKAGE | --- | VT-3 | NDE 4.3-1 | | X | - | - | COMPLETE, EXAMINED IN ACCORDANCE WITH |
| | CTMT | | | | | | | | RELIEF REQUEST NO. 3 |
| | | | | | | | | | **N/A** |

M GENERATOR A SECONDARY SIDE

ZONE NUMBER: 060

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NONRESEIN | INGSEIO | OTHERM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | (REF. DWG. NO. 4-V10A) | | | | | | | | | |
| 204700 | 4-SGA-CL | C-A | UT 0 | NDE 5.1-1 | C | - | - | - | X | 4/93 - UT COMPLETE, ACCEPTABLE SLAG |
| | TRANSITION TO UPPER SHELL WELD | C1.10 | UT 45 | NDE 5.1-1 | | - | - | X | X | INCLUSIONS, NOZZLE GEOMETRY |
| | CTMT | | UT 60 | NDE 5.1-1 | | - | - | - | X | |
| | | | | | | | | | | **UT-7** |
| 205300 | 4-SGA-SS | --- | VT | NDE 4.4-1 | A | X | - | - | - | 4/20/93 - VT COMPLETE |
| | SECONDARY SIDE EXAMINATION | --- | | | | | | | | |
| | CTMT | | | | | | | | | |
| | | | | | | | | | | **N/A** |

M GENERATOR B SECONDARY SIDE

ZONE NUMBER: 061

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSEC | INGSEI | OTHOM | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | (REF. DWG. NO. 4-V10B) | | | | | | | | |
| 206600 | 4-SGB-SS | --- | VT | NDE 4.4-2 | A | X | - | - | 4/20/93 - VT COMPLETE |
| | SECONDARY SIDE EXAMINATION | --- | | | | | | | |
| | CTMT | | | | | | | | **N/A** |

M GENERATOR C SECONDARY SIDE

ZONE NUMBER: 062

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE | INSC | GIOM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | (REF. DWG. NO. 4-V10C) | | | | | | | | | |
| 207900 | 4-SGC-SS<br>SECONDARY SIDE EXAMINATION<br>CTMT | ---<br>--- | VT | NDE 4.4-3 | A | X | - | - | - | 4/20/93 - VT COMPLETE<br>**N/A** |

CLASS 2 PUMPS

| ZONE NUMBER: SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONCE | INSIG | OMIT | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| 208390 | RHR PUMP 4P210A | --- | VT-1 | 4.1-1 | C | - | - | - | X | 10/20/92 - VT COMPLETE, WATER LEAKING FROM FLANGE, ACCEPTED AS-IS, WILL BE CORRECTED AT A FUTURE DATE WITH A PLANT WORK ORDER, EXAMS PERFORMED DURING THE 1992 UNIT 3 OUTAGE |
| | | --- | CNR | 92-4-003 | | | | | | |
| | | | PWO | 92047166 | | | | | | |
| 208400 | RHR PUMP 4P210B | --- | VT-1 | NDE 4.1-2 | C | - | - | - | X | 10/20/92 - VT COMPLETE, WATER LEAKING FROM FLANGE, BORIC ACID ACCUMULATION, ACCEPTED AS-IS, WILL BE CORRECTED AT A FUTURE DATE WITH A PLANT WORK ORDER, EXAMS PERFORMED DURING THE 1992 UNIT 3 OUTAGE |
| | | --- | CNR | 92-4-004 | | | | | | |
| | | | PWO | 92047260 | | | | | | |

DUAL HEAT REMOVAL TO RESID.HEAT REMOVAL PUMP A

ZONE NUMBER: 063

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSEC | INGSIE | OTHMOR | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 50, 5614-P-503-S SH. 1 OF 2 (REF. DWG. NO. 4-B01B) | | | | | | | | |
| 209900 | 14"-RHR-2401-15<br>PIPE TO VALVE 4-752A<br>5'7" | C-F<br>C5.11 | PT | NDE 3.3-34 | C | X | - | - | 4/27/93 - PT COMPLETE<br>**N/A** |
| 210700 | 14"-RHR-2402-8<br>PIPE TO PUMP CASING<br>(-) 2'9" | C-F<br>C5.11 | PT | NDE 3.3-34 | C | X | - | - | 4/27/93 - PT COMPLETE<br>**N/A** |

IDUAL HEAT REMOVAL TO RESID.HEAT REMOVAL PUMP B

E NUMBER: 064

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSEC | INGIOM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 50, 5614-P-503-S SH. 1 OF 2 (REF. DWG. NO. 4-B02) | | | | | | | | |
| 212900 | 14"-RHR-2403-12 PIPE TO PUMP CASING (-) 2'9" | C-F C5.11 | PT | NDE 3.3-19 | C | X | - | - - | 4/25/93 - PT COMPLETE **N/A** |

IDUAL HEAT REMOVAL FROM CONTAINMENT SUMP A

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSE | INSIGHT | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | RE NUMBER: 066 | | | | | | | | |
| | SYSTEM NO. 50, 5614-P-503-S SH. 2 OF 2 (REF. DWG. NO. 4-B04) | | | | | | | | |
| 216050 | 14"-RHR-2405-10LS LONG SEAM 0'4" | C-F C5.11 | PT | NDE 3.3-33 | C | X | - | - | 4/27/93 - PT COMPLETE **N/A** |
| 216100 | 14"-RHR-2405-11 PIPE TO TEE 0'4" | C-F C5.11 | PT | NDE 3.3-33 | C | X | - | - | 4/27/93 - PT COMPLETE **N/A** |

IDUAL HEAT REMOVAL FROM CONTAINMENT SUMP B

ZONE NUMBER: 067

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSC | INGSI | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 50, 5614-P-503-S SH. 2 OF 2 (REF. DWG. NO. 4-B05) | | | | | | | | |
| 216200 | 14"-RHR-2406-1<br>PIPE TO PIPE<br>7'5" | C-F<br>C5.11 | PT | NDE 3.3-32 | C | X | - | - | 4/29/93 - PT COMPLETE<br>**N/A** |
| 216540 | 4-SR-629<br>BOX RESTRAINT<br>7'2" | F-B<br>F2.10 | VT-3 | NDE 4.3-69 | C | X | - | - | 4/26/93 - VT COMPLETE<br>**N/A** |
| 216560 | 4-SR-629 IA<br>INTEGRAL ATTACHMENT<br>7'2" | C-C<br>C3.20 | PT | NDE 3.3-32 | C | X | - | - | 4/29/93 - PT COMPLETE<br>**N/A** |
| 760 | 4-SR-623 IA<br>INTEGRAL ATTACHMENT<br>(-) 0'1" | C-C<br>C3.20 | PT | NDE 3.3-25 | C | X | - | - | 4/26/93 - PT COMPLETE<br>**N/A** |

RESIDUAL HEAT REMOVAL INSIDE & OUTSIDE CONTAINMENT

ZONE NUMBER: 069

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE | INSEC | GIMG | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 50, 5614-P-509-S SH. 2 OF 4 (REF. DWG. NO. 4-B07B) | | | | | | | | | |
| 223020 | 12"-RHR-2402-30A PIPE TO PIPE CTMT, 21'0" | C-F C5.11 | PT | NDE 3.3-10 | C | X | - | - | - | 4/23/93 - PT COMPLETE **N/A** |
| 223080 | 12"-RHR-2402-30B PIPE TO PIPE CTMT, 21'0" | C-F C5.11 | PT | NDE 3.3-10 | C | X | - | - | - | 4/23/93 - PT COMPLETE **N/A** |
| 223400 | 12"-RHR-2402-34 TEE TO REDUCER CTMT, 21'0" | C-F C5.11 | PT | NDE 3.3-10 | C | X | - | - | - | 4/23/93 - PT COMPLETE **N/A** |
| 500 | 12"-RHR-2402-35 REDUCER TO VALVE 4-744A CTMT, 21'0" | C-F C5.11 | PT | NDE 3.3-10 | C | X | - | - | - | 4/23/93 - PT COMPLETE **N/A** |

IDUAL HEAT REMOVAL PUMP A DISCHARGE TO RHR HX A

ZONE NUMBER: 070

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORE | INSE | GIOM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 50, 5614-P-505-S SH. 2 OF 5 (REF. DWG. NO. 4-B08) | | | | | | | | | |
| 226300 | 10"-RHR-2401-16 VALVE 4-757A TO PIPE | C-F C5.11 | PT | NDE 3.3-15 | C | X | - | - | - | 4/25/93 - PT COMPLETE **N/A** |

RESIDUAL HEAT REMOVAL PUMP B DISCHARGE TO RHR HX B

VE NUMBER: 071

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORC | INSE | GIOM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 50, 5614-P-505-S SH. 1 OF 5 (REF. DWG. NO. 4-B09) | | | | | | | | | |
| 227640 | SR-640<br>SPRING HANGER<br>5'1/2" | F-C<br>F3.50 | VT-3,4<br>CNR<br>CR | NDE 4.3-73<br>93-4-075<br>93-347 | C | - | - | - | X | 4/26/93 - VT COMPLETE, DRAWING DISCREPENCY, ACCEPTED AS-IS BY ENGINEERING EVALUATION<br>**N/A** |
| 229000 | 10"-RHR-2402-24<br>VALVE 4-757B TO NOZZLE | C-F<br>C5.11 | PT | NDE 3.3-17 | C | X | - | - | - | 4/25/93 - PT COMPLETE<br>**N/A** |

IDUAL HEAT REMOVAL HEAT EXCHANGER B DISCHARGE

RE NUMBER: 073

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NONRE | INSIGHT | OGEMH | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 50, 5614-P-505-S SH. 4 OF 5 (REF. DWG. NO. 4-B11) | | | | | | | | | |
| 230500 | 10"-RHR-2404-1 NOZZLE TO ELBOW | C-F C5.11 | PT | NDE 3.3-16 | C | X | - | - | - | 4/25/93 - PT COMPLETE **N/A** |

SAFETY INJECTION FROM REACTOR WATER STORAGE TANK

ZONE NUMBER: 077

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORE | INSEC | GIOMT | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 62, 5614-P-502-S SH. 2 OF 4 (REF. DWG. NO. 4-B15) | | | | | | | | | |
| 231900 | SR-621 PIPE SUPPORT 15'7" | F-C F3.10 | VT-3 | NDE 4.3-6 | C | X | - | - | - | 4/15/93 - VT COMPLETE **N/A** |

IDUAL HEAT REMOVAL SYSTEM FROM ACCUMULATOR A

E NUMBER: 078

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORC | INSE | GIOM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 50, 5614-P-509-S SH. 1 OF 4 (REF. DWG. NO. 4-B16) | | | | | | | | | |
| 232910 | 4-SIH-68<br>SPRING HANGER<br>CTMT, 21'4" | F-C<br>F3.50 | VT-3,4<br>CNR<br>CR | NDE 4.3-72<br>93-4-073<br>93-348 | C | - | - | - | X | 4/29/93 - VT COMPLETE, INADEQUATE THREAD ENGAGEMENT, ACCEPTED AS-IS BY ENGINEERING EVALUATION<br>**N/A** |
| 232915 | 4-SIH-68 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 21'4" | C-C<br>C3.20 | PT | NDE 3.3-28 | C | X | - | - | - | 4/29/93 - PT COMPLETE<br>**N/A** |

RESIDUAL HEAT REMOVAL SYSTEM FROM ACCUMULATOR B

RE NUMBER: 079

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE C | INSE G | IOGH | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 50, 5614-P-509-S SH. 3 OF 4 (REF. DWG. NO. 4-B17) | | | | | | | | | |
| 233000 | 10"-SI-2402-1A | C-F | PT | NDE 3.3-9 | C | X | - | - | - | 4/23/93 - PT AND UT COMPLETE, ROOT |
| | NOZZLE TO PIPE | C5.21 | UT 45 | NDE 5.4-4 | | - | - | X | - | GEOMETRY, NO EXAMINATION FROM THE NOZZLE |
| | CTMT, 30'2" | | UT 60 | NDE 5.4-4 | | - | - | X | - | SIDE DUE TO ITS CONFIGURATION |
| | | | | | | | | | | **UT-27** |
| 233100 | SR-450B | F-C | VT-3,4 | NDE 4.3-68 | C | - | - | - | X | 4/23/93 - VT COMPLETE, LOOSE LOCK NUT; |
| | SPRING HANGER | F3.50 | VT-3,4 | NDE 4.3-76 | | X | - | - | - | 4/30/93 - VT RE-EXAMINATION COMPLETE, |
| | CTMT, 20'10" | | CNR | 93-4-060 | | | | | | LOCK NUT WAS TIGHTENED |
| | | | CR | 93-323 | | | | | | |
| | | | PWO | 93012700 | | | | | | **N/A** |

DUAL HEAT REMOVAL SYSTEM FROM ACCUMULATOR C

ZONE NUMBER: 080

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSE | INGSI | OEMGO | THER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 50, 5614-P-509-S SH. 4 OF 4 (REF. DWG. NO. 4-B18) | | | | | | | | | |
| 233280 | 10"-SI-2403-3 | C-F | PT | NDE 3.3-20 | C | X | - | - | - | 4/22/93 - PT AND UT COMPLETE, ROOT AND |
| | PIPE TO ELBOW | C5.21 | UT 45 | NDE 5.4-1 | | - | - | X | - | COUNTERBORE GEOMETRY |
| | CTMT, 18'9" | | UT 60 | NDE 5.4-1 | | - | - | X | - | |
| | | | | | | | | | | **UT-27** |

SAFETY INJECTION TO CONTAINMENT SPRAY PUMP A

ZONE NUMBER: 083

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORE | INCIDENT | GOUGE | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 62, 5614-P-502-S SH. 1 OF 4 (REF. DWG. NO. 4-B21) | | | | | | | | | |
| 234070 | 8"-SI-2401-6 ELBOW TO VALVE 4-844A | C-F C5.11 | PT | NDE 3.3-26 | C | X | - | - | - | 4/29/93 - PT COMPLETE **N/A** |
| 234090 | 8"-SI-2401-8 REDUCING ELBOW TO FLANGE | C-F C5.11 | PT | NDE 3.3-7 | C | X | - | - | - | 4/20/93 - PT COMPLETE **N/A** |

DUAL HEAT REMOVAL SYSTEM INSIDE CONTAINMENT

ZONE NUMBER: 085

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONCORE | INSIGNIFICANT | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 50, 5614-P-509-S SH. 2 OF 4 (REF. DWG. NO. 4-B23) | | | | | | | | |
| 235600 | 8"-SI-2403-1 | C-F | PT | NDE 3.3-21 | C | X | - | - | 4/24/93 - PT AND UT COMPLETE, ROOT |
| | TEE TO PIPE | C5.21 | UT 45 | NDE 5.4-2 | | - | - | X | GEOMETRY |
| | CTMT, 21'6" | | UT 60 | NDE 5.4-3 | | - | - | X | |
| | | | | | | | | | **UT-41** |
| 236000 | 8"-SI-2403-16 | C-F | PT | NDE 3.3-21 | C | X | - | - | 4/24/93 - PT AND UT COMPLETE, ROOT |
| | ELBOW TO PIPE | C5.21 | UT 45 | NDE 5.4-2 | | - | - | X | GEOMETRY |
| | CTMT, 26'8" | | UT 60 | NDE 5.4-3 | | - | - | X | |
| | | | | | | | | | **UT-41** |
| 236060 | 8"-SI-2403-17 | C-F | PT | NDE 3.3-21 | C | X | - | - | 4/24/93 - PT AND UT COMPLETE, ROOT |
| | PIPE TO VALVE 4-876B | C5.21 | UT 45 | NDE 5.4-2 | | - | - | X | GEOMETRY |
| | CTMT, 26'8" | | UT 60 | NDE 5.4-2 | | - | - | X | |
| | | | | | | | | | **UT-41** |

SAFETY INJECTION SYSTEM OUTSIDE CONTAINMENT

LINE NUMBER: 087

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONCOMPLIANCE | INSERVICE | GOMEC | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 62, 5614-P-502-S SH. 1 OF 4 (REF. DWG. NO. 4-B25) | | | | | | | | | |
| 237100 | 8"-SI-2405-7 VALVE 4-844B TO PIPE | C-F C5.11 | PT | NDE 3.3-5 | C | X | - | - | - | 4/20/93 - PT COMPLETE **N/A** |
| 237200 | 8"-SI-2405-8 PIPE TO REDUCER | C-F C5.11 | PT | NDE 3.3-5 | C | X | - | - | - | 4/20/93 - PT COMPLETE **N/A** |
| 237300 | 8"-SI-2405-9 REDUCER TO FLANGE | C-F C5.11 | PT | NDE 3.3-5 | C | X | - | - | - | 4/20/93 - PT COMPLETE **N/A** |

RESIDUAL HEAT REMOVAL SYSTEM INSIDE CONTAINMENT

ZONE NUMBER: 089

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONCONFORMING | INSERVICE | GOUGE | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 50, 5614-P-509-S SH. 1 OF 4 (REF. DWG. NO. 4-B27) | | | | | | | | | |
| 238950 | 4-89-A1<br>ANCHOR<br>CTMT, 26'0" | F-B<br>F2.10 | VT-3 | NDE 4.3-71 | C | X | - | - | - | 4/26/93 - VT COMPLETE<br>**N/A** |
| 238960 | 4-89-A1 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 26'0" | C-C<br>C2.30 | PT | NDE 3.3-22 | C | X | - | - | - | 4/24/93 - PT COMPLETE<br>**N/A** |
| 241350 | SR-445<br>BOX RESTRAINT<br>CTMT, 18'4" | F-B<br>F2.10 | VT-3 | NDE 4.3-70 | C | X | - | - | - | 4/26/93 - VT COMPLETE<br>**N/A** |

IDUAL HEAT REMOVAL SYSTEM OUTSIDE CONTAINMENT

NE NUMBER: 090

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORE | INSEC | GIOM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 50, 5614-P-504-S SH. 1 OF 2 (REF. DWG. NO. 4-B28) | | | | | | | | | |
| 245500 | 8"-SI-2408-14 PIPE TO ELBOW 19'0" | C-F C5.11 | PT | NDE 3.3-18 | C | X | - | - | - | 4/25/93 - PT COMPLETE **N/A** |
| 245600 | 8"-SI-2408-15 ELBOW TO VALVE 4-10-872 20'0" | C-F C5.11 | PT | NDE 3.3-18 | C | X | - | - | - | 4/25/93 - PT COMPLETE **N/A** |
| 245700 | 8"-SI-2408-16 VALVE 4-10-872 TO ELBOW 20'0" | C-F C5.21 | PT | NDE 3.3-18 | C | X | - | - | - | 4/25/93 - PT COMPLETE, 4/29/93 - UT |
| | | | UT 45 | NDE 5.4-6 | | - | - | X | - | COMPLETE, COUNTERBORE AND ROOT GEOMETRY |
| | | | UT 60 | NDE 5.4-6 | | - | - | X | - | **UT-41** |
| 900 | 8"-SI-2408-17 ELBOW TO ELBOW 25'0" | C-F C5.21 | PT | NDE 3.3-18 | C | X | - | - | - | 4/25/93 - PT COMPLETE; 4/29/93 - UT |
| | | | UT 45 | NDE 5.4-6 | | - | - | X | - | COMPLETE, ROOT AND COUNTERBORE GEOMETRY |
| | | | UT 60 | NDE 5.4-6 | | - | - | X | - | **UT-41** |
| 246100 | 8"-SI-2408-18 ELBOW TO PENETRATION 11 26'0" | C-F C5.21 | PT | NDE 3.3-18 | C | X | - | - | - | 4/25/93 - PT COMPLETE; 4/29/93 - UT |
| | | | UT 45 | NDE 5.4-6 | | - | - | X | - | COMPLETE, ROOT GEOMETRY |
| | | | UT 60 | NDE 5.4-6 | | X | - | - | - | **UT-41** |

ETY INJECTION PUMP D SUCTION

ZONE NUMBER: 093

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONCE | INSIG | OMIT | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 62, 5614-P-502-S SH. 4 OF 4 (REF. DWG. NO. 4-B31) | | | | | | | | | |
| 249400 | 6"-SI-2402-3 ELBOW TO PIPE | C-F C5.11 | PT | NDE 3.3-4 | C | X | - | - | - | 4/16/93 - PT COMPLETE **N/A** |
| 249440 | 6"-SI-2402-3LD 2.5T OF LONG SEAM DOWNSTREAM OF WELD 3 | C-F C5.12 | PT | NDE 3.3-4 | C | X | - | - | - | 4/16/93 - PT COMPLETE **N/A** |

RESIDUAL HEAT REMOVAL SYSTEM TO REFUELING CANAL

LINE NUMBER: 094

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONCONFORMING | INSPECTED | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 50, 5614-P-575-S SH. 1 OF 1 (REF. DWG. NO. 4-B32) | | | | | | | | |
| 251300 | 6"-SI-2403-15 PIPE TO ELBOW CTMT, 15'11" | C-F C5.11 | PT | NDE 3.3-13 | C | X | - | - | 4/24/93 - PT COMPLETE **N/A** |
| 251400 | 6"-SI-2403-16 ELBOW TO PIPE CTMT, 16'8" | C-F C5.11 | PT | NDE 3.3-13 | C | X | - | - | 4/24/93 - PT COMPLETE **N/A** |

TAINMENT SPRAY PUMP B DISCHARGE

NE NUMBER: 096

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE | INCS | GEIO | OTHM | OTHR | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 68, 5614-P-511-S SH. 1 OF 1 (REF. DWG. NO. 4-B34) | | | | | | | | | | |
| 255000 | 6"-CS-2402-1A<br>FLANGE TO REDUCING ELBOW<br>21'4" | C-F<br>C5.11 | PT | NDE 3.3-6 | C | X | - | - | - | | 4/20/93 - PT COMPLETE<br>**N/A** |
| 255200 | 6"-CS-2402-3<br>PIPE TO VALVE 4-880B<br>22'4" | C-F<br>C5.11 | PT | NDE 3.3-6 | C | X | - | - | - | | 4/20/93 - PT COMPLETE<br>**N/A** |

ON INJECTION TANK DISCHARGE

E NUMBER: 098

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORC | INSE | NGIO | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM 62, 5614-P-783-S SH. 1 OF 3 (REF. DWG. NO. 4-B35) | | | | | | | | | |
| 257800 | 6"-CS-2404-1 NOZZLE TO ELBOW | C-F C5.11 | PT | NDE 3.3-41 | C | X | - | - | - | 5/4/93 - PT COMPLETE **N/A** |

W STEAM SYSTEM LOOP A INSIDE CONTAINMENT

ZONE NUMBER: 099

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE | INSC | GEOM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 72, 5614-P-559-S SH. 1 OF 1 (REF. DWG. NO. 4-B37) | | | | | | | | | |
| 259500 | 4-99-A1<br>ANCHOR<br>CTMT, 54'10" | F-B<br>F2.10 | VT | NDE 4.3-85 | C | X | - | - | - | 5/4/93 - VT COMPLETE<br>**N/A** |
| 259550 | 4-99-A1 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 54'10" | C-C<br>C3.20 | MT | NDE 2.2-11 | C | X | - | - | - | 5/4/93 - MT COMPLETE<br>**N/A** |

N STEAM SYSTEM LOOP B INSIDE CONTAINMENT

ZONE NUMBER: 100

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSE | INGEC | IOGMT | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 72, 5614-P-560-S SH. 1 OF 1 (REF. DWG. NO. 4-B38) | | | | | | | | | |
| 260600 | 4-100-A1<br>ANCHOR<br>CTMT, 54'10" | F-B<br>F2.10 | VT-3 | NDE 4.3-86 | C | X | - | - | - | 5/6/93 - VT COMPLETE<br>**N/A** |
| 260650 | 4-100-A1 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 54'10" | C-C<br>C3.20 | MT | NDE 2.2-14 | C | X | - | - | - | 5/5/93 - MT COMPLETE<br>**N/A** |

STEAM GENERATOR A BLOWDOWN INSIDE CONTAINMENT

LINE NUMBER: 105

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NONCONFORMING | INTERSEC | GEOMETRY | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 71, 5614-P-790-S SH. 2 OF 3 (REF. DWG. NO. 4-B49A) | | | | | | | | | |
| 268760 | 78102B-H-420-12 IA<br>INTEGRAL ATTACHMENTS<br>CTMT, 32'6" | C-C<br>C3.20 | MT | NDE 2.2-9 | C | X | - | - | - | 5/3/93 - MT COMPLETE<br>**N/A** |
| 269860 | 78102B-H-420-09 IA<br>INTEGRAL ATTACHMENTS<br>CTMT, 25'8" | C-C<br>C3.20 | MT | NDE 2.2-9 | C | X | - | - | - | 5/3/93 - MT COMPLETE<br>**N/A** |
| | SYSTEM NO. 71, 5614-P-790-S SH. 1 OF 3 (REF. DWG. NO. 4-B49B) | | | | | | | | | |
| 270200 | 6"-BDA-2401-17<br>PIPE TO PIPE<br>CTMT, 20'6" | C-F<br>C5.21 | MT<br>UT 45<br>UT 60 | NDE 2.2-7<br>NDE 5.2-1<br>NDE 5.2-1 | C | X<br>-<br>X | -<br>-<br>- | -<br>X<br>- | -<br>-<br>- | 5/3/93 - MT COMPLETE, 5/4/93 - UT COMPLETE, ROOT GEOMETRY<br>**UT-22** |
| 270220 | 78102B-H-420-08<br>BOX RESTRAINT<br>CTMT, 21'0" | F-B<br>F2.10 | VT-3 | NDE 4.3-82 | C | X | - | - | - | 5/3/93 - VT COMPLETE<br>**N/A** |
| 270240 | 78102B-H-420-08 IA<br>INTEGRAL ATTACHMENTS<br>CTMT, 21'0" | C-C<br>C3.20 | MT | NDE 2.2-8 | C | X | - | - | - | 5/3/93 - MT COMPLETE<br>**N/A** |
| 270440 | 78102B-H-420-03<br>BOX RESTRAINT<br>CTMT, 26'0" | F-B<br>F2.10 | VT-3<br>CNR<br>CR | NDE 4.3-67<br>93-4-050<br>93-300 | C | - | - | - | X | 4/24/93 - VT COMPLETE, SUPPORT DOES NOT MATCH DRAWING, ACCEPTED AS-IS BY ENGINEERING EVALUATION<br>**N/A** |
| 270460 | 78102B-H-420-03 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 26'0" | C-C<br>C3.20 | MT | NDE 2.2-3 | C | X | - | - | - | 4/22/93 - MT COMPLETE<br>**N/A** |

STEAM GENERATOR A BLOWDOWN INSIDE CONTAINMENT

LINE NUMBER: 105

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE | INSC | GIGM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 71, 5614-P-790-S SH. 1 OF 3 (REF. DWG. NO. 4-B49B) | | | | | | | | | |
| 270540 | 78102B-H-420-02 BOX RESTRAINT CTMT, 26'0" | F-B F2.10 | VT-3 | NDE 4.3-81 | C | X | - | - | - | 5/3/93 - VT COMPLETE **N/A** |
| 270560 | 78102B-H-420-02 IA INTEGRAL ATTACHMENTS CTMT, 26'0" | C-C C3.20 | PT | NDE 3.3-39 | C | X | - | - | - | 5/4/93 - PT COMPLETE, ACCEPTABLE ROUNDED AND LINEAR INDICATIONS **N/A** |
| 270760 | 78102B-H-420-01 IA INTEGRAL ATTACHMENTS CTMT, 26'0" | C-C C3.20 | PT | NDE 3.3-42 | C | X | - | - | - | 5/3/93 - PT COMPLETE **N/A** |

AM GENERATOR B BLOWDOWN INSIDE CONTAINMENT

NE NUMBER: 106

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE C | INSEG | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 71, 5614-P-791-S SH. 1 OF 1 (REF. DWG. NO. 4-B50A) | | | | | | | | |
| 272960 | 78102B-H-421-06 IA<br>INTEGRAL ATTACHMENTS<br>CTMT, 33'11" | C-C<br>C3.20 | MT | NDE 2.2-10 | C | X | - | - | 5/3/93 - MT COMPLETE<br>**N/A** |
| | SYSTEM NO. 71, 5614-P-791-S SH. 1 OF 1 (REF. DWG. NO. 4-B50B) | | | | | | | | |
| 273650 | 78102B-H-421-02<br>BOX RESTRAINT<br>CTMT, 25'0" | F-B<br>F2.10 | VT-3 | NDE 4.3-84 | C | X | - | - | 5/3/93 - VT COMPLETE<br>**N/A** |
| 273660 | 78102B-H-421-02 IA<br>INTEGRAL ATTACHMENTS<br>CTMT, 25'0" | C-C<br>C3.20 | PT<br>PT<br>CHR<br>CR | NDE 3.3-40<br>NDE 3.3-44<br>93-4-090<br>93-415 | C | -<br>X | -<br>- | X<br>- | 5/4/93 - PT COMPLETE, ALIGNED ROUNDED INDICATIONS, INDICATIONS REMOVED, SURFACE ANOMOLY<br>**N/A** |
| 273850 | 78102B-H-421-01<br>BOX RESTRAINT<br>CTMT, 25'0" | F-B<br>F2.10 | VT-3 | NDE 4.3-83 | C | X | - | - | 5/3/93 - VT COMPLETE<br>**N/A** |
| 273860 | 78102B-H-421-01 IA<br>INTEGRAL ATTACHMENTS<br>CTMT, 25'0" | C-C<br>C3.20 | PT | NDE 3.3-43 | C | X | - | - | 5/4/93 - PT COMPLETE<br>**N/A** |

STEAM GENERATOR C BLOWDOWN INSIDE CONTAINMENT

LINE NUMBER: 107

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSEC | INGIOMT | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 71, 5614-P-785-S SH. 1 OF 3 (REF. DWG. NO. 4-B51B) | | | | | | | | |
| 276450 | 78102B-H-422-03<br>BOX RESTRAINT<br>CTMT, 25'0" | F-B<br>F2.10 | VT-3 | NDE 4.3-74 | C | X | - | - - | 4/28/93 - VT COMPLETE<br>**N/A** |
| 276460 | 78102B-H-422-03 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 25'0" | C-C<br>C3.20 | MT | NDE 2.2-5 | C | X | - | - - | 4/28/93 - MT COMPLETE<br>**N/A** |
| 276540 | 78102B-H-422-02<br>PIPE SUPPORT<br>CTMT, 25'0" | F-B<br>F2.10 | VT-3 | NDE 4.3-75 | C | X | - | - - | 4/28/93 - VT COMPLETE<br>**N/A** |
| 276560 | 78102B-H-422-02 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 25'0" | C-C<br>C3.20 | MT | NDE 2.2-4 | C | X | - | - - | 4/28/93 - MT COMPLETE<br>**N/A** |

N FEEDWATER SYSTEM LOOP A

RE NUMBER: 111

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE CE | INSIGHT | OGEM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 74, 5614-P-557-S SH. 1 OF 1 (REF. DWG. NO. 4-B55B) | | | | | | | | | |
| 282245 | 4-FWH-19A IA | C-C | MT | NDE 2.2-16 | C | X | - | - | - | 5/8/93 - MT COMPLETE |
| | INTEGRAL ATTACHMENTS | C3.20 | | | | | | | | |
| | CTMT, 51'10" | | | | | | | | | **N/A** |
| 282950 | 14"-FWA-2401-28 | C-F | MT | NDE 2.2-19 | C | X | - | - | - | 5/15/93 - MT AND UT COMPLETE BEFORE HEAT |
| | PIPE TO REDUCER | C5.21 | MT | NDE 2.2-23 | | X | - | - | - | TREATMENT, 5-17-93 - MT AND UT COMPLETE |
| | CTMT, 68'5" | | UT 0 | NDE 5.2-6 | | X | - | - | - | AFTER HEAT TREATMENT, ROOT AND |
| | | | UT 45 | NDE 5.2-6 | | - | - | X | - | COUNTERBORE GEOMETRY, BASELINE |
| | | | UT 60 | NDE 5.2-6 | | - | - | X | - | EXAMINATION |
| | | | UT 70 | NDE 5.2-6 | | - | - | X | - | **UT-20** |
| | | | UT 0 | NDE 5.2-10 | | X | - | - | - | |
| | | | UT 45 | NDE 5.2-10 | | - | - | X | - | |
| | | | UT 60 | NDE 5.2-10 | | - | - | X | - | |
| 283050 | 18"-FWA-2401-29 | C-F | MT | NDE 2.2-20 | C | X | - | - | - | 5/15/93 - MT AND UT COMPLETE BEFORE HEAT |
| | REDUCER TO NOZZLE | C5.21 | MT | NDE 2.2-23 | | X | - | - | - | TREATMENT, 5/17/93 - MT AND UT COMPLETE |
| | CTMT, 68'5" | | UT 0 | NDE 5.2-5 | | X | - | - | - | AFTER HEAT TREATMENT, ROOT GEOMETRY, |
| | | | UT 45 | NDE 5.2-5 | | - | - | X | - | BASELINE EXAMINATION |
| | | | UT 60 | NDE 5.2-5 | | - | - | X | - | **UT-29** |
| | | | UT 0 | NDE 5.2-9 | | X | - | - | - | |
| | | | UT 45 | NDE 5.2-9 | | - | - | X | - | |
| | | | UT 60 | NDE 5.2-9 | | - | - | X | - | |
| 284460 | AUGMENTED EXAM | IE BUL | UT | NDE 5.16-1 | C | - | - | - | X | 5/1/93 - CRACKLIKE INDICATIONS FOUND IN |
| | STEAM GENERATOR FEEDWATER | 79-13 | VT-1 | NDE 4.1-14 | | X | - | - | - | THE NOZZLE TO REDUCER WELD, VISUAL |
| | NOZZLE PIPING | | CNR | 93-4-069 | | | | | | EXAMINATION PERFORMED ON INSIDE SURFACE |
| | CTMT, 68'5" | | CR | 93-370 | | | | | | OF NOZZLE AFTER REDUCER REMOVAL, REDUCER |
| | | | PWO | 93013356 | | | | | | WAS REPLACED AND A BASELINE EXAMINATION |
| | | | UT | NDE 5.16-4 | | - | - | X | - | PERFORMED |
| | | | | | | | | | | **UT-20, UT-29** |

IN FEEDWATER SYSTEM LOOP B

NE NUMBER: 112

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONCOMPLIANCE REASON | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 74, 5614-P-558-S SH. 1 OF 1 (REF. DWG. NO. 4-B56) | | | | | | |
| 285960 | 80116-R-005-01 IA | C-C | MT | NDE 2.2-12 | C | X - - - | 5/5/93 - MT COMPLETE |
| | INTEGRAL ATTACHMENTS | C3.20 | | | | | |
| | CTMT, 60'3" | | | | | | **N/A** |
| 286550 | 14"-FWB-2402-20 | C-F | MT | NDE 2.2-21 | C | X - - - | 5/16/93 - MT AND UT COMPLETE BEFORE HEAT |
| | PIPE TO PIPE | C5.21 | MT | NDE 2.2-24 | | X - - - | TREATMENT, 5/18/93 - MT AND UT COMPLETE |
| | CTMT, 68'6" | | UT 0 | NDE 5.2-8 | | X - - - | AFTER HEAT TREATMENT, ROOT GEOMETRY, |
| | | | UT 45 | NDE 5.2-8 | | - - X - | BASELINE EXAMINATION |
| | | | UT 60 | NDE 5.2-8 | | - - X - | **UT-20** |
| | | | UT 70 | NDE 5.2-8 | | - - X - | |
| | | | UT 45 | NDE 5.2-11 | | - - X - | |
| | | | UT 60 | NDE 5.2-11 | | - - X - | |
| | | | UT 70 | NDE 5.2-11 | | - - X - | |
| | | | UT 0 | NDE 5.2-12 | | X - - - | |
| 650 | 14"-FWB-2402-21 | C-F | MT | NDE 2.2-17 | C | X - - - | 5/11/93 - MT AND UT COMPLETE BEFORE HEAT |
| | PIPE TO REDUCER | C5.21 | MT | NDE 2.2-24 | | X - - - | TREATMENT, 5/18/93 - MT AND UT COMPLETE |
| | CTMT, 68'6" | | UT 0 | NDE 5.2-2 | | X - - - | AFTER HEAT TREATMENT, ROOT AND |
| | | | UT 45 | NDE 5.2-2 | | - - X - | COUNTERBORE GEOMETRY, BASELINE |
| | | | UT 60 | NDE 5.2-2 | | - - X - | EXAMINATION |
| | | | UT 45 | NDE 5.2-14 | | - - X - | **UT-20** |
| | | | UT 60 | NDE 5.2-14 | | - - X - | |
| | | | UT 70 | NDE 5.2-14 | | - - X - | |
| 286750 | 18"-FWB-2402-22 | C-F | MT | NDE 2.2-22 | C | X - - - | 5/16/93 - MT AND UT COMPLETE BEFORE HEAT |
| | REDUCER TO NOZZLE | C5.21 | MT | NDE 2.2-24 | | X - - - | TREATMENT, 5/18/93 - MT AND UT COMPLETE |
| | CTMT,68'6" | | UT 0 | NDE 5.2-7 | | X - - - | AFTER HEAT TREATMENT, ROOT GEOMETRY, |
| | | | UT 45 | NDE 5.2-7 | | - - X - | BASELINE EXAMINATION |
| | | | UT 60 | NDE 5.2-7 | | - - X - | **UT-29** |
| | | | UT 45 | NDE 5.2-13 | | - - X - | |
| | | | UT 60 | NDE 5.2-13 | | - - X - | |
| 286980 | AUGMENTED EXAM | IE BUL | UT | NDE 5.16-1 | C | - - - X | 5/1/93 - CRACKLIKE INDICATIONS FOUND IN |
| | STEAM GENERATOR FEEDWATER | 79-13 | VT-1 | NDE 4.1-15 | | X - - - | THE NOZZLE TO REDUCER WELD, VISUAL |
| | NOZZLE PIPING | | CNR | 93-4-069 | | | EXAMINATION PERFORMED ON THE INSIDE |
| | CTMT, 68'6" | | CR | 93-370 | | | SURFACE OF NOZZLE AFTER REDUCER REMOVAL, |
| | | | PWO | 93013356 | | | REDUCER WAS REPLACED AND A BASELINE |
| | | | UT | NDE 5.16-5 | | - - X - | EXAMINATION PERFORMED |
| | | | | | | | **UT-20, UT-29** |

FEEDWATER SYSTEM LOOP C

ZONE NUMBER: 113

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NONCONFORMING | INSERVICE | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 74, 5614-P-789-S SH. 1 OF 1 (REF. DWG. NO. 4-B57) | | | | | | | | |
| 288440 | 80116-R-006-02 IA | C-C | MT | NDE 2.2-15 | C | X | - | - | 5/7/93 - MT COMPLETE |
| | INTEGRAL ATTACHMENTS | C3.20 | | | | | | | |
| | CTMT, 51'10" | | | | | | | | **N/A** |
| 288670 | 80116-R-006-01 IA | C-C | MT | NDE 2.2-13 | C | X | - | - | 5/5/93 - MT COMPLETE |
| | INTEGRAL ATTACHMENTS | C3.20 | | | | | | | |
| | CTMT, 61'3" | | | | | | | | **N/A** |
| 289050 | 14"-FWC-2403-19 | C-F | UT 0 | NDE 5.2-15 | A | X | - | - | 5/18/93 -UT COMPLETE |
| | PIPE TO PIPE | C5.21 | UT 45 | NDE 5.2-15 | | X | - | - | |
| | CTMT, 68'5" | | UT 60 | NDE 5.2-15 | | X | - | - | |
| | | | | | | | | | **UT-20** |
| 150 | 14"-FWC-2403-20 | C-F | MT | NDE 2.2-18 | C | X | - | - | 5/15/93 - MT AND UT COMPLETE BEFORE HEAT |
| | PIPE TO REDUCER | C5.21 | MT | NDE 2.2-25 | | X | - | - | TREATMENT, 5/18/93 - MT AND UT COMPLETE |
| | CTMT, 68'5" | | UT 0 | NDE 5.2-3 | | X | - | - | AFTER HEAT TREATMENT, ROOT AND |
| | | | UT 45 | NDE 5.2-3 | | - | - | X | COUNTERBORE GEOMETRY, BASELINE |
| | | | UT 60 | NDE 5.2-3 | | - | - | X | EXAMINATION |
| | | | UT 0 | NDE 5.2-15 | | X | - | - | **UT-20** |
| | | | UT 45 | NDE 5.2-15 | | - | - | X | |
| | | | UT 60 | NDE 5.2-15 | | - | - | X | |
| 289250 | 18"-FWC-2403-21 | C-F | MT | NDE 2.2-18 | C | X | - | - | 5/15/93 - MT AND UT COMPLETE BEFORE HEAT |
| | REDUCER TO NOZZLE | C5.21 | MT | NDE 2.2-25 | | X | - | - | TREATMENT, 5/18/93 - MT AND UT COMPLETE |
| | CTMT, 68'5" | | UT 0 | NDE 5.2-4 | | X | - | - | AFTER HEAT TREATMENT, ROOT GEOMETRY, |
| | | | UT 45 | NDE 5.2-4 | | - | - | X | BASELINE EXAMINATION |
| | | | UT 60 | NDE 5.2-4 | | - | - | X | **UT-29** |
| | | | UT 0 | NDE 5.2-16 | | X | - | - | |
| | | | UT 45 | NDE 5.2-16 | | - | - | X | |
| | | | UT 60 | NDE 5.2-16 | | - | - | X | |
| 289650 | AUGMENTED EXAM | IE BUL | UT | NDE 5.16-3 | C | - | - | X | 4/23/93 - UT COMPLETE, CRACKLIKE |
| | STEAM GENERATOR FEEDWATER | 79-13 | VT-1 | NDE 4.1-16 | | X | - | - | INDICATIONS FOUND IN THE NOZZLE TO |
| | NOZZLE PIPING | | CNR | 93-4-069 | | | | | REDUCER WELD, VISUAL EXAMINATION |
| | CTMT, 68'5" | | CR | 93-370 | | | | | PERFORMED ON THE INSIDE SURFACE OF |
| | | | PWO | 93013356 | | | | | NOZZLE AFTER REDUCER REMOVAL, REDUCER |
| | | | UT | NDE 5.16-6 | | - | - | X | WAS REPLACED AND A BASELINE EXAMINATION |
| | | | | | | | | | PERFORMED |
| | | | | | | | | | **UT-20, UT-29** |

MAIN FEEDWATER BYPASS LOOP A

LINE NUMBER: 114

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONCONFORMING | INSERVICE | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 74, 5614-P-770-S SH. 3 OF 4 (REF. DWG. NO. 4-B58) | | | | | | | | |
| 290100 | 7884-R-014-01<br>BOX RESTRAINT<br>40'0" | F-C<br>F3.10 | VT-3<br>CNR<br>PWO | NDE 4.3-79<br>93-4-085<br>93007585 | C | - | - | - | X | 5/1/93 - VT COMPLETE, CHIPPED CONCRETE AROUND BASE PLATE, PWO ISSUED TO CORRECT AT A LATER DATE<br>**N/A** |
| 290150 | 7884-R-014-01 IA<br>INTEGRAL ATTACHMENTS<br>40'0" | C-C<br>C3.20 | MT | NDE 2.2-6 | C | X | - | - | - | 4/29/93 - MT COMPLETE<br>**N/A** |

N FEEDWATER BYPASS LOOP B

NE NUMBER: 115

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSEC | INGSIG | OTHOTH | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 74, 5614-P-770-S SH. 2 OF 4 (REF. DWG. NO. 4-B59) | | | | | | | | |
| 290850 | 7884-R-014-02<br>BOX RESTRAINT<br>40'0" | F-B<br>F2.10 | VT-3 | NDE 4.3-65 | C | X | - | - | 4/21/93 - VT COMPLETE<br>**N/A** |
| 290860 | 7884-R-014-02 IA<br>INTEGRAL ATTACHMENTS<br>40'0" | C-C<br>C3.20 | MT | NDE 2.2-1 | C | X | - | - | 4/19/93 - MT COMPLETE<br>**N/A** |

N FEEDWATER BYPASS LOOP C

ZONE NUMBER: 116

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORC | INSE | GIOM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 74, 5614-P-770-S SH. 1 OF 4 (REF. DWG. NO. 4-B60) | | | | | | | | | |
| 291600 | 7884-R-014-03<br>BOX RESTRAINT<br>40'0" | F-B<br>F2.10 | VT-3 | NDE 4.3-66 | C | X | - | - | - | 4/21/93 - VT COMPLETE<br>**N/A** |
| 291610 | 7884-R-014-03 IA<br>INTEGRAL ATTACHMENTS<br>40'0" | C-C<br>C3.20 | MT | NDE 2.2-2 | C | X | - | - | - | 4/19/93 - MT COMPLETE<br>**N/A** |

RESIDUAL HEAT EXCHANGER A

LINE NUMBER: 117

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE CG | INSE IG | OTHE OR | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | (REF. DWG. NO. 4-V14A) | | | | | | | | |
| 292400 | 4-RHE-A1 | C-A | UT 45 | NDE 5.4-5 | C | - - | X | - | 4/24/93 - UT COMPLETE, ROOT GEOMETRY |
| | HEAD TO SHELL | C1.20 | UT 60 | NDE 5.4-5 | | X - | - | - | |
| | | | | | | | | | **UT-55** |
| 292500 | 4-RHE-A2 | C-A | UT 45 | NDE 5.4-5 | C | - - | X | - | 2/24/93 - UT COMPLETE, ROOT GEOMETRY AND |
| | SHELL TO FLANGE | C1.10 | UT 60 | NDE 5.4-5 | | - - | X | - | WELDED ATTACHMENT ON THE INSIDE SURFACE |
| | | | | | | | | | **UT-55** |
| 292630 | 4-RHE-A9 | C-B | PT | NDE 3.3-11 | C | X - | - | - | 4/23/93 - PT COMPLETE |
| | REINFORCEMENT PLATE TO SHELL | C2.31 | | | | | | | |
| | | | | | | | | | **N/A** |
| 292640 | 4-RHE-A10 | C-B | PT | NDE 3.3-11 | C | X - | - | - | 4/23/93 - PT COMPLETE |
| | REINFORCEMENT PLATE TO NOZZLE | C2.31 | | | | | | | |
| | | | | | | | | | **N/A** |

ESS LETDOWN HEAT EXCHANGER

ZONE NUMBER: 119

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE | INSC | ONGI | OTHO | ERR | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ATLAS SERIAL NO. 846, NATIONAL BOARD NO. 697 (REF. DWG. NO. 4-V15) | | | | | | | | | | |
| 293700 | 4-LDHX-2 | C-A | UT 45 | NDE 5.4-7 | C | - | - | X | - | | 4/27/93 - UT COMPLETE, ROOT GEOMETRY, |
| | SHELL TO FLANGE | C1.30 | UT 60 | NDE 5.4-7 | | - | - | X | - | | WELD ATTACHMENT, ROOT GEOMETRY FROM LONG |
| | CTMT | | | | | | | | | | SEAM |
| | | | | | | | | | | | **UT-41** |
| 293750 | 4-LDHX-2LS | --- | UT 45 | NDE 5.4-7 | C | - | - | X | - | | 4/27/93 - UT COMPLETE, ROOT GEOMETRY, |
| | LONGITUDINAL SEAM | --- | | | | | | | | | WELD WAS FOUND DURING EXAMINATION OF |
| | CTMT | | | | | | | | | | CIRCUMFERENTIAL WELD |
| | | | | | | | | | | | **UT-41** |

PONENT COOLING WATER INSIDE CONTAINMENT

NE NUMBER: 120

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONRECIGNSEOHTER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 30, 5614-P-536-S SH. 1 OF 4 (REF. DWG. NO. 4-C01) | | | | | | |
| 293800 | 4-ACH-150<br>PIPE SUPPORT<br>CTMT, 17'0" | F-B<br>F2.10 | VT-3 | NDE 4.3-47 | C | X - - - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 293850 | 4-ACH-150 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 17'0" | D-A<br>D1.20 | VT-3 | NDE 4.3-48 | C | X - - - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 294000 | 4-120-A1<br>ANCHOR<br>CTMT, 21'0" | F-B<br>F2.10 | VT-3 | NDE 4.3-49 | C | X - - - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 050 | 4-120-A1 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 21'0" | D-A<br>D1.20 | VT-3 | NDE 4.3-50 | C | X - - - | 4/16/93 - VT COMPLETE<br>**N/A** |

COMPONENT COOLING WATER INSIDE CONTAINMENT

LINE NUMBER: 121

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSE | INGEC | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 30, 5614-P-535-S SH. 1 OF 3 (REF. DWG. NO. 4-C02) | | | | | | | | |
| 294100 | 4-121-A1<br>ANCHOR<br>CTMT, 21'0" | F-B<br>F2.10 | VT-3 | NDE 4.3-51 | C | X | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 294150 | 4-121-A1 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 21'0" | D-A<br>D1.20 | VT-3 | NDE 4.3-52 | C | X | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 294450 | 4-ACH-124<br>SPRING SUPPORT<br>CTMT, 17'0" | F-C<br>F3.50 | VT-3<br>VT-4 | NDE 4.3-41 | C | X | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 294460 | 4-ACH-124 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 17'0" | D-A<br>D1.40 | VT-3 | NDE 4.3-42 | C | X | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 294500 | 4-ACH-125<br>BOX RESTRAINT<br>CTMT, 17'0" | F-B<br>F2.10 | VT-3 | NDE 4.3-43 | C | X | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 294550 | 4-ACH-125 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 17'0" | D-A<br>D1.20 | VT-3 | NDE 4.3-44 | C | X | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |

COMPONENT COOLING WATER SYSTEM TO CCW PUMPS A & B

LINE NUMBER: 123

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORC | INSE | GIOM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 30, 5614-P-518-S SH. 8 & 9 OF 10 (REF. DWG. NO. 4-C04) | | | | | | | | | |
| 295900 | SR-686 ANCHOR 30'2" | F-B F2.10 | VT-3 | NDE 4.3-2 | C | X | - | - | - | 4/14/93 - VT COMPLETE **N/A** |
| 295950 | SR-686 IA INTEGRAL ATTACHMENT 30'2" | D-B D2.20 | VT-3 | NDE 4.3-3 | C | X | - | - | - | 4/14/93 - VT COMPLETE **N/A** |

COMPONENT COOLING WATER FROM NON-REGENERATIVE HX

LINE NUMBER: 125

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONCONFORM | INSERVICE | GEOMETRY | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 30, 5614-P-528-S SH. 2 OF 2 (REF. DWG. NO. 4-C06) | | | | | | | | | |
| 296700 | 4-ACH-216<br>SLIDING STANCHION<br>19'6" | F-C<br>F3.10 | VT-3 | NDE 4.3-9 | C | X | - | - | - | 4/14/93 - VT COMPLETE<br>**N/A** |
| 296750 | 4-ACH-216 IA<br>INTEGRAL ATTACHMENT<br>19'6" | D-A<br>D1.20 | VT-3 | NDE 4.3-10 | C | X | - | - | - | 4/14/93 - VT COMPLETE<br>**N/A** |
| 296800 | 4-ACH-217<br>SLIDING STANCHION<br>19'6" | F-C<br>F3.10 | VT-3 | NDE 4.3-11 | C | X | - | - | - | 4/14/93 - VT COMPLETE<br>**N/A** |
| [illegible]850 | 4-ACH-217 IA<br>INTEGRAL ATTACHMENT<br>19'6" | D-A<br>D1.20 | VT-3 | NDE 4.3-14 | C | X | - | - | - | 4/14/93 - VT COMPLETE<br>**N/A** |

PONENT COOLING WATER FROM RHR HEAT EXCHANGER A

RE NUMBER: 126

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE | INSC | NGIG | SEOM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 30, 5614-P-518-S SH. 4 OF 10 (REF. DWG. NO. 4-C07) | | | | | | | | | | |
| 297700 | 4-ACH-11 | F-C | VT-3 | NDE 4.3-19 | C | - | - | - | - | X | 4/14/93 - VT COMPLETE, PAINT ON |
| | RIGID STRUT | F3.10 | VT-3 | NDE 4.3-93 | | X | - | - | - | - | SPHERICAL BEARINGS, 5/20/93 - VT |
| | 15'0" | | CNR | 93-4-010 | | | | | | | RE-EXAMINATION COMPLETE |
| | | | CR | 93-232 | | | | | | | |
| | | | PWO | 93007052 | | | | | | | **N/A** |
| 297750 | 4-ACH-11 IA | D-B | VT-3 | NDE 4.3-20 | C | - | - | - | - | X | 4/14/93 - VT COMPLETE, WELDS ON |
| | INTEGRAL ATTACHMENT | D2.20 | CNR | 93-4-011 | | | | | | | INTREGRAL ATTACHMENT DIFFERENT FROM |
| | 15'0" | | CR | 93-231 | | | | | | | DRAWING, ACCEPTED AS-IS BY ENGINEERING EVALUATION, DRAWING WILL BE UPDATED TO SHOW WELD CONFIGURATION **N/A** |

PONENT COOLING WATER SYSTEM OUTSIDE CONTAINMENT

NE NUMBER: 127

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONCE | INSIG | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 30, 5614-P-518-S SH. 6 OF 10 (REF. DWG. NO. 4-C08) | | | | | | | | |
| 298300 | 4-ACH-64<br>SLIDING STANCHION<br>13'6" | F-C<br>F3.10 | VT-3 | NDE 4.3-25 | C | X | - | - | 4/15/93 - VT COMPLETE<br>**N/A** |
| 298350 | 4-ACH-64 IA<br>INTEGRAL ATTACHMENT<br>13'6" | D-B<br>D2.20 | VT-3 | NDE 4.3-26 | C | X | - | - | 4/15/93 - VT COMPLETE<br>**N/A** |
| 298400 | 4-ACH-56<br>SLIDING STANCHION<br>13'6" | F-C<br>F3.10 | VT-3 | NDE 4.3-23 | C | X | - | - | 4/15/93 - VT COMPLETE<br>**N/A** |
| 450 | 4-ACH-56 IA<br>INTEGRAL ATTACHMENT<br>13'6" | D-B<br>D2.20 | VT-3 | NDE 4.3-24 | C | X | - | - | 4/15/93 - VT COMPLETE<br>**N/A** |
| 298500 | 4-ACH-55<br>SLIDING STANCHION<br>13'6" | F-C<br>F3.10 | VT-3 | NDE 4.3-21 | C | X | - | - | 4/15/93 - VT COMPLETE<br>**N/A** |
| 298550 | 4-ACH-55 IA<br>INTEGRAL ATTACHMENT<br>13'6" | D-B<br>D2.20 | VT-3 | NDE 4.3-22 | C | X | - | - | 4/15/93 - VT COMPLETE<br>**N/A** |

COMPONENT COOLING WATER SYSTEM OUTSIDE CONTAINMENT

LINE NUMBER: 129

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSE | INGSIE | GOMTOR | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 30, 5614-P-526-S SH. 5 OF 5 (REF. DWG. NO. 4-C10) | | | | | | | | |
| 299500 | 4-ACH-52<br>SLIDING STANCHION<br>11'2" | F-B<br>F2.10 | VT-3 | NDE 4.3-28 | C | X | - | - | - 4/15/93 - VT COMPLETE<br>**N/A** |
| 299600 | 4-ACH-52 IA<br>INTEGRAL ATTACHMENT<br>11'2" | D-B<br>D2.20 | VT-3 | NDE 4.3-29 | C | X | - | - | - 4/15/93 - VT COMPLETE<br>**N/A** |

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

LINE NUMBER: 131

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE C | INGS E | IOGH | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 30, 5614-P-526-S SH. 3 OF 5 (REF. DWG. NO. 4-C13) | | | | | | | | | |
| 300200 | SR-702<br>ANCHOR<br>30'3" | F-C<br>F3.10 | VT-3 | NDE 4.3-30 | C | X | - | - | - | 4/14/93 - VT COMPLETE<br>**N/A** |
| 300250 | SR-702 IA<br>INTEGRAL ATTACHMENT<br>30'3" | D-B<br>D2.20 | VT-3 | NDE 4.3-31 | C | X | - | - | - | 4/14/93 - VT COMPLETE<br>**N/A** |
| | SYSTEM NO. 30, 5614-P-523-S SH. 2 OF 2 (REF. DWG. NO. 4-C13) | | | | | | | | | |
| 300500 | 4-ACH-225<br>SLIDING STANCHION<br>18'9" | F-C<br>F3.10 | VT-3 | NDE 4.3-32 | C | X | - | - | - | 4/14/93 - VT COMPLETE<br>**N/A** |
| 300550 | 4-ACH-225 IA<br>INTEGRAL ATTACHMENT<br>18'9" | D-B<br>D2.20 | VT-3 | NDE 4.3-33 | C | X | - | - | - | 4/14/93 - VT COMPLETE<br>**N/A** |

COMPONENT COOLING WATER SYSTEM OUTSIDE CONTAINMENT

LINE NUMBER: 132

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSEC | INGSIM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 30, 5614-P-526-S SH. 3 OF 5 (REF. DWG. NO. 4-C14) | | | | | | | | |
| 300600 | 4-ACH-212 SPRING HANGER 32'2" | F-C F3.50 | VT-3,4 CNR PWO | NDE 4.3-88 91-4-011 910207105639 | A | - | - | X | 5/6/93 - VT COMPLETE, IMPROPER SPRING CAN SETTINGS, RE-EXAMINATION AFTER CORRECTION OF DISCREPENCIES NOTED IN CNR 91-4-011 **N/A** |

COMPONENT COOLING WATER FROM CCW HEAT EXCHANGERS

LINE NUMBER: 133

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORC | INSEC | ONGOM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 30, 5614-P-526-S SH. 2 OF 5 (REF. DWG. NO. 4-C15A) | | | | | | | | | |
| 301500 | SR-693<br>SPRING HANGER<br>32'2" | F-C<br>F3.50 | VT-3,4<br>CNR<br>CR | NDE 4.3-12<br>93-4-003<br>93-237 | C | - | - | - | X | 4/14/93 - VT COMPLETE, MISSING LOAD PLATE, ACCEPTED AS-IS BY ENGINEERING EVALUATION<br>**N/A** |
| 301600 | SR-693 IA<br>INTEGRAL ATTACHMENT<br>32'2" | D-B<br>D2.20 | VT-3 | NDE 4.3-13 | C | X | - | - | - | 4/14/93 - VT COMPLETE<br>**N/A** |
| | SYSTEM NO. 30, 5614-P-526-S SH. 1 OF 5 (REF. DWG. NO. 4-C15A) | | | | | | | | | |
| 302700 | SR-697<br>SLIDING STANCHION<br>11'6" | F-B<br>F2.10 | VT-3 | NDE 4.3-36 | C | X | - | - | - | 4/15/93 - VT COMPLETE<br>**N/A** |
| 302750 | SR-697 IA<br>INTEGRAL ATTACHMENT<br>11'6" | D-B<br>D2.20 | VT-3 | NDE 4.3-37 | C | X | - | - | - | 4/15/93 - VT COMPLETE<br>**N/A** |
| 302800 | 4-ACH-214<br>SLIDING STANCHION<br>11'6" | F-B<br>F2.10 | VT-3 | NDE 4.3-38 | C | X | - | - | - | 4/15/93 - VT COMPLETE<br>**N/A** |
| 302850 | 4-ACH-214 IA<br>INTEGRAL ATTACHMENT<br>11'6" | D-B<br>D2.20 | VT-3 | NDE 4.3-39 | C | X | - | - | - | 4/15/93 - VT COMPLETE<br>**N/A** |

COMPONENT COOLING WATER TO RESIDUAL HX A & B

LINE NUMBER: 134

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE | INSC | GEIG | OTHM | OTHR | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 30, 5614-P-526-S SH. 4 OF 5 (REF. DWG. NO. 4-C16) | | | | | | | | | | |
| 303100 | 4-ACH-13 | F-C | VT-3 | NDE 4.3-15 | C | - | - | - | - | X | 4/14/93 - VT COMPLETE, PAINT ON |
| | DUAL ROD HANGER | F3.10 | VT-3 | NDE 4.3-91 | | X | - | - | - | - | SPHERICAL BEARING, PAINT WAS REMOVED; |
| | 15'0" | | CNR | 93-4-006 | | | | | | | 5/20/93 - VT RE-EXAMINATION COMPLETE |
| | | | CR | 93-234 | | | | | | | |
| | | | PWO | 93007050 | | | | | | | **N/A** |
| 303150 | 4-ACH-13 IA | D-B | VT-3 | NDE 4.3-18 | C | - | - | - | - | X | 4/14/93 - VT COMPLETE, INTEGRAL |
| | INTEGRAL ATTACHMENT | D2.10 | CNR | 93-4-009 | | | | | | | ATTACHMENT NOT WELDED AS SHOWN ON |
| | 15'0" | | CR | 93-233 | | | | | | | DRAWING, ACCEPTED AS-IS BY ENGINEERING EVALUATION |
| | | | | | | | | | | | **N/A** |

COMPONENT COOLING WATER SYSTEM OUTSIDE CONTAINMENT

LINE NUMBER: 136

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE | INCS | GIOM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 30, 5614-P-518-S SH. 5 OF 10 (REF. DWG. NO. 4-C18) | | | | | | | | | |
| 304000 | 4-CCH-2<br>ROD HANGER<br>29'9" | F-C<br>F3.10 | VT-3 | NDE 4.3-64 | C | X | - | - | - | 4/20/93 - VT COMPLETE<br>**N/A** |
| 304050 | 4-CCH-2 IA<br>INTEGRAL ATTACHMENT<br>29'9" | D-B<br>D2.20 | VT-3 | NDE 4.3-64 | C | X | - | - | - | 4/20/93 - VT COMPLETE<br>**N/A** |

COMPONENT COOLING WATER SYSTEM OUTSIDE CONTAINMENT

LINE NUMBER: 137

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE | INSEC | GIOM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 30, 5614-P-527-S SH. 1 OF 2 (REF. DWG. NO. 4-C19) | | | | | | | | | |
| 304100 | SR-710 ANCHOR 11'6" | F-C F3.10 | VT-3 | NDE 4.3-34 | C | X | - | - | - | 4/15/93 - VT COMPLETE **N/A** |
| 304150 | SR-710 IA INTEGRAL ATTACHMENT 11'6" | D-B D2.20 | VT-3 | NDE 4.3-35 | C | X | - | - | - | 4/15/93 - VT COMPLETE **N/A** |

COMPONENT COOLING WATER TO RHR HEAT EXCHANGER A

LINE NUMBER: 140

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NONCONFORMING | INSERVICE | GEOMETRIC | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 30, 5614-P-526-S SH. 1 OF 5 (REF. DWG. NO. 4-C22) | | | | | | | | | |
| 306600 | 4-ACH-14 | F-C | VT-3 | NDE 4.3-17 | C | - | - | - | X | 4/14/93 - PAINT ON SPHERICAL BEARINGS, |
| | DUAL ROD HANGER | F3.10 | VT-3 | NDE 4.3-94 | | X | - | - | - | PAINT REMOVED, 5/20/93 - VT |
| | 15'0" | | CNR | 93-4-008 | | | | | | RE-EXAMINATION COMPLETE |
| | | | CR | 93-235 | | | | | | |
| | | | PWO | 93007051 | | | | | | **N/A** |
| 306650 | 4-ACH-14 IA | D-B | VT-3 | NDE 4.3-16 | C | - | - | - | X | 4/14/93 - VT COMPLETE, DRAWING |
| | INTEGRAL ATTACHMENT | D2.10 | CNR | 93-4-007 | | | | | | DISCREPENCY, INTEGRAL ATTACHMENT NOT |
| | 15'0" | | CR | 93-236 | | | | | | WELDED AS SHOWN ON DRAWING, ACCEPTED |
| | | | | | | | | | | AS-IS BY ENGINEERING EVALUATION |
| | | | | | | | | | | **N/A** |

COMPONENT COOLING WATER SYSTEM INSIDE CONTAINMENT

LINE NUMBER: 141

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORE | INSE | OGIO | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 30, 5614-P-539-S SH. 3 OF 3 (REF. DWG. NO. 4-C23) | | | | | | | | | |
| 306900 | 4-141-A1<br>ANCHOR<br>CTMT, 23'6" | F-B<br>F2.10 | VT-3 | NDE 4.3-53 | C | X | - | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 306950 | 4-141-A1 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 23'6" | D-B<br>B2.20 | VT-3 | NDE 4.3-54 | C | X | - | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 307000 | 4-CCH-34<br>BOX RESTRAINT<br>CTMT, 34'8" | F-B<br>F2.10 | VT-3 | NDE 4.3-45 | C | X | - | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 307040 | 4-CCH-34 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 34'8" | D-B<br>D2.20 | VT-3 | NDE 4.3-46 | C | X | - | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |

COMPONENT COOLING WATER SYSTEM FROM CCW PUMP C

LINE NUMBER: 151

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORE | INSC | GIEM | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 30, 5614-P-501-S SH. 3 OF 3 (REF. DWG. NO. 4-C33) | | | | | | | | | |
| 314200 | 4-ACH-182<br>DUAL SPRING HANGER<br>32'2" | F-C<br>F3.50 | VT-3,4<br>CNR<br>PWO | NDE 4.3-87<br>91-4-022<br>910207111504 | A | - | - | - | X | 5/6/93 - VT COMPLETE, SPRING CAN SCALE ILLEGIBLE, RE-EXAMINATION AFTER CORRECTION OF ITEMS FOUND IN CNR 91-4-022<br>**N/A** |

COMPONENT COOLING WATER SYSTEM OUTSIDE CONTAINMENT

LINE NUMBER: 154

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSE | INGCI | GEMO | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 30, 5614-P-518-S SH. 5 OF 10 (REF. DWG. NO. 4-C36) | | | | | | | | | |
| 317300 | 4-CCH-3 | F-C | VT-3 | NDE 4.3-4 | C | - | - | - | X | 4/14/93 - VT COMPLETE, PAINT ON |
| | RIGID STRUT | F3.10 | VT-3 | NDE 4.3-92 | | X | - | - | - | SPHERICAL BEARING, PAINT REMOVED, |
| | 19'3" | | CNR | 93-4-095 | | | | | | 5/20/93 - VT RE-EXAMINATION COMPLETE |
| | | | CR | 93-462 | | | | | | |
| | | | | | | | | | | **N/A** |
| 317350 | 4-CCH-3 IA | D-B | VT-3 | NDE 4.3-5 | C | X | - | - | - | 4/14/93 - VT COMPLETE |
| | INTEGRAL ATTACHMENT | D2.20 | | | | | | | | |
| | 19'3" | | | | | | | | | |
| | | | | | | | | | | **N/A** |
| | SYSTEM NO. 30, 5614-P-518-S SH. 10 OF 10 (REF. DWG. NO. 4-C36) | | | | | | | | | |
| 317600 | 4-ACH-43 | F-C | VT-3 | NDE 4.3-40 | C | - | - | - | X | 4/14/93 - VT COMPLETE, PAINTED SPHERICAL |
| | DUAL RIGID STRUT | F3.10 | VT-3 | NDE 4.3-90 | | - | - | - | X | BEARING, BEARING RACE IS PARTIALLY |
| | 13'6" | | CNR | 93-4-012 | | | | | | DISLODGED FROM STRUT, ACCEPTED AS-IS BY |
| | | | CR | 93-229 | | | | | | ENGINEERING EVALUATION, WILL BE |
| | | | PWO | 93007054 | | | | | | CORRECTED AT A FUTURE DATE UNDER A PLANT |
| | | | | | | | | | | WORK ORDER, PAINT WAS REMOVED |
| | | | | | | | | | | **N/A** |
| 317650 | 4-ACH-43 IA | D-B | VT-3 | NDE 4.3-7 | C | X | - | - | - | 4/14/93 - VT COMPLETE |
| | INTEGRAL ATTACHMENTS | D2.20 | | | | | | | | |
| | 13'6" | | | | | | | | | |
| | | | | | | | | | | **N/A** |

AUXILIARY FEEDWATER SYSTEM PUMP DISCHARGE

LINE NUMBER: 160

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORSE | INGIEC | GIOMH | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 74, 5614-P-807-S SH. 4 OF 7 (REF. DWG. NO. 4-C42) | | | | | | | | | |
| 322600 | 80117-A-324-01<br>ANCHOR<br>36'0" | F-C<br>F3.10 | VT-3 | NDE 4.3-55 | C | X | - | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 322650 | 80117-A-324-01 IA<br>INTEGRAL ATTACHMENT<br>36'0" | D-B<br>D2.20 | VT-3 | NDE 4.3-55 | C | X | - | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 322800 | 80117-H-324-07<br>PIPE SUPPORT<br>36'0" | F-C<br>F3.10 | VT-3 | NDE 4.3-56 | C | X | - | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 322850 | 80117-H-324-07 IA<br>INTEGRAL ATTACHMENT<br>36'0" | D-B<br>D2.20 | VT-3 | NDE 4.3-56 | C | X | - | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |

AUXILIARY FEEDWATER SYSTEM PUMP DISCHARGE

LINE NUMBER: 161

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE | INSC | GIMO | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 74, 5614-P-807-S SH. 4 OF 7 (REF. DWG. NO. 4-C43) | | | | | | | | | |
| 323250 | 80117-H-324-11<br>BOX RESTRAINT<br>32'2" | F-C<br>F3.10 | VT-3 | NDE 4.3-57 | C | X | - | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 323275 | 80117-H-324-11 IA<br>INTEGRAL ATTACHMENT<br>32'2" | D-B<br>D2.20 | VT-3 | NDE 4.3-57 | C | X | - | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 323450 | 80117-H-324-13<br>BOX RESTRAINT<br>30'3" | F-C<br>F3.10 | VT-3 | NDE 4.3-58 | C | X | - | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 323475 | 80117-H-324-13 IA<br>INTEGRAL ATTACHMENT<br>30'3" | D-B<br>D2.20 | VT-3 | NDE 4.3-58 | C | X | - | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |

AUXILIARY FEEDWATER PUMP SUCTION FROM COND.STG.TK.

LINE NUMBER: 163

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STATUS | NORE | INCG | OSEH | OTHER | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 74, 5610-P-818-S SH. 3 OF 3 (REF. DWG. NO. 4-C45A) | | | | | | | | | |
| 325700 | 80117-H-341-23<br>SLIDING STANCHION<br>20'7" | F-B<br>F2.10 | VT-3 | NDE 4.3-62 | C | X | - | - | - | 4/20/93 - VT COMPLETE<br>**N/A** |
| 325750 | 80117-H-341-23 IA<br>INTEGRAL ATTACHMENT<br>20'7" | D-A<br>D1.20 | VT-3 | NDE 4.3-62 | C | X | - | - | - | 4/20/93 - VT COMPLETE<br>**N/A** |
| 326050 | 80117-R-341-03 IA<br>INTEGRAL ATTACHMENT<br>29'10" | D-A<br>D1.20 | VT-3 | NDE 4.3-63 | C | X | - | - | - | 4/20/93 - VT COMPLETE<br>**N/A** |
| 326400 | 80117-H-341-18<br>ROD HANGER<br>30'10" | F-C<br>F3.10 | VT-3<br>CNR<br>CR<br>PWO | NDE 4.3-61<br>93-4-023<br>93-254<br>93012727 | C | - | - | - | X | 4/17/93 - VT COMPLETE, SUPPORT HAS DAMAGED INSULATION ON ADJACENT LINE, INSULATION WILL BE MODIFIED TO GIVE PROPER CLEARANCE<br>**N/A** |
| 326450 | 80117-H-341-18 IA<br>INTEGRAL ATTACHMENT<br>30'10" | D-A<br>D1.20 | VT-3 | NDE 4.3-61 | C | X | - | - | - | 4/17/93 - VT COMPLETE<br>**N/A** |
| | SYSTEM NO. 74, 5610-P-818-S SH. 2 OF 3 (REF. DWG. NO. 4-C45B) | | | | | | | | | |
| 328100 | 80117-H-341-02<br>SLIDING STANCHION<br>20'9" | F-B<br>F2.10 | VT-3 | NDE 4.3-60 | C | X | - | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |

AUXILIARY FEEDWATER PUMP SUCTION FROM COND.STG.TK.

LINE NUMBER: 163

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY ITEM NO | EXAM METHOD | PROCEDURE | STAT | NORE C | INSE G | OTHER M | OTHER R | REMARKS **CALIBRATION BLOCK** |
|---|---|---|---|---|---|---|---|---|---|---|
| | SYSTEM NO. 74, 5610-P-818-S SH. 2 OF 3 (REF. DWG. NO. 4-C45B) | | | | | | | | | |
| 328150 | 80117-H-341-02 IA<br>INTEGRAL ATTACHMENT<br>20'9" | D-A<br>D1.20 | VT-3 | NDE 4.3-60 | C | X | - | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 328200 | 80117-H-341-01<br>SLIDING STANCHION<br>20'9" | F-B<br>F2.10 | VT-3 | NDE 4.3-59 | C | X | - | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |
| 328210 | 80117-H-341-01 IA<br>INTEGRAL ATTACHMENT<br>20'9" | D-A<br>D1.20 | VT-3 | NDE 4.3-59 | C | X | - | - | - | 4/16/93 - VT COMPLETE<br>**N/A** |

TURKEY POINT UNIT 4
1993 REFUELING OUTAGE

Summary of Visual Examinations and Functional Testing of Snubbers

## TABLE OF CONTENTS

**ABSTRACT**

Visual examination and functional testing of Mechanical Shock Arrestors were performed on Unit 4 to satisfy the requirements of ASME Section XI, 1980 Edition, Winter 1981 Addenda and Plant Technical Specifications during the 1993 Refueling Outage. Visual Examination and Functional Testing activities were performed by Siemens Nuclear Power Services, Inc. during the period of April 21, 1993 through May 18, 1993.

## PROCEDURES

The following Florida Power & Light procedures were used to implement the Mechanical Shock Arrestor Surveillance Program.

| | |
|---|---|
| AP 0190.83 | Mechanical Shock Arrestor Surveillance Program |
| AP 0190.85 | Functional Testing of Mechanical Shock Arrestors |
| OP 0209.9 | Visual Examination of Mechanical Shock Arrestors |
| 0-CMM-105.1 | Removal and Reinstallation of Mechanical Shock Arrestors |

The following procedures were utilized by Siemens Nuclear Power Services, Inc. to perform the Visual Examination and Functional Testing.

| | |
|---|---|
| SNPS | Quality Assurance Manual Rev. 14 |
| SNPS-PP-3319-TPN | Project Plan |
| SNPS-CAL-2.2, Rev. 0 | Daily Verification of Test Equipment |
| SNPS-CAL-1.2, Rev. 1 | Daily Verification of Test Equipment |
| SNPS-EXM-1.1, Rev. 0 | Visual Examination of MSA's |
| SNPS-TST-1.1, Rev. 0 | Functional Testing of PSA MSA's |
| SNPS-MNT-3.1, Rev. 0 | Disassembly and Repair of PSA MSA's |

## Examination/Testing

Visual examination (VT-3, VT-4 hand stroke) were performed on a total of ninety one (91) snubbers and functional testing was performed on thirty (30) snubbers.

| TAG# | SERIAL # | MODEL | SYSTEM | VT | FT | TEST SAMPLE | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|---|
| 4-1000 | 184 | PSA-10 | SIS | SAT | | | NONE |
| 4-1001 | 18010 | PSA-1 | SIS | SAT | | | NONE |
| 4-1002 | 18016 | PSA-1 | SIS | SAT | | | NONE |
| 4-1003 | 18008 | PSA-1 | SIS | SAT | | | NONE |
| 4-1004 | 3168 | PSA-35 | MS | SAT | | | SEE DEV. SUMMARY 2-93-PTN-4-1004 |
| 4-1005 | 1206 | PSA-35 | MS | SAT | | | SEE DEV. SUMMARY 4-93-PTN-4-1005 |
| 4-1006 | 8087 | PSA-35 | MS | SAT | SAT | EXP. SAMPLE #3 | SEE DEV. SUMMARY 3-93-PTN-4-1006 |
| 4-1007 | 11928 | PSA-35 | MS | SAT | | | SEE DEV. SUMMARY 1-93-PTN-4-1007 |
| 4-1008 | 1205 | PSA-35 | MS | SAT | SAT | EXP. SAMPLE #3 | |
| 4-1009 | 1228 | PSA-35 | MS | SAT | | | SEE DEV. SUMMARY 5-93-PTN-4-1009 |
| 4-1010 | 1204 | PSA-35 | MS | SAT | | | SEE DEV. SUMMARY 7-93-PTN-4-1010 |
| 4-1011 | 1281 | PSA-35 | MS | SAT | SAT | EXP. SAMPLE #3 | SEE DEV. SUMMARY 6-93-PTN-4-1011 |
| 4-1012 | 16154 | PSA-10 | RHR | SAT | | | NONE |
| 4-1013 | 17418 | PSA-3 | RHR | SAT | | | NONE |
| 4-1014 | 17177 | PSA-10 | RHR | SAT | | | NONE |

| TAG# | SERIAL # | MODEL | SYSTEM | VT | FT | TEST SAMPLE | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|---|
| 4-1015 | 117 | PSA-10 | RHR | SAT | | | NONE |
| 4-1016 | 122 | PSA-10 | RHR | SAT | | | SEE DEV. SUMMARY 8-93-PTN-4-1016 |
| 4-1017 | 118 | PSA-10 | RHR | SAT | | | NONE |
| 4-1018 | 17420 | PSA-3 | RHR | SAT | | | NONE |
| 4-1019 | 17426 | PSA-3 | RHR | SAT | | | NONE |
| 4-1020 | 27101 | PSA-3 | FW | SAT | SAT | EXP. SAMPLE #1 | NONE |
| 4-1021 | 128 | PSA-3 | FW | SAT | | | NONE |
| 4-1022 | 21381 | PSA-3 | FW | SAT | SAT | EXP. SAMPLE #2 | NONE |
| 4-1032 | 3707 | PSA-35 | FW | SAT | | | NONE |
| 4-1033 | 7001 | PSA-35 | FW | SAT | | | NONE |
| 4-1034 | 16243 | PSA-10 | FW | SAT | | | NONE |
| 4-1035 | 182 | PSA-10 | FW | SAT | #2 UNSAT | YES | SEE DEV. SUMMARY 11-93-PTN-4-1035 |
| 4-1036 | 11461 | PSA-10 | FW | SAT | SAT | EXP. SAMPLE #1 | NONE |
| 4-1037 | 11930 | PSA-35 | FW | SAT | SAT | YES | NONE |
| 4-1038 | 29497 | PSA-1/4 | CVCS | SAT | | | NONE |

| TAG# | SERIAL # | MODEL | SYSTEM | VT | FT | TEST SAMPLE | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|---|
| 4-1039 | 4589 | PSA-35 | MS | SAT | #3 UNSAT | YES | SEE DEV. SUMMARY 12-93-PTN-4-1039 |
| 4-1040 | 17419 | PSA-3 | CVCS | SAT | | | NONE |
| 4-1041 | 19721 | PSA-3 | CVCS | SAT | | | NONE |
| 4-1042 | 19727 | PSA-3 | CVCS | SAT | | | NONE |
| 4-1043 | 27099 | PSA-3 | CVCS | SAT | | | NONE |
| 4-1044 | 3919 | PSA-10 | RCS | SAT | | | NONE |
| 4-1045 | 3905 | PSA-10 | RCS | SAT | | | NONE |
| 4-1046 | 187 | PSA-10 | RCS | SAT | | | NONE |
| 4-1047 | 185 | PSA-10 | RCS | SAT | SAT | EXP. SAMPLE #1 | NONE |
| 4-1048 | 4251 | PSA-10 | RCS | SAT | | | NONE |
| 4-1049 | 10169 | PSA-10 | RCS | SAT | | | NONE |
| 4-1050 | 12374 | PSA-10 | RCS | SAT | | | NONE |
| 4-1051 | 11125 | PSA-10 | RCS | SAT | | | NONE |
| 4-1052 | 16251 | PSA-10 | RCS | SAT | SAT | EXP. SAMPLE #1 | NONE |
| 4-1053 | 11446 | PSA-10 | RCS | SAT | | | NONE |

| TAG# | SERIAL # | MODEL | SYSTEM | VT | FT | TEST SAMPLE | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|---|
| 4-1054 | 16253 | PSA-10 | RCS | SAT | #1 UNSAT | YES | SEE DEV. SUMMARY 10-93-PTN-4-1054 |
| 4-1055 | 11110 | PSA-10 | RCS | SAT | SAT | DEVIATION DISPOSITION | SEE DEV. SUMMARY 9-93-PTN-4-1055 |
| 4-1056 | 17841 | PSA-10 | RCS | SAT | SAT | INFO TEST | NONE |
| 4-1057 | 27080 | PSA-3 | RCS | SAT | | | NONE |
| 4-1058 | 21379 | PSA-3 | RCS | SAT | | | NONE |
| 4-1059 | 27103 | PSA-3 | RCS | SAT | | | NONE |
| 4-1061 | 19722 | PSA-3 | RCS | SAT | | | NONE |
| 4-1062 | 27076 | PSA-3 | RCS | SAT | SAT | EXP. SAMPLE #1 | NONE |
| 4-1063 | 27098 | PSA-3 | RCS | SAT | | | NONE |
| 4-1064 | 27077 | PSA-3 | RCS | SAT | SAT | YES | NONE |
| 4-1065 | 20873 | PSA-3 | RCS | SAT | | | NONE |
| 4-1066 | 27094 | PSA-3 | RCS | SAT | | | NONE |
| 4-1067 | 27097 | PSA-3 | RCS | SAT | SAT | YES | NONE |
| 4-1068 | 27085 | PSA-3 | RCS | SAT | | | NONE |
| 4-1069 | 10033 | PSA-35 | FW | SAT | | | NONE |

| TAG# | SERIAL # | MODEL | SYSTEM | VT | FT | TEST SAMPLE | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|---|
| 4-1070 | 10036 | PSA-35 | FW | SAT | | | NONE |
| 4-1071 | 11315 | PSA-10 | FW | SAT | | | NONE |
| 4-1072 | 16235 | PSA-10 | FW | SAT | SAT | EXP. SAMPLE #2 | NONE |
| 4-1073 | 3941 | PSA-10 | FW | SAT | SAT | EXP. SAMPLE #2 | NONE |
| 4-1074 | 19298 | PSA-3 | FW | SAT | | | NONE |
| 4-1075 | 19297 | PSA-3 | FW | SAT | | | NONE |
| 4-1076 | 24414A | PSA-1 | SG | SAT | SAT | EXP. SAMPLE #1 | NONE |
| 4-1077 | 18014 | PSA-1 | SG | SAT | SAT | EXP. SAMPLE #2 | SEE DEV. SUMMARY 13-93-PTN-4-1077 |
| 4-1078 | 24430A | PSA-1 | SG | SAT | | | NONE |
| 4-1079 | 23227 | PSA-1 | SG | SAT | SAT | EXP. SAMPLE #1 | NONE |
| 4-1080 | 24431 | PSA-1 | SG | SAT | SAT | YES | NONE |
| 4-1081 | 19295 | PSA-3 | SG | SAT | | | NONE |
| 4-1082 | 19296 | PSA-3 | SG | SAT | SAT | EXP. SAMPLE #2 | NONE |
| 4-1083 | 24408A | PSA-1 | SG | SAT | SAT | YES | NONE |
| 4-1084 | 23229 | PSA-1 | SG | SAT | SAT | EXP. SAMPLE #2 | NONE |

| TAG# | SERIAL # | MODEL | SYSTEM | VT | FT | TEST SAMPLE | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|---|
| 4-1085 | 23229 | PSA-1/4 | CVCS | SAT | | | NONE |
| 4-1086 | 12993 | PSA-35 | MS | SAT | | | NONE |
| 4-1087 | 12994 | PSA-35 | MS | SAT | | | NONE |
| 4-1088 | 12995 | PSA-35 | MS | SAT | | | NONE |
| 4-1089 | 12996 | PSA-35 | MS | SAT | | | NONE |
| 4-1090 | 12997 | PSA-35 | MS | SAT | | | NONE |
| 4-1091 | 12998 | PSA-35 | MS | SAT | | | SEE DEV. SUMMARY 15-93-PTN-4-1091 |
| 4-1092 | 12999 | PSA-35 | MS | SAT | | | NONE |
| 4-1093 | 17868 | PSA-10 | MS | SAT | | | NONE |
| 4-1094 | 17869 | PSA-10 | MS | SAT | | | NONE |
| 4-1095 | 17870 | PSA-10 | MS | SAT | SAT | DEVIATION DISPOSITION | SEE DEV. SUMMARY 19-93-PTN-4-1095 |
| 4-1096 | 17871 | PSA-10 | MS | SAT | | | NONE |
| 4-1097 | 17872 | PSA-10 | MS | SAT | UNSAT | EXP. SAMPLE #2 | SEE DEV. SUMMARY 14-93-PTN-4-1097 |
| 4-1098 | 17873 | PSA-10 | MS | SAT | | | NONE |
| 4-1099 | 17423 | PSA-3 | MS | SAT | SAT | YES | NONE |

| TAG# | SERIAL # | MODEL | SYSTEM | VT | FT | TEST SAMPLE | CORRECTIVE ACTION |
|---|---|---|---|---|---|---|---|
| 4-1100 | 29498 | PSA-1/4 | WDS | SAT | SAT | YES | NONE |

## DEVIATION REPORT SUMMARY

Tag #: 4-1004 DEVIATION #: **2-93-PTN-4-1004** Int.: 04/22/93

Closed: 04/27/93

**CONDITION:** 1) Spherical bearing partially dislodged.

2) Load pin holes in rear bracket and pipe attachment are elongated.

**DISPOSITION:** Condition Report generated CR NO. 93-320. Bearing restaked and brackets replaced.

Tag #: 4-1005 DEVIATION #: **4-93-PTN-4-1005** Int.: 04/22/93

Closed: 04/26/93

**CONDITION:** 1) Load pin deformed.

2) Load pin holes in rear bracket and pipe attachment are elongated.

**DISPOSITION:** Condition Report generated CR NO. 93-320. Load pin replaced and brackets replaced.

Tag #: 4-1006 DEVIATION #: **3-93-PTN-4-1006** Int.: 04/22/93

Closed: 04/26/93

**CONDITION:** Spherical bearing dislodged on snubber end.

**DISPOSITION:** Bearing restaked and verified freedom of movement IAW SNPS-MNT-3.1.

Tag #: 4-1007 DEVIATION #: **1-93-PTN-4-1007** Int.: 04/22/93

Closed: 04/26/93

**CONDITION:** Load pin deformed.

**DISPOSITION:** Replaced load pin IAW SNPS-MNT-3.1.

**Tag #: 4-1009** DEVIATION #: **5-93-PTN-4-1009** Int.: 04/22/93

Closed: 04/26/93

**CONDITION:** Load pin hole on rear bracket is elongated.

**DISPOSITION:** Condition Report generated CR NO. 93-320. Rear bracket replaced.

**Tag #: 4-1010** DEVIATION #: **7-93-PTN-4-1010** Int.: 04/22/93

Closed: 04/26/93

**CONDITION:** 1) Spherical bearing dislodged on snubber end.

2) Load pin hole in rear bracket is elongated.

3) Rear bracket load pin is deformed.

**DISPOSITION:** Condition Report generated CR NO. 93-320. Bearing restaked and rear bracket and pin replaced.

**Tag #: 4-1011** DEVIATION #: **6-93-PTN-4-1011** Int.: 04/22/93

Closed: 04/26/93

**CONDITION:** Load pin holes in the rear bracket and pipe attachment are elongated.

**DISPOSITION:** Condition Report generated CR NO. 93-320. Brackets replaced.

**Tag #: 4-1016** DEVIATION #: **8-93-PTN-4-1016** Int.: 04/26/93

Closed: 04/26/93

**CONDITION:** Lack of thread engagement between snubber and transition tube assembly.

**DISPOSITION:** Condition Report generated CR NO. 93-341. Bolts replaced providing adequate thread engagement.

**Tag #: 4-1035** DEVIATION #: **11-93-PTN-4-1035** Int.: 05/01/93

Closed: 05/10/93

**CONDITION:** MSA exceeded the 0.02G specified criteria for acceleration.

**DISPOSITION:** Replaced MSA with tested spare S/N 11439.

**Tag #: 4-1039** DEVIATION #: **12-93-PTN-4-1039** Int.: 05/02/93

Closed: 05/07/93

**CONDITION:** 1) MSA has damaged spherical bearing.

2) MSA exceeded the 0.02G specified criteria for acceleration

**DISPOSITION:** Replaced MSA with tested spare S/N 6998.

**Tag #: 4-1054** DEVIATION #: **10-93-PTN-4-1054** Int.: 05/01/93

Closed: 05/07/93

**CONDITION:** MSA exceeded the specified 0.02G acceleration criteria.

**DISPOSITION:** Replaced MSA with tested spare S/N 15718.

**Tag #: 4-1055** DEVIATION #: **9-93-PTN-4-1055** Int.: 04/27/93

Closed: 05/07/93

**CONDITION:** Snubber could not be hand stroked through it's full range.

**DISPOSITION:** Replaced MSA with tested spare S/N 7782. Functional tested removed MSA, test sat.

**Tag #: 4-1077** DEVIATION #: **13-93-PTN-4-1077** Int.: 05/03/93

Closed: 10/7/92

**CONDITION:** "L" dimension is less than the specified minimum.

**DISPOSITION:** Condition Report generated CR NO. 93-385. Attachment moved to reestablish proper "L" dimension.

Tag #: 4-1091 DEVIATION #: **15-93-PTN-4-1091** Int.: 05/04/93
Closed: 05/07/93
**CONDITION:** Load pin hole on pipe attachment is elongated.
**DISPOSITION:** Condition Report generated CR NO. 93-320. Bracket replaced.

Tag #: 4-1095 DEVIATION #: **19-93-PTN-4-1095** Int.: 05/04/93
Closed: 05/10/93
**CONDITION:** Inspector unable to hand stroke this MSA.
**DISPOSITION:** MSA was functional tested sat.

Tag #: 4-1097 DEVIATION #: **14-93-PTN-4-1097** Int.: 05/03/93
Closed: 05/07/93
**CONDITION:** MSA exceeded the 750 # Final Drag criteria.
**DISPOSITION:** Replaced MSA with tested spare S/N 17852.

## CONCLUSION

During the 1993 Refueling Outage, snubber surveillances were performed on the snubber population of Turkey Point Unit 4 in accordance with AP 0190.83 (Mechanical Shock Arrestor Surveillance Program). These surveillances included visual examinations and hand stroking of all Unit 4 snubbers in accordance with OP 0209.9 (Visual Examination of Mechanical Shock Arrestors). The functional test representative sample, and additional selections were tested and selected in accordance with AP 0190.85 (Functional Testing of Mechanical Shock Arrestors).

All functional tests and visual examinations were performed in compliance with ASME Section XI and the surveillance requirements of Plant Technical Specifications (3/4.7.6). Visual examinations did

not reveal any items that would render the snubbers non-functional, therefore there were no failures. Of the snubbers that were functional tested, there were three (3) failures of the test sample. Sample expansion of 10% of that type snubber was performed resulting in seventeen (17) additional snubbers being tested. One functional test failure did occur on a snubber tested during the sample expansion. However the failure occured during a non-Tech. Spec. test in which the final drag is measured. Since final drag is not required by Tech. Spec. 4.7.6.e an expanded sample in accordance with Tech. Spec. 4.7.6.d.1 was not performed.

Therefore, FPL has met all ASME Section XI and Plant Technical Specification requirements for visual examination and functional testing of snubbers at Turkey Point Unit 4.

## ACRONYM LIST

The following is a list of all acronyms used in this Snubber Summary:

| | |
|---|---|
| ASME | American Society of Mechanical Engineers |
| AP | Administrative Procedure |
| OP | Operating Procedure |
| CMM | Corrective Maintenance Mechanical |
| SNPS | Siemens Nuclear Power Services |
| PP | Project Plan |
| CAL | Calibration |
| EXM | Examination |
| TST | Testing |
| MNT | Maintenance |
| Rev. | Revision |
| Inc. | Incorporated |
| PSA | Pacific Scientific Arrestors |
| MSA | Mechanical Shock Arrestor's |
| AFW | Auxiliary Feedwater |
| FW | Feedwater |
| MS | Main Steam |
| CCW | Component Cooling Water |
| VT | Visual Test |
| FT | Functional Test |
| SAT | Satisfactory |
| DEV | Deviation |
| PTN | Turkey Point Nuclear |
| RHR | Residual Heat Removal |
| SIS | Safety Injection System |
| SG | Steam Generator |
| RCS | Reactor Coolant System |
| INFO | Information |
| CVCS | Chemical and Volume Control System |
| WD | Waste Disposal |
| Int. | Initiated |
| TTA | Transition Tube Assembly |
| CR | Condition Report |
| PWO | Plant Work Order |
| S/N | Serial Number |
| "L" | Length |
| PCM | Plant Change Modification |
| FPL | Florida Power & Light |
| IAW | In Accordance With |

# TURKEY POINT UNIT 4
# 1993 REFUELING OUTAGE

## Final Report of Hydrostatic Testing Program

**Abstract**

This report details the hydrostatic testing of selected class 2, and 3 piping and components of the Florida Power and Light Company Turkey Point Unit 4 which were performed during and subsequent to the 1993 refueling outage, between the dates of April 13, 1993 and June 18, 1993.

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 Plant Components", 1980 Edition with addenda through Winter 1981, and ASME Code Case N-498, "Alternative Rules for 10 Year Hydrostatic Pressure Testing for Class 1 and 2 Systems" Section XI, Division 1 (Approval date May 13, 1991).

**Procedures**

The following FPL procedures and documents have been implemented to provide instructional guidance for the performance of the required ASME XI hydrostatic testing, and subsequent inspections.

AP 0190.90- ASME Section XI pressure tests for quality groups A, B, and C Systems/Components.

OP 1506.7 - Steam Generator Hydrostatic Pressure Test.

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

0-ADM-217 - Conduct of Infrequently Performed Tests or Evolutions.

WCAP-13155 - Technical Basis for Determination of Secondary Side Pressure Test Temperatures, Turkey Point Units 3 and 4 Steam Generators.

**System Summary: Unit 4**

The following safety related systems, or sections thereof were hydrostatically tested in accordance with ASME Section XI.

| Name of system | System number |
|---|---|
| Steam Generators | 71 |
| Steam Generator Blowdown | 71 |
| Main Steam | 72 |
| Feedwater | 74 |
| Intake Cooling Water | 19 |
| Spent Fuel Pool Cooling | 33 |

## Acronyms

| | |
|---|---|
| AP : | Administrative Procedure |
| ADM : | Administrative |
| ASME: | American Society of Mechanical Engineers |
| CCW : | Component Cooling Water |
| HX : | Heat Exchanger |
| ICW : | Intake Cooling Water |
| NDE : | Non Destructive Examination |
| SFPC: | Spent Fuel Pool Cooling |
| TPCW: | Turbine Plant Cooling Water |
| OP : | Operating Procedure |
| WCAP: | Westinghouse Commercial Atomic Power |

## Test Package Development

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

The pressure test package numbers contain six segments of information.

```
Sample:   03-CCW-30110-H-01
          ↑  ↑   ↑ ↑   ↑ ↑
          1  2   3 4   5 6
```

1. Unit number (00) common to units 3 and 4. (03) unit 3 specific (04) unit 4 specific

2. System abbreviation

3. System number [First (2) digits]

4. Sub-system number - [(2) or (3) digits]

5. Type of test (H) hydrostatic (F) system functional (I) system inservice

6. Number of tests performed within the specific sub system.

**Intake Cooling Water System 19**

04-ICW-1992-H-01 - Test date 4/13/93 - This test involved the ICW piping associated with "A" ICW header, "A" ICW pump, "A" CCW HX, and "A" TPCW HX. All leakage noted during this test was found at mechanical joints (i.e., packing, seals, bolted connections etc.) which does not require retesting per ASME Section XI. All leakage was addressed by the following plant work requests:

93006466 93006467 93006468 93006469 93006471 93006480 93006481

04-ICW-1993-H-01 - Test date 4/13/93 - This test involved the ICW piping associated with "B" ICW header,"B" and "C" ICW pumps, "B" and "C" CCW HX, and "B" TPCW HX. All leakage noted during this test was found at mechanical joints (i.e., packing, seals, bolted connections etc.) which does not require retesting per ASME Section XI and was addressed by the following plant work requests:

93006472 93006474 93006479 93006476 93006480

## Spent Fuel Pool Cooling System 33

04-SFPC-3326-H-02 - Test date 6/18/93 - This test involved the SFPC piping associated with the refueling water purification pump, the spent fuel pool demineralizer, and the spent fuel pool filters. No leakage was noted during this test.

**OP 1506.7 Steam Generator Hydrostatic Pressure Test (Includes Systems 71, 72, and 74)**

OP 1506.7 - Test date 4/17/93 - This test was performed in order to satisfy all repair/replacement hydrostatic testing requirements which had been deferred in accordance with ASME Code Case N-416 "Alternative Rules for Hydrostatic Testing of Repair or Replacement of Class 2 Piping" Section XI Division 1 (approval date 12/05/84). This test included steam generators "A", "B", "C", and associated main steam, feedwater, and blowdown piping extending to the "B" to "D", or the "B" to "SR" class breaks outside containment. All leakage noted during this test was found at mechanical joints (i.e., packing, seals, bolted connections, etc.) which does not require retesting per ASME Section XI. All leakage was addressed by the following plant work requests:

| | | | | | |
|---|---|---|---|---|---|
| 93006736 | 93006740 | 93006741 | 93006742 | 93006743 | 93006745 |
| 93006751 | 93006753 | 93006754 | 93006755 | 93006756 | 93006757 |
| 93006758 | 93006760 | 93006761 | 93006765 | 93006766 | 93006767 |
| 93006771 | 93006768 | 93006772 | 93006808 | 93006809 | 93006810 |
| 93006811 | 93006814 | 93006816 | 93006817 | 93006995 | 93006996 |
| 93006999 | 93007000 | 93007001 | 93007002 | 93006824 | 93007003 |
| 92056277 | 93007004 | 93007005 | 93007006 | 93006837 | 93006838 |
| 93007007 | 93006839 | 93006904 | 93006884 | 93006885 | 93006886 |
| 93006887 | 93006888 | 93007008 | 93012092 | 93012090 | 93007009 |
| 93006905 | 93006907 | 93008534 | 91058708 | 93006903 | 93006910 |
| 93006911 | | | | | |