FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS
As required by the Provisions of the ASME Code Rules

1. Owner: Florida Power and Light Company
700 Universe Blvd, Juno Beach, Florida 33408
(Name and address of Owner)

2. Plant: Turkey Point Nuclear Power Plant
P.O. Box 3088, Florida City, Fl 33034
(Name and address of Plant)

3. Plant Unit: 4

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

5. Commercial service date 7 September 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 Number	National Board Number
RPV VESSEL	B & W	4PSRV1	N/A	N/A
PRESSURIZER	WESTINGHOUSE	4T200	N/A	N/A
STM. GEN. A,B,C	WESTINGHOUSE	4E210A,B,C	N/A	N/A
MAIN REACTOR COOLANT	BECHTEL	N/A	N/A	N/A
REACTOR COOLANT	BECHTEL	N/A	N/A	N/A
SAFETY INJECTION	BECHTEL	N/A	N/A	N/A
CVCS	BECHTEL	N/A	N/A	N/A
MAIN STEAM	BECHTEL	N/A	N/A	N/A
FEEDWATER	BECHTEL	N/A	N/A	N/A
SAFETY INJECTION	BECHTEL	N/A	N/A	N/A

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 data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

NIS-1 REPORT CONTINUED

8. Examination Dates 1-11-86 to 9-1-86

9. Inspection Period: from 0 YEARS to 3 1/3 YEARS

a) Period Dates: from 4-15-84 to 8-15-87

10. Inspection Interval Dates, from 4-15-84 to 4-15-94

11. Applicable Edition of Section XI 1980 Addenda W-1981

12. Date/Revision of Inspection Plan 1-16-86 Rev. 0

13. Abstract of Examination. Include a list of examinations and a statement concerning status of work required for current interval.

The Inservice Examinations (ISI) of selected Class I,II components of Florida Power and Light Company's (FPL) TURKEY POINT PLANT (PTN), UNIT NO. 4, was performed during the refueling outage which began on 11 JANUARY 1986. These examinations constitute the FIRST OUTAGE of the FIRST 40 MONTH PERIOD OF COMMERCIAL OPERATION, of the SECOND INSERVICE INSPECTION INTERVAL.

The components were selected in accordance with TURKEY POINT LONG-TERM PLAN which was prepared to meet the requirements of SECTION XI of the AMERICAN SOCIETY of MECHANICAL ENGINEERS BOILER and PRESSURE VESSEL CODE," RULES FOR INSERVICE INSPECTION OF NUCLEAR POWER PLANT COMPONENTS," 1980 EDITION with ADDENDA through WINTER 1981.

Manual Ultrasonic, Liquid Penetrant, Magnetic Particle and Visual techniques were used in the performance of the Inservice Inspection Examinations. Mechanized Ultrasonic and Remote Visual examination techniques were also employed during this outage.

Eddy Current examination techniques were used in the inspection of Steam Generator tubes on generators 4A, 4B and 4C.

Representative samples of the following components and areas were examined with nondestructive examination (NDE) techniques.

CLASS I

REACTOR PRESSURE VESSEL 4PSRV1
CLOSURE HEAD 4PSRV1
PRESSURIZER 4T200
STEAM GENERATORS 4E210A, 4E210B, 4E210C

REACTOR COOLANT	RESIDUAL HEAT	SAFETY INJECTION	CHEMICAL & VOLUME
31"-RCS-1401	14"-RHR-1401	10"-SI-1401	3"-CH-1401
29"-RCS-1404	8"-RHR-1401	10"-SI-1402	3"-CH-1402
27.5"-RCS-1407	8"-RHR-1402	10"-SI-1403	2"-CH-1402
29"-RCS-1405		2"-SI-1401	2"-CH-1403
27.5"-RCS-1406		2"-SI-1402	2"-CH-1412
29"-RCS-1408		2"-SI-1403	2"-CH-1413
27.5"-RCS-1409		2"-SI-1404	2"-CH-1404
		2"-SI-1405	2"-CH-1405
		2"-SI-1406	1.5"-CH-1401
			1.5"-CH-1402
			1.5"-CH-1403

REACTOR COOLANT

14"-RC-1401	3"-RC-1404	2"-RC-1401
4"-RC-1401	3"-RC-1401	2"-RC-1402
4"-RC-1402	3"-RC-1402	2"-RC-1403
4"-RC-1403	3"-RC-1403	2"-RC-1404
4"-RC-1404		2"-RC-1405
4"-RC-1405		2"-RC-1406
4"-RC-1406		2"-RC-1407
		2"-RC-1408
		2"-RC-1409
		2"-RC-1410

CLASS II

MAIN STEAM	FEEDWATER	SAFETY INJECTION	RESIDUAL HEAT REMOVAL
31"-MSA-2401	18"-FWA-2401	8"-SI-2402	14"-RHR-2403
26"-MSA-2401	14"-FWA-2401		12"-RHR-2401
	18"-FWB-2402	BLOWDOWN	12"-RHR-2402
CTMT SPRAY	14"-FWB-2402		10"-RHR-2405
	18"-FWC-2403	6"-BDA-2401	
6"-CS-2401	14"-FWC-2403		

14. Abstract of Conditions Noted.

CLASS 1

ZONE 1 REACTOR VESSEL

Remote visual examination of the Reactor Pressure Vessel interior was performed by WESTINGHOUSE ELECTRIC CORPORATION. The examinations were limited to the code category B-N-1 areas accessible during the refueling, and because of industry, Westinghouse and FP&L concerns some B-N-3 categories were also included in the examination plan. The results of these examinations were little or no wear. Further details of the examination activity can be found in the Westinghouse final report, document no. MI-52470.

The Mechanized Ultrasonic examination of the Reactor Vessel Outlet Nozzles and associated components was performed by Southwest Research Institure during February and March of the 1986 refueling outage. No Reportable indications were observed during the examination activity. Specific results of the activity can be found in the SWRI Final Report, Volume 1 & 2, document no. 8961.

In addition to the above FP&L conducted ultrasonic examination of the flange to upper shell weld from the seal surface.

ZONE 2 RPV CLOSURE HEAD

FP&L performed magnetic particle examinations of the RPV CH studs and Nuts, No. 1 thru 20, Ultrasonic examination of the RPV CH studs no. 1 thru 20, and Visual VT-1 examinations of the RPV CH washers (Large and small) washers 1 thru 20. No Recordable indications were noted.

ZONE 3 STEAM GENERATOR 4A

Five (5) examinations were conducted. One (1) geometric reflectors was noted due to the Tube sheet radius section. One (1) Recordable indication was noted, determined to be a spot. The visual observations of the manway bolting,denoted some gouges.

Three hundred twenty eight (328) tubes were inspected utilizing Eddy Current Examination techniques. No reportable indications were noted.

ZONE 4 STEAM GENERATOR 4B

Three hundred eighteen (318) tubes were inspected utilizing Eddy Current Examination techniques. One (1) reportable indication was noted between 20% to 39%, located in the hot leg .

ZONE 5 STEAM GENERATOR 4C

Three hundred forty five (345) tubes were inspected utilizing Eddy Current examination techniques. Two (2) reportable indications were noted between 20% to 39%, and one (1) located in the Hot leg and one (1) located in the Cold leg. See NIS-BB Report Attached.

ZONE 7 RCS LOOP A

One (1) UT examination and two (2) PT examinations were conducted. Four Linear indications were noted on a PT exam and were determined to be acceptable.

ZONE 8 RCS LOOP A

Seven (7) examinations were conducted. One (1) geometric reflectors was noted and determined to be root geometry.

ZONE 9 RCS LOOP A

Six (6) examinations were conducted. One (1) geometric reflector was noted due to the branch connection ID bore.

ZONE 11 RCS LOOP B

Three(3) examinations were conducted. No Recordable indications were noted.

ZONE 12 RCS LOOP B

One (1) examination was conducted. One (1) Reportable Round indication was noted, determined to be acceptable.

ZONE 14 RCS LOOP C

Four (4) examinations were conducted. No recordable indications were noted.

ZONE 15 RCS LOOP C

Four (4) examinations were conducted. One (1) linear indication was noted and determined to be acceptable. One (1) geometric indication was noted determined to be ID geometry.

ZONE 16 RC PRZ SURGE

Two (2) examinations were conducted. One (1) Reportable indication was noted and determined to be a Clad Adnomaly.

ZONE 17 RC PRESSURIZER SAFETY

Two (2) examinations were conducted. No Recordable indications were noted.

ZONE 18 RC PRESSURIZER SAFETY

Two (2) examinations were conducted. No Recordable indications were noted.

ZONE 19 RC PRESSURIZER SAFETY

Two (2) examinations were conducted. No Recordable indications were noted.

ZONE 20 RC PRESSURIZER SPRAY

Ten (10) examination was conducted. No Recordable indications were noted

ZONE 21 RC PRESSURIZER SPRAY

Six (6) examinations were conducted. No Recordable indications were noted.

ZONE 22 RC PRESSURIZER RELIEF

Three (3) examinations were conducted. One (1) geometric indication was noted determined to be counterbore.

ZONE 23 RC RTD RETURN

Two (2) examinations were conducted. One (1) VT-1 examination denoted Boric Acid residue on flange bolting.

ZONE 24 RC RTD RETURN

One (1) examination was conducted. No Recordable indications were noted.

ZONE 25 RC RTD RETURN

One (1) examination was conducted. No Recordable examinations were noted.

ZONE 26 RC DRAIN LOOP A

Two (2) examinations were conducted. No Recordable indications were noted.

ZONE 27 RC DRAIN LOOP B

One (1) examination was conducted. No Recordable indications were noted.

ZONE 28 RC DRAIN LOOP C

One (1) examination was conducted. No Recordable indications were noted.

ZONE 29 RC RTD LOOP A

Five (5) examinations were conducted. One (1) rounded indication was noted during a PT exam and determined to be acceptable. One (1) VT-1 examination observed what was believed to be inadequate thread engagement.

ZONE 30 RC RTD LOOP B

Three (3) examinations were conducted. No Recordable indications noted.

ZONE 31 RC RTD LOOP C

Six (6) examinations were conducted. Three (3) linear indications were noted during the penetrant examinations.

ZONE 32 RC RTD LOOP A

Four (4) examinations were conducted. One (1) linear indication was noted on a penetrant exam and corrosion was observed on a visual exam of flange bolting.

ZONE 33 RC RTD LOOP B

Four (4) examinations were conducted. No Recordable indications noted.

ZONE 34 RC RTD LOOP C

Three (3) examinations were conducted. No Recordable indications noted.

ZONE 35 RC AUXILIARY SPRAY

Two (2) examinations were conducted. No Recordable indications noted.

ZONE 36 RHR LOOP A

Four (4) examinations were conducted. One (1) linear,determined to be acceptable and One (1) rounded, determined to be acceptable. Two (2) geometric reflectors were noted determined to be ID geometry.

ZONE 37 RHR/SIS LOOP A

Nine (9) examinations were conducted. Three (3) linear indications were noted, and determined to be acceptable. One (1) geometric reflector was noted, determined to be ID geometry.

ZONE 38 RHR/SIS

Eight (8) examinations were conducted. One (1) linear was noted and determined to be acceptable. One (1) geometric reflector was noted and determined to be caused by the root geometry.

ZONE 39 SI/RHR LOOP C

Five (5) examinations were conducted. One (1) VT-3 examination denoted spalled concrete.

ZONE 40

Four (4) examinations were conducted. No recordable indications were noted.

ZONE 41 BORON INJECTION LOOP B

Five (5) examinations were conducted. One (1) linear indication was noted.

ZONE 42 BORON INJECTION LOOP C

Six (6) examinations were conducted. One (1) linear indication was noted and loose nuts were noted during a visual examination.

ZONE 43 HPSI LOOP A

Five (5) examinations were conducted. No recordable indications were noted.

ZONE 44

Six (6) examinations were conducted. No recordable indications were noted.

ZONE 45 CH LOOP C

Four (4) examinations were conducted. No recordable indications were noted.

ZONE 46 CHARGING LINE RHX LOOP A

Four (4) examinations were conducted. No recordable indications were noted.

ZONE 49 CVCS

Four (4) examinations were conducted. No recordable indications were noted.

ZONE 50 CVCS

Three (3) examinations were conducted. No recordable indications were noted.

ZONE 51 CVCS TO RCPB

Eight (8) examinations were conducted. One (1) linear indication was noted.

ZONE 52 CVCS TO RCPB

Seven (7) examinations were conducted. No recordable indications were noted.

CLASS 2

ZONE 60 STEAM GENERATOR A

Eight (8) examinations were conducted. One (1) recordable indication was noted, and determined to be slag. This indication was verified against the baseline exam. Two (2) geometric indications were noted and determined to be ID. One (1) arc strike was noted during a magnetic particle examination.

ZONE 64 RHR LOOP B

Three (3) examinations were conducted. Three (3) linear indications were noted and determined to be acceptable.

ZONE 68 RHR

One (1) examination was conducted. No recordable indications were noted.

ZONE 69 RHR

Five (5) examinations were conducted. No recordable indications were noted.

ZONE 74 RHR

Three (3) examinations were conducted. No recordable indications were noted.

ZONE 84 LPSI

Four (4) examinations were conducted. Two (2) linear indications were noted. One (1) was determined to be acceptable.

ZONE 95 CONTAINMENT SPRAY

Two (2) examinations were conducted. No recordable indications were noted.

ZONE 99 MAIN STEAM LOOP A

Eight (8) examinations were conducted. Three (3) ultrasonic reflector were noted and determined to be acceptable.

ZONE 105 BLOWDOWN LOOP A

Eighteen (18) examinations were conducted. One (1) geometric reflector was noted and determined to be caused by the root. Two (2) VT-3 exams were submitted to engineering for verification of clearances.

ZONE 111 FEEDWATER LOOP A

Twenty-eight (28) examinations were conducted. One (1) ut spot indication was noted. One (1) MT linear indication was noted. Two (2) visual observations noted loose nuts and Two (2) VT required verification of settings. Two (2) geometric indications were noted, (1) counterbore and (1) root.

ZONE 112 FEEDWATER LOOP B

Six (6) examinations were conducted. No recordable indications were noted.

ZONE 113 FEEDWATER LOOP C

Six (6) examinations were conducted. One (1) geometric indication was noted determined to be caused by the ID surface.

ZONE 114 AUXILIARY FEEDWATER LOOP A

One (1) examination was conducted. No recordable indications were noted.

SNUBBER EXAMINATIONS AND TESTS

The program for the testing and visual examinations of snubbers consisted of Eighty six (86) Pacific Scientific Mechanical snubbers.

Visual (VT-3) examination was conducted over the entire population of the subject mechanical snubbers. FP&L additionally opted to exercise each mechanical snubber through its full range of travel in order to detect evidence of binding, lockup or total absense of restraining action.

The functional test sample resulted in 100% of the total snubber population.

All failures were evaluated, including piping stress analysis where necessary. All defective snubbers were repaired and or replaced.

Additional details, including the identity of the failed snubbers are documented in the Paul Munroe Summary Report document no. PM IT5846N which is on file at the site.

The visual examinations and functional testing of the snubbers was conducted by Paul Munroe. The visual examinations and functional testing activities began on 20 January 1986 and ended on 10 March 1986.

CLASS I SYSTEM LEAKAGE TESTS

The system leakage tests and visual (VT-2) examinations of all class I systems prior to plant startup was performed by FPL Construction during the reactor coolant overpressure.
In addition to the RCS overpressure test, some system leakage tests were also conducted and the results of these examinations and tests are identified below:

Feedwater valves CV-2900 20 drops per minute.

Steam Generator Wet Layup SGWL-025 packing leak.

Pressurizer valve 573 leaking 100 drops per minute.

15. Abstract of Corrective Measures Recommended and Taken.

The results of manual UT examinations were recorded on the applicable indication report sheets as specified in the appropriate NDE procedure. The information documented on these forms describes the parameters associated with those indications which were greater than the recording levels specified in the applicable NDE procedures.

When required, the location and nature of reflectors were determined by analyzing the indications parameters recorded on the forms described above. The analysis is documented on a resolution sheet, which are included as part of the data record package.

Visual examinations, Magnetic Particle and Liquid Penetrant examination record sheets were used to record the results of those examinations. The equipment and/or materials used in VT, MT and PT examinations are also identified on the data sheets.

The summary table, which are included from page 1 through 82 of this report, provides information and results for the nondestructive examinations which were performed.

In the performance of the UT examinations, the data recording level was established by the applicable NDE procedure.

All nondestructive examinations performed were evaluated in accordance with the acceptance requirements of Section XI. Those examinations that exceeded the acceptance criteria of the code was submitted to the plant for evaluation and disposition inaccordance with plant procedures. Following Repair and or replacement, a nondestructive examination was performed, utilizing the same method of examination that found the indication, prior to return to service.

All geometric indications were verified against the baseline data and determined to be as previously identified.

We certify that the statements made in this report are correct and the examinations meet the Inspection Plan as required by the ASME Code, Section XI.

Date: 11/26/86 Signed FLORIDA POWER & LIGHT CO. By [signature]
Owner Manager - MCI

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 Boston Mfgs Mutual Insurance Company of NORWOOD, MASS have inspected the components described in this Owners' Data Report during the period 1-11-86 to 9-1-86, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

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

Date: 11-26-86 FACTORY MUTUAL SYSTEM

[signature] Commissions NB-4956 (N) (I)
Inspector's Signature National Board, state, Province and No.

SUPPLEMENTAL SHEET NIS-1

1. Owner: Florida Power & Light Co.
   700 Universe Blvd.
   Juno Beach, Florida 33408

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

3. Plant Unit : 4

4. Owner Certificate of Authorization : N/A

5. Commercial Service Date: 7 September 1973

6. National Board Number for Unit: N/A

10.

REPORT NUMBER	ORGANIZATION	DESCRIPTION OF SERVICE
MCI-PTN-RPT-86-001	FPL	INSERVICE INSPECTION VOLUME I THROUGH VOLUME III
MCI-ET-FR-86-001	FPL	EDDY CURRENT EXAMINATION OF STEAM GENERATORS
MI-52470	WESTINGHOUSE	REACTOR VESSEL VISUAL INTERNAL EXAMINATION REPORT
SWRI PROJECT 8961	SWRI	1986 MECHANIZED EXAMINATION OF THE REACTOR VESSEL OUTLET NOZZLES & ASSOCIATED COMPONENTS
PM 1T5846N	PAUL MUNROE	SNUBBER SUMMARY REPORT FOR VISUAL EXAMINATION AND FUNCTIONAL TESTING

EDDY CURRENT EXAMINATION RESULTS

PLANT: TURKEY POINT PLANT UNIT NO. 4

EXAMINATION DATES: FROM 12 MAR 1986 THRU 16 MAR 1986

STEAM GENERATOR NUMBER	TOTAL TUBES INSPECTED	TOTAL INDICATIONS < 20%	TOTAL INDICATION > OR = TO 20% TO 39%	TOTAL INDICATION > OR = TO 40% - 100%	TOTAL TUBES PLUGGED
SG 4A	328	15	0	0	0
SG 4B	318	10	1	0	0
SG 4C	345	37	2	0	0

LOCATION OF INDICATIONS Equal to or greater than 20%, but less than or equal to 39%

STEAM GENERATOR	AVB BARS	DRILLED SUPPORT 1 THROUGH 6		TOP OF TUBE SHEET TO 1 DRILLED SUPPORT	
		HOT LEG	COLD LEG	HOT LEG	COLD LEG
SG 4A	0	0	0	0	0
SG 4B	0	1	0	0	0
SG 4C	0	1	1	0	0

CERTIFICATION OF RECORD

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

FLORIDA POWER & LIGHT COMPANY
(Organization)

DATE 12/1/84 BY [signature]
Manager - MCI

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
   Address: P.O. Box 529100
   Miami, Florida 33152

   Date: 29 October 1986
   Sheet 1 of 1

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

   Unit: 4
   CWO D1-1674/NCR 125-86
   (Repair Organization PO.No,Job No,etc)

3. Work performed by: Bechtel Power Corp.
   15740 Shady Grove Road
   Gathersburg, Ma 20760

   Type Code Symbol Stamp: NA
   Authorization No.: NA
   Experation Date: NA

4. Identification of System: SG Feedwater system Loop C. Class 2

5. (a) Applicable Construction Code: B31.1, 1967 Edition, NA Addenda, NA Code Case
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Mechanical Snubber	PSCo.	12382	NA	Tag No. 4-1073	1981	Replaced	NA
Mechanical Snubber	PSCo	3941	NA	Tag No. 4-1073	1978	Replacement	NA

7. Description of Work: Replaced existing snubber that failed functional test criteria.

8. Test Conducted: Hydrostatic| | Pneaumatic| | Normal Operating Pressure| |
   Other | | Pressure: psig Test Temp: deg. F

FORM NIS-2

9. Remarks: Functional test and VT-3 performed by Paul-Munroe

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Experation Date NA

Signed [signature] ISI Coordinator Date 11-4, 19 86
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86, 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 the ASME Code, Section XI.

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

[signature] Commission Number: 4956 (N) (I)
Inspector's Signature (National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

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
   Address: P.O. Box 529100
   Miami, Florida 33152

   Date: 29 October 1986
   Sheet 1 of 1

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

   Unit: 4
   CWO D1-1674/NCR 127-86
   (Repair Organization PO.No,Job No,etc)

3. Work performed by: Bechtel Power Corp.
   15740 Shady Grove Road
   Gathersburg, Ma 20760

   Type Code Symbol Stamp: NA
   Authorization No.: NA
   Experation Date: NA

4. Identification of System: Main Feedwarer Line Loop A. Class 2

5. (a) Applicable Construction Code: B31.1, 1967 Edition, NA Addenda, NA Code Case
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identi-fication	Year Built	Repaired, Replaced, or Re-placement	ASME Code Stamped (Yes or No)
Mechanical Snubber	PSCo.	104	NA	Tag No. 4-1034	1976	Replace-ment	NA

7. Description of Work: Replaced existing rear bracket for PSA 10 snubber

8. Test Conducted: Hydrostatic| | Pneaumatic| | Normal Operating Pressure| |
   Other | | Pressure: psig Test Temp: deg. F

FORM NIS-2

9. Remarks: Inprocess NDE performed by Construction Quality Control (Stone & Webster)

As left final VT-3 performed by Paul-Munroe

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Experation Date NA

Signed [illegible] ISI Coordinator Date 11-4, 19 86
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86, 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 the ASME Code, Section XI.

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

D. R. Boyer
Inspector's Signature

Commission Number: 4956 (N) (I)
(National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

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
   Address: P.O. Box 529100
   Miami, Florida 33152

   Date: 29 October 1986
   Sheet 1 of 1

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

   Unit: 4
   CWO D1-1674/NCR 102-86
   (Repair Organization PO.No,Job No,etc)

3. Work performed by: Bechtel Power Corp.
   15740 Shady Grove Road
   Gathersburg, Ma 20760

   Type Code Symbol Stamp: NA
   Authorization No.: NA
   Experation Date: NA

4. Identification of System: Pressurizer Relief Line. Class 1

5. (a) Applicable Construction Code: B31.1, 1967 Edition, NA Addenda, NA Code Case
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identi-fication	Year Built	Repaired, Replaced, or Re-placement	ASME Code Stamped (Yes or No)
Mechanical Snubber	PSCo.	4251	NA	Tag No. 4-1048	1979	Replace-ment	NA

7. Description of Work: Replaced existing rear bracket for PSA 10 snubber

8. Test Conducted: Hydrostatic| | Pneaumatic| | Normal Operating Pressure| |
   Other | | Pressure: psig Test Temp: deg. F

FORM NIS-2

9. Remarks: Inprocess NDE and VT-3 performed by Construction Quality Control (Stone & Webster)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Experation Date NA

Signed [illegible] ISI Coordinator Date 11-4, 19 86.
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86, 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 the ASME Code, Section XI.

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

[illegible] Commission Number: 4956 (N) (I)
Inspector's Signature (National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

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
   Address: P.O. Box 529100
   Miami, Florida 33152

   Date: 29 October 1986
   Sheet 1 of 1

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

   Unit: 4

   CWO D1-1674/NCR 129-86
   (Repair Organization PO.No,Job No,etc)

3. Work performed by: Bechtel Power Corp.
   15740 Shady Grove Road
   Gathersburg, Ma 20760

   Type Code Symbol Stamp: NA
   Authorization No.: NA

   Experation Date: NA

4. Identification of System: Main Feedwarer Line Loop A. Class 2

5. (a) Applicable Construction Code: B31.1, 1967 Edition, NA Addenda, NA Code Case
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identi-fication	Year Built	Repaired, Replaced, or Re-placement	ASME Code Stamped (Yes or No)
Mechanical Snubber	PSCo.	182	NA	Tag No. 4-1035	1979	Replace-ment	NA

7. Description of Work: Replaced existing rear bracket for PSA 10 snubber

8. Test Conducted: Hydrostatic| | Pneaumatic| | Normal Operating Pressure| |
   Other | | Pressure: psig Test Temp: deg. F

FORM NIS-2

9. Remarks: Inprocess NDE and as left VT-3 performed by Construction Quality Control (Stone & Webster)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Experation Date NA

Signed Edward Hafer 1st Coordinator Date 11-4 ,19 86
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86 , 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 the ASME Code, Section XI.

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R. Roger Commission Number: 4956 (N) (I)
Inspector's Signature (National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

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
   Address: P.O. Box 529100
   Miami, Florida 33152

   Date: 29 October 1986

   Sheet 1 of 1

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

   Unit: 4

   CWO D1-1674/NCR 161-86
   (Repair Organization PO.No,Job No,etc)

3. Work performed by: Bechtel Power Corp.
   15740 Shady Grove Road
   Gathersburg, Ma 20760

   Type Code Symbol Stamp: NA
   Authorization No.: NA

   Experation Date: NA

4. Identification of System: Main Feedwarer Line Loop C. Class 2

5. (a) Applicable Construction Code: B31.1, 1967 Edition, NA Addenda, NA Code Case
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identi-fication	Year Built	Repaired, Replaced, or Re-placement	ASME Code Stamped (Yes or No)
Mechanical Snubber	PSCo.	10170	NA	Tag No. 4-1072	1981	Replaced	NA
Mechanical Snubber	PSCo.	16235	NA	Tag No. 4-1072	1983	Replace-ment	NA

7. Description of Work: Replaced existing snubber that failed functional test criteria.

8. Test Conducted: Hydrostatic| | Pneaumatic| | Normal Operating Pressure| |

   Other | | Pressure: psig Test Temp: deg. F

FORM NIS-2

9. Remarks: Functional test of replacement snubber and as left VT-3 performed by Paul-Munroe.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Experation Date NA

Signed [illegible] ISI Coordinator Date 11-4, 19 86
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86, 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 the ASME Code, Section XI.

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[illegible] Commission Number: 4956 (N) (I)
Inspector's Signature (National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

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
   Address: P.O. Box 529100
   Miami, Florida 33152

   Date: 29 October 1986
   Sheet 1 of 1

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

   Unit: 4
   CWO DI-1674/NCR 252-86
   (Repair Organization PO.No,Job No,etc)

3. Work performed by: Bechtel Power Corp.
   15740 Shady Grove Road
   Gathersburg, Ma 20760

   Type Code Symbol Stamp: NA
   Authorization No.: NA
   Experation Date: NA

4. Identification of System: Pressurizer spray loop C. Class 1

5. (a) Applicable Construction Code: B31.1, 1967 Edition, NA Addenda, NA Code Case
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identi-fication	Year Built	Repaired, Replaced, or Re-placement	ASME Code Stamped (Yes or No)
Mechanical Snubber	PSCo.	19724	NA	Tag No. 4-1065	1981	Replace-ment	NA

7. Description of Work: Replaced existing rear bracket of PSA 3 snubber.

8. Test Conducted: Hydrostatic| | Pneaumatic| | Normal Operating Pressure| |
   Other | | Pressure: psig Test Temp: deg. F

FORM NIS-2

9. Remarks: Inprocess NDE and final as left VT-3 performed by Construction Quality Control.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Experation Date NA

Signed [illegible] ISI Coordinator Date 11-4, 19 86
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86, 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 the ASME Code, Section XI.

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[illegible] Commission Number: 4956 (N) (I)
Inspector's Signature (National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

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
   Address: P.O. Box 529100
   Miami, Florida 33152

   Date: 29 October 1986

   Sheet 1 of 1

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

   Unit: 4
   PWO 2790/NCR 86-289
   PWO 2858/NCR 86-307
   (Repair Organization PO.No,Job No,etc)

3. Work performed by: Florida Power and Light Nuclear Plant Maintenance

   Type Code Symbol Stamp: NA
   Authorization No.: NA

   Experation Date: NA

4. Identification of System: Borated Water Charging Pump Suction Flow Class 2

5. (a) Applicable Construction Code: B31.1, 1967 Edition, NA Addenda, NA Code Case
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identi-fication	Year Built	Repaired, Replaced, or Re-placement	ASME Code Stamped (Yes or No)
NA	NA	NA	NA	NA	NA	Replace-ment	NA

7. Description of Work: Replaced approx. 4' of piping beteewn valve FCV-4-113B and downstream elbow.

8. Test Conducted: Hydrostatic |X| Pneaumatic | | Normal Operating Pressure | |

   Other | | Pressure: 188 psig Test Temp: 90 deg. F

FORM NIS-2

9. Remarks: All required NDE, hydrostatic pressure test and VT-2 examination performed by Plant Quality Control.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Experation Date NA

Signed H. Edward Haffner ISI Coordinator Date 11-4, 19 86
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86, 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 the ASME Code, Section XI.

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L O Boyer Commission Number: 4956 (N) (I)
Inspector's Signature (National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

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
   Address: P.O. Box 529100
   Miami, Florida 33152

   Date: 30 October 1986
   Sheet 1 of 1

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

   Unit: 4
   PWO 0524
   (Repair Organization PO.No,Job No,etc)

3. Work performed by: Florida Power and Light Nuclear Plant Maintenance

   Type Code Symbol Stamp: NA
   Authorization No.: NA
   Experation Date: NA

4. Identification of System: Steam Generator Blowdown Loop A. Class 2

5. (a) Applicable Construction Code: B31.1, 1967 Edition, NA Addenda, NA Code Case
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identi-fication	Year Built	Repaired, Replaced, or Re-placement	ASME Code Stamped (Yes or No)
Globe Valve	NA	NA	NA	SGB-4-047	NA	Replace-ment	NA

7. Description of Work: Replaced existing 3/4" valve with like valve.

8. Test Conducted: Hydrostatic| | Pneaumatic| | Normal Operating Pressure| |
   Other |X| Pressure: psig Test Temp: deg. F

FORM NIS-2

9. Remarks: All required NDE performed by Plant Quality Control.

Hydrostatic Pressure exempt by ASME Section XI, IWA 4400 (b)(5).

System leakage test and VT-2 performed prior to returning system to service.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Experation Date NA

Signed H. Edward [illegible] ISI Coordinator Date 11-4, 19 86
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86, 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 the ASME Code, Section XI.

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D J Boyer Commission Number: 4956 (N) (I)
Inspector's Signature (National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

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
   Address: P.O. Box 529100
   Miami, Florida 33152

   Date: 30 October 1986

   Sheet 1 of 1

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

   Unit: 4

   PWO 2835
   (Repair Organization PO.No,Job No,etc)

3. Work performed by: Florida Power and Light Nuclear Plant Maintenance

   Type Code Symbol Stamp: NA
   Authorization No.: NA

   Experation Date: NA

4. Identification of System: Steam Generator A. Class 2

5. (a) Applicable Construction Code: B31.1, 1967 Edition, NA Addenda, NA Code Case
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identi-fication	Year Built	Repaired, Replaced, or Re-placement	ASME Code Stamped (Yes or No)
Globe Valve	NA	NA	NA	4-10-141	NA	Replace-ment	NA

7. Description of Work: Replaced existing 1" tube sheet drain valve with like valve.

8. Test Conducted: Hydrostatic| | Pneaumatic| | Normal Operating Pressure| |

   Other |X| Pressure: psig Test Temp: deg. F

FORM NIS-2.

9. Remarks: All required NDE performed by Plant Quality Control.

Hydrostatic Pressure test exempt by ASME Section XI, IWA 4400 (b)(5)

System leakage test and VT-2 performed prior to returning system to service.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Experation Date NA

Signed [illegible] ISI Coordinator Date 11-4, 19 86
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86, 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 the ASME Code, Section XI.

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D E Boger Commission Number: 4956 (N) (I)
Inspector's Signature (National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

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
   Address: P.O. Box 529100
   Miami, Florida 33152

   Date: 30 October 1986
   Sheet 1 of 1

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

   Unit: 4
   PWO 1402
   (Repair Organization PO.No,Job No,etc)

3. Work performed by: Florida Power and Light Nuclear Plant Maintenance

   Type Code Symbol Stamp: NA
   Authorization No.: NA
   Experation Date: NA

4. Identification of System: Steam Generator B. Class 2

5. (a) Applicable Construction Code: B31.1, 1967 Edition, NA Addenda, NA Code Case
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identi-fication	Year Built	Repaired, Replaced, or Re-placement	ASME Code Stamped (Yes or No)
Globe Valve	NA	NA	NA	4-10-241	NA	Replace-ment	NA

7. Description of Work: Replaced existing 1" tube sheet drain valve with like valve.

8. Test Conducted: Hydrostatic| | Pneaumatic| | Normal Operating Pressure| |
   Other |X| Pressure: psig Test Temp: deg. F

FORM NIS-2

. Remarks: All required NDE performed by Plant Quality Control.

Hydrostatic Pressure test exempt by ASME Section XI, IWA 4400 (b)(5)

System leakage test and VT-2 performed prior to returning system to service.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Experation Date NA

Signed H. Edward Hayden ISI Coordinator Date 11-4, 19 86
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86, 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 the ASME Code, Section XI.

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D E Boyer Commission Number: 4956 (N) (I)
Inspector's Signature (National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

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
   Address: P.O. Box 529100
   Miami, Florida 33152

   Date: 30 October 1986

   Sheet 1 of 1

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

   Unit: 4

   PWO 2923
   (Repair Organization PO.No,Job No,etc)

3. Work performed by: Florida Power and Light Nuclear Plant Maintenance

   Type Code Symbol Stamp: NA
   Authorization No.: NA

   Experation Date: NA

4. Identification of System: Reactor Head Vent. Class 2

5. (a) Applicable Construction Code: B31.1, 1967 Edition, NA Addenda, NA Code Case
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identi-fication	Year Built	Repaired, Replaced, or Re-placement	ASME Code Stamped (Yes or No)
Solenold Valve	NA	NA	NA	4-SV-6319B	NA	Replace-ment	NA

7. Description of Work: Replaced existing 1" valve with like valve.

8. Test Conducted: Hydrostatic| | Pneaumatic| | Normal Operating Pressure| |

   Other |X| Pressure: psig Test Temp: deg. F

FORM NIS-2

9. Remarks: All required NDE performed by Plant Quality Control.

Hydrostatic Pressure test exempt by ASME Section XI, IWA 4400 (b)(5)

System leakage test and VT-2 performed prior to returning system to service.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Experation Date NA

Signed H. Leland Hafner ISI Coordinator Date 11-4, 19 86
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86, 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 the ASME Code, Section XI.

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D. Boyer Commission Number: 4956 (N) (I)
Inspector's Signature (National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

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
   Address: P.O. Box 529100
   Miami, Florida 33152

   Date: 30 October 1986
   Sheet 1 of 1

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

   Unit: 4
   CPWO 86-143
   (Repair Organization PO.No,Job No,etc)

3. Work performed by: Florida Power and Light Nuclear Plant Maintenance

   Type Code Symbol Stamp: NA
   Authorization No.: NA
   Experation Date: NA

4. Identification of System: Containment Spray Pump Recirculation to RWST. Class 2

5. (a) Applicable Construction Code: B31.1, 1967 Edition, NA Addenda, NA Code Case
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identi-fication	Year Built	Repaired, Replaced, or Re-placement	ASME Code Stamped (Yes or No)
Check Valve	NA	NA	NA	4-874D	NA	Replace-ment	NA

7. Description of Work: Replaced existing 2" socket weld valve with like valve

8. Test Conducted: Hydrostatic |X| Pneaumatic | | Normal Operating Pressure | |
   Other | | Pressure: 2200 psig Test Temp: 88 deg. F

FORM NIS-2

. Remarks: All required NDE performed by Plant Quality Control.

Hydrostatic Pressure test and VT-2 examination performed by FPL backfit construction.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Experation Date NA

Signed [illegible] 1st Coordinator Date 11-4, 19 86
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86, 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 the ASME Code, Section XI.

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[illegible] Commission Number: 4956 (N) (I)
Inspector's Signature (National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

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 — Date: 30 October 1986
   Address: P.O. Box 529100, Miami, Florida 33152 — Sheet 1 of 1

2. Plant: Turkey Point — Unit: 4
   Address: P.O. Box 3088, Florida City, 33034 — PWO 0224 (Repair Organization PO.No,Job No,etc)

3. Work performed by: Florida Power and Light Nuclear Plant Maintenance
   Type Code Symbol Stamp: NA
   Authorization No.: NA
   Experation Date: NA

4. Identification of System: Chemical Injection to Feedwater Loop C. Class 2

5. (a) Applicable Construction Code: B31.1, 1967 Edition, NA Addenda, NA Code Case
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identi-fication	Year Built	Repaired, Replaced, or Re-placement	ASME Code Stamped (Yes or No)
Gate Valve	NA	NA	NA	4-20-334	NA	Replace-ment	NA

7. Description of Work: Replaced existing 1/2" valve with like valve.

8. Test Conducted: Hydrostatic| | Pneaumatic| | Normal Operating Pressure| |
   Other |X| Pressure: psig Test Temp: deg. F

FORM NIS-2

9. Remarks: All required NDE performed by Plant Quality Control.

Hydrostatic Pressure exempt by ASME Section XI, IWA 4400 (b)(5).

System leakage test and VT-2 performed prior to returning system to service.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Experation Date NA

Signed J. Edward Hanson is/ Coordinator Date 11-4, 19 86
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86, 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 the ASME Code, Section XI.

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

D E Boyer Commission Number: 4956 (N) (I)
Inspector's Signature (National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

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
   Address: P.O. Box 529100
   Miami, Florida 33152

   Date: 30 October 1986
   Sheet 1 of 1

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

   Unit: 4
   PWO 0589/NCR 86-226
   (Repair Organization PO.No,Job No,etc)

3. Work performed by: Florida Power and Light Nuclear Plant Maintenance

   Type Code Symbol Stamp: NA
   Authorization No.: NA
   Experation Date: NA

4. Identification of System: Steam Generator B Main Feedwater. Class 2

5. (a) Applicable Construction Code: B31.1, 1967 Edition, NA Addenda, NA Code Case
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identi-fication	Year Built	Repaired, Replaced, or Re-placement	ASME Code Stamped (Yes or No)
Check Valve	NA	NA	NA	CV-4-2901	NA	Repair	NA

7. Description of Work: Weld buildup and machining of valve body and stuffing box.

8. Test Conducted: Hydrostatic| | Pneaumatic| | Normal Operating Pressure| |
   Other |X| Pressure: psig Test Temp: deg. F

FORM NIS-2

9. Remarks: All required NDE performed by Plant Quality Control.

Hydrostatic Pressure test exempt by ASME Section XI, IWA 4400 (b)(3)

System leakage test and VT-2 performed prior to returning system to service.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Experation Date NA

Signed [illegible] Isi Coordinator Date 11-4, 19 86
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86, 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 the ASME Code, Section XI.

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

[illegible] Boyer Commission Number: 4956 (N) (I)
Inspector's Signature (National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

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
   Address: P.O. Box 529100
   Miami, Florida 33152

   Date: 31 October 1986
   Sheet 1 of 1

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

   Unit: 4
   CWO D1-1675/NCR 154-86
   (Repair Organization PO.No,Job No,etc)

3. Work performed by: Bechtel Power Corp.
   15740 Shady Grove Road
   Gathersburg, Ma 20760

   Type Code Symbol Stamp: NA
   Authorization No.: NA
   Experation Date: NA

4. Identification of System: RTD Line. Class 1

5. (a) Applicable Construction Code: B31.1, 1967 Edition, NA Addenda, NA Code Case
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identi-fication	Year Built	Repaired, Replaced, or Re-placement	ASME Code Stamped (Yes or No)
2" Pipe Elbow	NA	NA	NA	2-RC-1406-28	NA	Repaired	NA

7. Description of Work: Removed base material linear indication by buffing.

8. Test Conducted: Hydrostatic| | Pneaumatic| | Normal Operating Pressure| |
   Other |X| Pressure: psig Test Temp: deg. F

FORM NIS-2

9. Remarks: All required NDE performed by Construction Quality Control (Stone & Webster)

Hydrostatic Pressure exempt by ASME Section XI, IWA 4400 (b)(3).

System leakage test and VT-2 performed prior to returning system to service.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed [illegible] ISI Coordinator Date 11-4, 19 86
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86, 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 the ASME Code, Section XI.

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

D. Roger
Inspector's Signature

Commission Number: 4956 (N) (I)
(National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

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
   Address: P.O. Box 529100
   Miami, Florida 33152

   Date: 31 October 1986
   Sheet 1 of 1

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

   Unit: 4
   CWO D1-1675/NCR 174-86
   (Repair Organization PO.No,Job No,etc)

3. Work performed by: Bechtel Power Corp.
   15740 Shady Grove Road
   Gathersburg, Ma 20760

   Type Code Symbol Stamp: NA
   Authorization No.: NA
   Experation Date: NA

4. Identification of System: RTD Line Loop A. Class 1

5. (a) Applicable Construction Code: B31.1, 1967 Edition, NA Addenda, NA Code Case
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" Reducer to Valve	NA	NA	NA	2-RC-1407-11	NA	Repaired	NA

7. Description of Work: Removed base material linear indication by buffing.

8. Test Conducted: Hydrostatic| | Pneaumatic| | Normal Operating Pressure| |
   Other |X| Pressure: psig Test Temp: deg. F

FORM NIS-2

9. Remarks: All required NDE performed by Construction Quality Control (Stone & Webster)

Hydrostatic Pressure exempt by ASME Section XI, IWA 4400 (b)(3).

System leakage test and VT-2 performed prior to returning system to service.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Experation Date NA

Signed [illegible] ISI Coordinator Date 11-4, 19 86
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86, 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 the ASME Code, Section XI.

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

[illegible] Commission Number: 4956 (N) (I)
Inspector's Signature (National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

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
   Address: P.O. Box 529100
   Miami, Florida 33152

   Date: 31 October 1986

   Sheet 1 of 1

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

   Unit: 4

   CWO D1-1675/NCR 144-86
   (Repair Organization PO.No,Job No,etc)

3. Work performed by: Bechtel Power Corp.
   15740 Shady Grove Road
   Gathersburg, Ma 20760

   Type Code Symbol Stamp: NA
   Authorization No.: NA

   Experation Date: NA

4. Identification of System: Chemical And Volume Control. Class 1

5. (a) Applicable Construction Code: B31.1, 1967 Edition, NA Addenda, NA Code Case
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identi-fication	Year Built	Repaired, Replaced, or Re-placement	ASME Code Stamped (Yes or No)
2" Pipe Elbow	NA	NA	NA	2-CH-1404-2	NA	Repaired	NA

7. Description of Work: Removed base material linear indication by buffing.

8. Test Conducted: Hydrostatic| | Pneaumatic| | Normal Operating Pressure| |
   Other |X| Pressure: psig Test Temp: deg. F

FORM NIS-2

9. Remarks: All required NDE performed by Construction Quality Control (Stone & Webster)

Hydrostatic Pressure exempt by ASME Section XI, IWA 4400 (b)(3).

System leakage test and VT-2 performed prior to returning system to service.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the ~~report~~ are correct and this repair conforms to the rules of ~~the~~ ASME Code Section XI.
(repair/replacement)

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed H. Edward Hartman 1st Coordinator Date 11-4, 19 86
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86, 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 the ASME Code, Section XI.

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

D E Boyer
Inspector's Signature

Commission Number: 4956 (N) (I)
(National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

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
   Address: P.O. Box 529100
   Miami, Florida 33152

   Date: 31 October 1986

   Sheet 1 of 1

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

   Unit: 4

   CWO D1-1675/NCR 145-86
   (Repair Organization PO.No,Job No,etc)

3. Work performed by: Bechtel Power Corp.
   15740 Shady Grove Road
   Gathersburg, Ma 20760

   Type Code Symbol Stamp: NA
   Authorization No.: NA

   Experation Date: NA

4. Identification of System: Main Feedwater Loop A. Class 2

5. (a) Applicable Construction Code: B31.1, 1967 Edition, NA Addenda, NA Code Case
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
14" Pipe Elbow	NA	NA	NA	14-FWA-2401-11	NA	Repaired	NA

7. Description of Work: Removed base material linear indication by buffing.

8. Test Conducted: Hydrostatic| | Pneaumatic| | Normal Operating Pressure| |
   Other |X| Pressure: psig Test Temp: deg. F

FORM NIS-2

9. Remarks: All required NDE performed by Construction Quality Control (Stone & Webster)

Hydrostatic Pressure exempt by ASME Section XI, IWA 4400 (b)(3).

System leakage test and VT-2 performed prior to returning system to service.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Experation Date NA

Signed [illegible] ISI Coordinator Date 11-4, 19 86
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86, 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 the ASME Code, Section XI.

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

[illegible] Commission Number: 4956 (N) (I)
Inspector's Signature (National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

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
   Address: P.O. Box 529100
   Miami, Florida 33152

   Date: 31 October 1986
   Sheet 1 of 1

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

   Unit: 4
   CPWO 86-082
   (Repair Organization PO.No,Job No,etc)

3. Work performed by: Florida Power and Light Nuclear Plant Maintenance

   Type Code Symbol Stamp: NA
   Authorization No.: NA
   Experation Date: NA

4. Identification of System: TPCW System Class 3

5. (a) Applicable Construction Code: ASME Section VIII, Div 1 1983 Edition Summer 1985 Addenda
   (b) Applicable Edition of Section XI Utilized for Repair or Replacement 1980 Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Mfg.	Mfg. Serial No.	National Board No.	Other Identi-fication	Year Built	Repaired, Replaced, or Re-placement	ASME Code Stamped (Yes or No)
Heat Exchanger	Amer. Std.	NA	NA	4A	1968	Replaced	NA
Heat Exchanger	Amer. Std.	NA	NA	4B	1968	Replaced	NA

7. Description of Work: Replaced original inlet and outlet cover doors.

8. Test Conducted: Hydrostatic| | Pneaumatic| | Normal Operating Pressure| |
   Other |X| Pressure: psig Test Temp: deg. F

FORM NIS-2

9. Remarks: Replacement Covers manufactured by American Standard. National Board numbers 42710, 42711, 42712 and 42713 assigned to replace-covers.

System leakage test and VT-2 performed prior to returning system to service.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Experation Date NA

Signed [signature] ISI Coordinator Date 11-4, 19 86
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, FL and employed by ** of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-11-86 to 9-1-86, 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 the ASME Code, Section XI.

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[signature] Commission Number: 4956 (N) (I)
Inspector's Signature (National Board, State, Province and Endorsements)

Date 11-4 19 86

**Arkwright Boston Mfg's Mutual Insurance Company

JUL 01 1986

FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by AMERICAN STANDARD HEAT TRANSFER DIVISION 175 STANDARD PARKWAY CHEEKTOWAGA, NY 14227 (Name and address of manufacturer)

2. Manufactured for Florida Power & Light Miami, Florida (Name and address of purchaser)

3. Location of installation Florida Power & Light Nuclear Plant Florida City, Florida (Name and address)

4. Type N/A (Name of vert., cone) 86K98129-01-1 (Mfg's serial No. of Pipe) 4-502-42- (CRN) 007-001 (Drawing No.) 42710 (Nat'l. Bd. No.) 1986 (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1983 (Year)

Summer 1985 (Addenda (Date)) Code Case No. Special service per UG-120(e)

6. (a) Drawing prepared by American Standard (b) Description of part inspected Cover

7. Postweld heat treatment: Temp. ---- °F Time ----

Items 8-13 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers

8. Shell: None (Mat'l. (Spec. No., Grade)) ---- (Nom. Thk. (in.)) ---- (Corr. Allow. (in.)) ---- (Diam. I.D. (ft & in.)) ---- (Length (overall) (ft & in.))

9. Seams: None (Long. Wld., Dbl., Sngl., Lap, Butt) ---- (R.T. (Spot or Full)) ---- (Eff. (%)) ---- (H.T. Temp. (°F)) ---- (Time) ---- (Girth Wld., Dbl., Sngl., Lap, Butt) ---- (R.T. (Spot, Partial, or Full)) ---- (No. of Courses)

10. Heads: (a) Matl. None (Spec. No., Grade) (b) Matl. ---- (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	—	—	—	—	—	—	—	—	—	—
(b)	—	—	—	—	—	—	—	—	—	—

If removable, bolts used (describe other fastenings) ---- (Mat'l., Spec. No., Gr., Size, No.)

11. Type of Jacket None Proof Test ----

12. Jacket Closure None (Welded as open & weld, bar, etc.) If bar, give dimensions ----

If bolted, describe or sketch.

13. MAWP None psi at max. temp. None °F. Min. temp. (when less than -20°F) ---- °F.

Hydro., pneu., or comb. test press. None psi.

Items 14 and 15 to be completed for tube sections

14. Tubesheets: None (Secondary Mat'l (Spec. No., Gr.)) ---- (Diam. (in.) (Subject to pressure)) — (Nom. Thk. (in.)) — (Corr. Allow. (in.)) — (Attach. Wld., Seams)

— (Floating Mat'l. (Spec. No., Gr.)) — (Diam. (in.)) — (Nom. Thk. (in.)) — (Corr. Allow. (in.)) — (Attach.)

15. Tubes: None (Mat'l. (Spec. No., Grade)) — (O.D. (in.)) — (Nom. Thk. (in. or gauge)) — (No.) — (Type (straight or "U"))

Items 16-18 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers

16. Shell: None (Mat'l. (Spec. No., Gr.)) — (Nom. Thk. (in.)) — (Corr. Allow. (in.)) — (Diam. I.D. (ft & in.)) — (Length (overall) (ft & in.))

17. Seams: None (Long. Wld., Dbl., Sngl., Lap, Butt) — (R.T. (Spot or Full)) — (Eff. (%)) — (H.T. Temp. (°F)) — (Time) — (Girth Wld., Dbl., Sngl., Lap, Butt) — (R.T. (Spot, Partial or Full)) — (No. of Courses)

18. Heads: (a) Matl. Stl. SA 516-Gr. 70 (Spec. No., Grade) (b) Matl. ---- (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	3.375	—	—	—	—	—	—	48.875	Flat
(b)	—	—	—	—	—	—	—	—	—	—

If removable, bolts used (describe other fastenings) SA193-B7 60-.875" Dia. (Mat'l., Spec. No., Grade, Size, No.)

(12/82) This form (E00110) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

Form U-2 (Back)

19. MAWP 75 psi at max. temp. 300 °F. Min. temp. (when less than -20° F) --- °F
Hydro., pneu., or comb. test press. 150 psi.

Items below to be completed for all vessels where applicable

20. Nozzles, Inspection and Safety Valve Openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diam. or Size	Type	Mat.	Nom. Thk.	Reinforcement Mat.	How Attached	Location
Insp. Port	1	5.625	Hole	---	---	---	---	Cover

21. Supports: Skirt No (Yes or no) Lugs --- (No.) Legs --- (No.) Other --- (Describe) Attached --- (Where and how)

22. Remarks: Covers are 90-10 Cu. Ni. Lined
Replacement covers are for existing Heat Exchangers

SAFETY VALVE/OVER PRESSURE PROTECTION TO BE PROVIDED BY USER, ...

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

"U" Certificate of Authorization No. 8740 expires 2/28, 19 89

Date 4-29-86 Co. name AMERICAN STANDARD - HTD (Manufacturer) Signed R R Warner (Representative) Q.A. MGR.

CERTIFICATE OF SHOP 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 NEW YORK and employed by *ALLENDALE MUTUAL INS. CO. of NORWOOD, MASS. have inspected the pressure vessel described in this Manufacturer's Partial Data Report on April 30, 19 86 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Boiler and Pressure Vessel Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturers' Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 4/30/86 Signed Charles E. Tack, (Authorized Inspector) Commissions NB # 7643 NY # 2565 PA # 2307 (Nat'l Board and endorsements, State, Prov. and No.)

(12/82)

*FACTORY MUTUAL SYSTEM

JUL 01 1986

FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by AMERICAN STANDARD HEAT TRANSFER DIVISION 175 STANDARD PARKWAY CHEEKTOWAGA, NY 14227 (Name and address of manufacturer)

2. Manufactured for Florida Power & Light Miami, Florida (Name and address of purchaser)

3. Location of installation Florida Power & Light Nuclear Plant Florida City, Florida (Name and address)

4. Type N/A (Horiz. or vert., tank) 86K98129-01-2 (Mfr's serial No. of Pers) (CRN) 4-502-42-007-001 (Drawing No.) 42711 (Nat'l. Bd. No.) 1986 (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL COD
The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1983 (Year)

Summer 1985 (Addenda (Date)) ____ (Code Case No.) ____ (Special service per UG-120(a))

6. (a) Drawing prepared by American Standard (b) Description of part inspected Cover

7. Postweld heat treatment: Temp. --- °F Time ---

Items 8-13 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers

8. Shell: None (Mat. (Spec. No., Grade)) --- (Nom. Thk. (in.)) --- (Corr. Allow. (in.)) --- (Diam. I.D. (ft & in.)) --- (Length (overall) (ft & in.))

9. Seams: None (Long. Weld., Dbl., Sngl., Lap, Butt) --- (R.T. (Spot or Full)) --- (Eff. (%)) --- (H.T. Temp. (°F)) --- (Time) --- (Girth Weld., Dbl., Sngl., Lap, Butt) --- (R.T. (Spot, Partial, or Full)) --- (No. of Courses)

10. Heads: (a) Matl. None (Spec. No., Grade) (b) Matl. --- (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	—	—	—	—	—	—	—	—	—	—
(b)	—	—	—	—	—	—	—	—	—	—

If removable, bolts used (describe other fastenings) --- (Matl., Spec. No., Gr., Size, No.)

11. Type of Jacket None Proof Test ---

12. Jacket Closure None (Describe as spot & weld, bar, etc.) If bar, give dimensions ---
If bolted, describe or sketch.

13. MAWP None psi at max. temp. None °F. Min. temp. (when less than -20°F) ---
Hydro., pneu., or comb. test press. None psi.

Items 14 and 15 to be completed for tube sections

14. Tubesheets: None (Stationary Matl. (Spec. No., Gr.)) --- (Diam. (in.) (Outside to pressure)) — (Nom. Thk. (in.)) — (Corr. Allow. (in.)) — (Attach. Weld., Dbl. Sngl.)
— (Floating Matl. (Spec. No., Gr.)) — (Diam. (in.)) — (Nom. Thk. (in.)) — (Corr. Allow. (in.)) — (Attach.)

15. Tubes: None (Matl. (Spec. No., Grade)) — (O.D. (in.)) — (Nom. Thk. (in. or gauge)) — (No.) — (Type (straight or "U"))

Items 16-18 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers

16. Shell: None (Matl. (Spec. No., Gr.)) — (Nom. Thk. (in.)) — (Corr. Allow. (in.)) — (Diam. I.D. (ft & in.)) — (Length (overall) (ft & in.))

17. Seams: None (Long. Weld., Dbl., Sngl., Lap, Butt) — (R.T. (Spot or Full)) — (Eff. (%)) — (H.T. Temp. (°F)) — (Time) — (Girth Weld., Dbl., Sngl., Lap, Butt) — (R.T. (Spot, Partial, or Full)) — (No. of Courses)

18. Heads: (a) Matl. Stl. SA 516-Gr. 70 (Spec. No., Grade) (b) Matl. --- (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	3.375	—	—	—	—	—	—	48.875	Flat
(b)	—	—	—	—	—	—	—	—	—	—

If removable, bolts used (describe other fastenings) SA193-B7 60-.875" Dia. (Matl., Spec. No., Grade, Size, No.)

(12/82) This form (E00110) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 100

Form U-2 (Back)

19. MAWP 75 psi at max. temp. 300 °F. Min. temp. (when less than -20°F) --- °F
Hydro., pneu., or comb. test press. 150 psi.

Items below to be completed for all vessels where applicable

20. Nozzles, Inspection and Safety Valve Openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diam. or Size	Type	Mat.	Nom. Thk.	Reinforcement Mat.	How Attached	Location
Insp.Port	1	5.625	Hole	---	---	---	---	Cover

21. Supports: Skirt No (Yes or no) Lugs --- (No.) Legs --- (No.) Other --- (Describe) Attached --- (Where and how)

22. Remarks: Covers are 90-10 Cu. Ni. Lined
Replacement covers are for existing Heat Exchangers

SAFETY VALVE/OVER PRESSURE ... TO BE PROVIDED BY USER/OWNER

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

"U" Certificate of Authorization No. 8740 expires 2/28, 19 89

Date 4-29-86 Co. name AMERICAN STANDARD - HTD (Manufacturer) Signed R.R. Wiener (Representative) Q.A. MGR.

CERTIFICATE OF SHOP 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 NEW YORK and employed by *ALLENDALE MUTUAL INS. CO. of NORWOOD, MASS. have inspected the pressure vessel described in this Manufacturer's Partial Data Report on April 30, 19 86, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Boiler and Pressure Vessel Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturers' Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 4/30/86 Signed [signature] (Authorized Inspector) Commissions NB # 7643 NY # 2685 PA # 2337 C[illegible] (Nat'l Board and endorsements State, Prov. and No.)

(12/82) *FACTORY MUTUAL SYSTEM

JUL 01 1986

FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by AMERICAN STANDARD HEAT TRANSFER DIVISION 175 STANDARD PARKWAY CHEEKTOWAGA, NY 14227 (Name and address of manufacturer)
2. Manufactured for Florida Power & Light Miami, Florida (Name and address of purchaser)
3. Location of installation Florida Power & Light Nuclear Plant Florida City, Florida (Name and address)
4. Type N/A (Hand. or vert., horiz.) 86K98129-01L3 (Mfg's serial No. of Parts) 4-502-42-007-001 (Drawing No.) 42712 (Nat'l. Bd. No.) 1986 (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1983 (Year)

   Summer 1985 (Addenda (Date)) ____ (Code Case No.) ____ (Section stamps per UG-120(a))
6. (a) Drawing prepared by American Standard (b) Description of part inspected Cover
7. Postweld heat treatment: Temp. ---- °F Time ----

Items 8-13 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers

8. Shell: None (Mat'l. (Spec. No., Grade)) ---- (Nom. Thk. (in.)) ---- (Corr. Allow. (in.)) ---- (Diam. I.D. (ft & in.)) ---- (Length (overall) (ft & in.))
9. Seams: None (Long. (Wld., Dbl., Sgl., Lap, Butt)) ---- (R.T. (Spot or Full)) ---- (Eff. (%)) ---- (H.T. Temp. (°F)) ---- (Time) ---- (Girth (Wld., Dbl., Sgl., Lap, Butt)) ---- (R.T. (Spot, Partial, or Full)) ---- (No. of Courses)
10. Heads: (a) Matl. None (Spec. No., Grade) (b) Matl. ---- (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	—	—	—	—	—	—	—	—	—	—
(b)	—	—	—	—	—	—	—	—	—	—

If removable, bolts used (describe other fastenings) ---- (Mat'l., Spec. No., Gr., Dia., No.)

11. Type of Jacket None Proof Test ----
12. Jacket Closure None (Describe as open & weld, bar, etc.) If bar, give dimensions ----
    If bolted, describe or sketch.
13. MAWP None psi at max. temp. None °F. Min. temp. (when less than -20° F) ---- °F
    Hydro., pneu., or comb. test press. None psi.

Items 14 and 15 to be completed for tube sections

14. Tubesheets: None (Stationary Mat'l. (Spec. No., Gr.)) ---- (Diam. (in.) (Outside to pressure)) — (Nom. Thk. (in.)) — (Corr. Allow. (in.)) — (Attach. (Wld., Bolted)) — (Floating Mat'l. (Spec. No., Gr.)) — (Diam. (in.)) — (Nom. Thk. (in.)) — (Corr. Allow. (in.)) — (Attach.)
15. Tubes: None (Mat'l. (Spec. No., Grade)) — (O.D. (in.)) — (Nom. Thk. (in. or gage)) — (No.) — (Type (straight or "U"))

Items 16-18 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers

16. Shell: None (Mat'l. (Spec. No., Gr.)) — (Nom. Thk. (in.)) — (Corr. Allow. (in.)) — (Diam. I.D. (ft & in.)) — (Length (overall) (ft & in.))
17. Seams: None (Long. (Wld., Dbl., Sgl., Lap, Butt)) — (R.T. (Spot or Full)) — (Eff. (%)) — (H.T. Temp. (°F)) — (Time) — (Girth (Wld., Dbl., Sgl., Lap, Butt)) — (R.T. (Spot, Partial, or Full)) — (No. of Courses)
18. Heads: (a) Matl. Stl. SA 516-Gr. 70 (Spec. No., Grade) (b) Matl. ---- (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	3.375	—	—	—	—	—	—	48.875	Flat
(b)	—	—	—	—	—	—	—	—	—	—

If removable, bolts used (describe other fastenings) SA193-B7 60-.875" Dia. (Mat'l., Spec. No., Grade, Dia., No.)

(12/82) This form (E001.10) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

Form U-2 (Back)

19. MAWP 75 psi at max. temp. 300 °F. Min. temp. (when less than -20°F) --- °F
Hydro., pneu., or comb. test press. 150 psi.

Items below to be completed for all vessels where applicable

20. Nozzles, Inspection and Safety Valve Openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diam. or Size	Type	Mat.	Nom. Thk.	Reinforcement Mat.	How Attached	Location
Insp.Port	1	5.625	Hole	---	---	---	---	Cover

21. Supports: Skirt No (Yes or No) Lugs --- (No.) Legs --- (No.) Other --- (Describe) Attached --- (Where and how)

22. Remarks: Covers are 90-10 Cu. Ni. Lined
Replacement covers are for existing Heat Exchangers

~~SAFETY VALVE/OVER PRESSURE PROTECTION TO BE PROVIDED BY~~ [illegible]R

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

"U" Certificate of Authorization No. 8740 expires 2/28, 19 89

Date 4-29-86 Co. name AMERICAN STANDARD - HTD (Manufacturer) Signed R.R. Warner (Representative) Q.A. MGR.

CERTIFICATE OF SHOP 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 NEW YORK and employed by *ALLENDALE MUTUAL INS. CO. of NORWOOD, MASS. have inspected the pressure vessel described in this Manufacturer's Partial Data Report on April 30, 19 86, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Boiler and Pressure Vessel Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturers' Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 4/30/86 Signed [illegible] (Authorized Inspector) Commissions NB# 7643 NY# 2685 PA# 2327 OHIO (Nat'l Board Insp. endorsement, State, Prov. and No.)

*FACTORY MUTUAL SYSTEM

(12/82)

JUL 01 1986

FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by AMERICAN STANDARD HEAT TRANSFER DIVISION 175 STANDARD PARKWAY CHEEKTOWAGA, NY 14227 (Name and address of manufacturer)

2. Manufactured for Florida Power & Light Miami, Florida (Name and address of purchaser)

3. Location of installation Florida Power & Light Nuclear Plant Florida City, Florida (Name and address)

4. Type N/A (Horiz. or vert., tank) 86K98129-01-4 (Mfgr's serial No. of Form) 4-502-42- (CRN) 007-001 (Drawing No.) 42713 (Nat'l. Bd. No.) 1986 (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL COD The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1983 (Year)

Summer 1985 (Addenda (Date)) ___ (Code Case No.) ___ (Special service per UG-120(a))

6. (a) Drawing prepared by American Standard (b) Description of part inspected Cover

7. Postweld heat treatment: Temp. --- °F Time ---

Items 8-13 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers

8. Shell: None (Mat. (Spec. No., Grade)) --- (Nom. Thk. (in.)) --- (Corr. Allow. (in.)) --- (Diam. I.D. (ft & in.)) --- (Length (overall) (ft & in.))

9. Seams: None (Long. (Wld., Obt., Seg., Lap, Butt)) --- (R.T. (Spot or Full)) --- (Eff. (%)) --- (H.T. Temp. (°F)) --- (Time) --- (Girth (Wld., Obt., Seg., Lap, Butt)) --- (R.T. (Spot, Partial, or Full)) --- (No. of Courses)

10. Heads: (a) Mat'l. None (Spec. No., Grade) (b) Mat'l. --- (Spec. No., Grade)

	Location (Top, Bottom, End)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	—	—	—	—	—	—	—	—	—	—
(b)	—	—	—	—	—	—	—	—	—	—

If removable, bolts used (describe other fastenings) --- (Mat'l., Spec. No., Gr., Size, No.)

11. Type of Jacket None Proof Test ---

12. Jacket Closure None (Describe as ogee & weld, bar, etc.) If bar, give dimensions ---

If bolted, describe or sketch.

13. MAWP None psi at max. temp. None °F. Min. temp. (when less than -20°F) --- °F

Hydro., pneu., or comb. test press. None psi.

Items 14 and 15 to be completed for tube sections

14. Tubesheets: None (Secondary Mat'l. (Spec. No., Gr.)) --- (Diam. (in.)/Subject to pressure) — (Nom. Thk. (in.)) — (Corr. Allow. (in.)) — (Attach. (Wld., Bolted)) — (Floating Mat'l. (Spec. No., Gr.)) — (Diam. (in.)) — (Nom. Thk. (in.)) — (Corr. Allow. (in.)) — (Attach.)

15. Tubes: None (Mat'l. (Spec. No., Grade)) — (O.D. (in.)) — (Nom. Thk. (in. or gauge)) — (No.) — (Type (straight or "U"))

Items 16-18 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers

16. Shell: None (Mat'l. (Spec. No., Gr.)) — (Nom. Thk. (in.)) — (Corr. Allow. (in.)) — (Diam. I.D. (ft & in.)) — (Length (overall) (ft & in.))

17. Seams: None (Long. (Wld., Obt., Seg., Lap, Butt)) — (R.T. (Spot or Full)) — (Eff. (%)) — (H.T. Temp. (°F)) — (Time) — (Girth (Wld., Obt., Seg., Lap, Butt)) — (R.T. (Spot, Partial, or Full)) — (No. of Courses)

18. Heads: (a) Mat'l. Stl. SA 516-Gr. 70 (Spec. No., Grade) (b) Mat'l. --- (Spec. No., Grade)

	Location (Top, Bottom, End)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	End	3.375	—	—	—	—	—	—	48.875	Flat
(b)	—	—	—	—	—	—	—	—	—	—

If removable, bolts used (describe other fastenings) SA193-B7 60-.875" Dia. (Mat'l., Spec. No., Grade, Size, No.)

(12/82) This form (E00110) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 1001

Form U-2 (Back)

19. MAWP 75 psi at max. temp. 300 °F. Min. temp. (when less than -20° F) --- °F
Hydro., pneu., or comb. test press. 150 psi.

Items below to be completed for all vessels where applicable

20. Nozzles, Inspection and Safety Valve Openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diam. or Size	Type	Mat.	Nom. Thk.	Reinforcement Mat.	How Attached	Location
Insp. Port	1	5.625	Hole	---	---	---	---	Cover

21. Supports: Skirt No (Yes or no) Lugs --- (No.) Legs --- (No.) Other --- (Describe) Attached --- (Where and how)

22. Remarks: Covers are 90-10 Cu. Ni. Lined
Replacement covers are for existing Heat Exchangers

~~SAFETY VALVE/OVER PRESSURE PROTECTION TO BE PROVIDED BY USER~~

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

"U" Certificate of Authorization No. 8740 expires 2/28, 19 89

Date 4-29-86 Co. name AMERICAN STANDARD - HTD (Manufacturer) Signed R. P. Warner (Representative) Q.A. MGR.

CERTIFICATE OF SHOP 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 NEW YORK and employed by *ALLENDALE MUTUAL INS. CO. of NORWOOD, MASS. have inspected the pressure vessel described in this Manufacturer's Partial Data Report on April 30, 19 86, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Boiler and Pressure Vessel Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturers' Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 4/30/86 Signed Charles E. Thole (Authorized Inspector) Commissions NB # 7643 NY # 2565 PA # 2327 CT (Nat'l Board (incl. endorsements), State, Prov. and No.)

(12/82)

*FACTORY MUTUAL SYSTEM

ZONE NO 001
ISOMETRIC NO MCI-V-01
SYSTEM REACTOR VESSEL

TURKEY POINT NUCLEAR POWER PLANT UNIT NO. 4
1986 REFUELING OUTAGE
CLASS 1 SUMMARY TABLES

DATE Sat Nov 22 1986
REVISION 0
PAGE NO 1

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000010	B1.30	B-A	4-WR-18	FLANGE - UPPER SHELL	UT	5.12	UT-14	X				5.12-2	SEAL SURFACE
000041	B13.10	B-N-1	4-WR-31	CORE BARREL MIDPLANE	VT-3	ISI-88	N/A	X				ISI-88-1	FROM 90 TO 18
000070	B3.90	B-D	4-DO-A	OUTLET NOZ.-SHELL	UT-0/15	700-6/29	UT-15	X				300010	FROM NOZZLE B
000071	B3.90	B-D	4-DO-A	AT 130 DEGREES	UT	700-6/29	UT-15	X				720002	UT0, UT15, SW
000090	B3.90	B-D	4-DO-C	OUTLET NOZ.- SHELL	UT	700-6/29	UT-15	X				300030	FROM NOZZLE B
000091	B3.90	B-D	4-DO-C	AT 250 DEGREES	UT	700-6/29	UT-15	X				720003	UT0, UT15, CS
000110	B3.90	B-D	4-DO-B	OUTLET NOZ. - SHELL	UT	700-6/29	UT-15	X				300020	FROM NOZZLE B
000111	B3.90	B-D	4-DO-B	AT 10 DEGREES	UT	700-6/29	UT-15	X				720001	UT0, UT15, SW
000130	B3.100	B-D	4-DO-A-IRS	OUTLET NOZZLE - IRS	UT	700-6/29	UT-32	X				300040	50/70, 50/70T
000131	B3.100	B-D	4-DO-A-IRS	AT 130 DEGREES	UT	700-6/29	UT-32	X				720005	UT 50/70, 50/
000150	B3.100	B-D	4-DO-C-IRS	OUTLET NOZ. - IRS	UT	700-6/29	UT-32	X				300060	SWRI
000151	B3.100	B-D	4-DO-C-IRS	OUTLET NOZZLE - IRS	UT	700-6/29	UT-32	X				720004	UT 50/70, UT
000170	B3.100	B-D	4-DO-B-IRS	OUTLET NOZZLE - IRS	UT	700-6/29	UT-32	X				300050	LOCATED AT 10
000171	B3.100	B-D	4-DO-B-IRS	OUTLET NOZZLE - IRS	UT	700-6/29	UT-32	X				720006	UT 50/70, UT
000240	B6.40	B-G-1	4-LIG-1 THRU 20	FLANGE LIGAMENT AREA	UT	NDE 5.12	UT-14	X				5.12-1	O DEGREE
000250	B13.31	B-N-2	4-INT-P1 - P50	INSTRUMENT PEN.	VT-3	ISI-88	N/A	X				ISI-88-1	FROM 0-90, 27
00251	B4.13	B-E	4-INT-P1 - P50	INST. PENETRATIONS	VT-2	NDE 4.2	N/A	X				4.2-6	FPL CONSTRUCT.
000260	B13.31	B-N-2	4-TC	UPPER INTERNALS	VT-3	ISI-88	N/A	X				N/A	WESTINGHOUSE
000270	B13.31	B-N-2	4-FMDF	FLOW MIXER DEVICE	VT-3	ISI-88	N/A	X				ISI-88-1	FROM 90 TO 0
000280	B13.31	B-N-2	4-AK-1	ALIGNMENT KEYWAY @0	VT-3	ISI-88	N/A	X				ISI-88-1	GEN RUB & WEA
000281	B13.31	B-N-2	4-AK-2	ALIGN KEY @ 90	VT-3	ISI-88	N/A	X				ISI-88-1	GEN RUB & WEA
000282	B13.31	B-N-2	4-AK-3	ALIGN. KEYWAY @ 180	VT-3	ISI-88	N/A	X				ISI-88	
000283	B13.31	B-N-2	4-AK-4	ALIGN KEYWAY @ 270	VT-3	ISI-88	N/A	X				ISI-88-1	GEN RUB & WEA
000290	B13.10	B-N-1	4-INT-1	VESSEL INTERIOR	VT-3	ISI-88	N/A	X				ISI-88-2	ACCESSIBLE AR
000300	B13.31	B-N-2	4-GTF	GUIDE TUBE FASTENER	VT-3	ISI-88	N/A	X				ISI-88-1	from 90 to 0
000310	B13.31	B-N-2	4-SCF	SUP. COLUMN FASTENER	VT-3	ISI-88	N/A	X				ISI-88-1	FRM 270 TO 0
000320	B13.31	B-N-2	4-USP-AP	ALIGN PIN MATING SUR	VT-3	ISI-88	N/A	X				ISI-88-1	AS ACCESSIBLE
000330	B13.31	B-N-2	4-UCP-GP	FUEL ASS. GUIDE PINS	VT-3	ISI-88	N/A	X				ISI-88-1	0 - 90 & 270
000340	B13.10	B-N-1	4-CH-AP-1	ALIGN PIN @ 75 deg	VT-3	ISI-88	N/A	X				ISI-88-2	RUB MARKS
000341	B13.10	B-N-1	4-CH-AP-2	ALIGN PIN @ 165 deg.	VT-3	ISI-88	N/A	X				ISI-88-2	RUB MARKS
000342	B13.10	B-N-1	4-CH-AP-3	ALIGN PIN @ 255 deg	VT-3	ISI-88	N/A	X				ISI-88-2	RUB MARKS
000343	B13.10	B-N-1	4-CH-AP-4	ALIGN PIN @ 345 deg	VT-3	ISI-88	N/A	X				ISI-88-2	RUB MARKS
000350	B13.10	B-N-1	4-RPV-AP-1	ALIGN PIN @ 75 deg	VT-3	ISI-88	N/A	X				ISI-88-2	RUB MARKS
000351	B13.10	B-N-1	4-RPV-AP-2	ALIGN PIN @ 165 deg	VT-3	ISI-88	N/A	X				ISI-88-2	RUB MARKS
000352	B13.10	B-N-1	4-RPV-AP-3	ALIGN PIN @ 255 deg	VT-3	ISI-88	N/A	X				ISI-88-2	RUB MARKS
000353	B13.10	B-N-1	4-RPV-AP-4	ALIGN PIN @ 345 deg	VT-3	ISI-88	N/A	X				ISI-88-2	RUB MARKS
000360	B13.31	B-N-2	4-CBF-FNW-1	CB NOZZLE WELD #1	VT-3	ISI-88	N/A	X				ISI-88-2	
000361	B13.31	B-N-2	4-CBF-FNW-2	CB NOZZLE WELD #2	VT-3	ISI-88	N/A	X				ISI-88-2	
000362	B13.31	B-N-2	4-CBF-FNW-3	CB NOZZLE WELD #3	VT-3	ISI-88	N/A	X				ISI-88-2	
000363	B13.31	B-N-2	4-CBF-FNW-4	CB NOZZLE WELD #4	VT-3	ISI-88	N/A	X				ISI-88-2	
000364	B13.31	B-N-2	4-CBF-FNW-5	CB NOZZLE WELD #5	VT-3	ISI-88	N/A	X				ISI-88-2	
000365	B13.31	B-N-2	4-CBF-FNW-6	CB NOZZLE WELD #6	VT-3	ISI-88	N/A	X				ISI-88-2	
000370	B13.32	B-N-3	4-UCP-GK-1	LOCATED @ 0 deg	VT-3	ISI-88	N/A	X				ISI-88-2	
000371	B13.32	B-N-3	4-UCP-GK-2	LOCATED @ 90 deg	VT-3	ISI-88	N/A	X				ISI-88-2	
000372	B13.32	B-N-3	4-UCP-GK-3	LOCATED @ 180 deg	VT-3	ISI-88	N/A	X				ISI-88-2	
000373	B13.32	B-N-3	4-UCP-GK-4	LOCATED @ 270 deg	VT-3	ISI-88	N/A	X				ISI-88-2	
000380	B13.31	B-N-2	4-CBN-1	FLANGE - CB WELD	VT-3	ISI-88	N/A	X				ISI-88-2	90 TO 180 deg
000390	B13.31	B-N-2	4-BA-FASTENERS	@ TOP 2 ROWS	VT-3	ISI-88	N/A	X				ISI-88-2	1&2 ROW,90 -
000400	B13.10	B-N-1	LOWER CORE PLT	SCAN FOR DEBRIS	VT-3	ISI-88	N/A	X				ISI-88-2	EXAMINED 100%
000470	B13.10	B-N-1	4-RPV-MS	RPV MATING SURFACE	VT-3	ISI-88	N/A	X				ISI-88-2	LOOSE DEBRIS

ZONE NO 002
ISOMETRIC NO MCI-V-02
SYSTEM CLOSURE HEAD

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000020	B6.30	B-G-1	4-CH-S-1 - S-20	CH STUDS 1 THRU 58	MT	NDE 2.2	N/A	X				2.2-6 & 8	20 STUDS EXAM
000021	B6.30	B-G-1	4-CH-S1 - S20	CLOSURE HEAD STUDS	UT	5.7	UT-11	X				5.7-1	STUD 1 THRU 2
000030	B6.10	B-G-1	4-CH-N1 - N20	CH NUTS 1 THRU 58	MT	NDE 2.2	N/A	X				2.2-7 & 9	EXAMINED 20 N
000040	B6.50	B-G-1	4-CH-LW-1 -LW20	LARGE WASHERS	VT-1	4.1	N/A	X				4.1-1	EXAMINED 20 W
000050	B6.50	B-G-1	4-CH-SW1 - SW20	SMALL WASHERS	VT-1	4.1	N/A	X				4.1-6	EXAMINED 20 W
000031	B6.10	B-G-1	4-CH-N-1 TO N20	RPV NUTS (1 THRU 58)	UT	5.10	UT-25	X				5.10-1	UT-25 ADDITIO

ZONE NO 003
ISOMETRIC NO MCI-V-09
SYSTEM S/G A

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000010	B2.40	B-B	4-SGA-Z	HEAD - TUBESHEET	UT	5.1	UT-8		X	X		5.1-1,2 &3	SPOT IND & TU
000030	B3.40	B-C	4-SGA-O-IRS	OUTLET NOZZLE IRS	UT	5.13	MOCKUP	X				5.13-2	SCAN OBSTRUCT
000040	B7.30	B-G-2	4-SGA-I-(1-16)	INLET MANWAY BOLTING	VT-1	4.1	N/A				X	4.1-7	GOUGES, ACCEP
000050	B7.30	B-G-2	4-SGA-O-(1-16)	OUTLET MANWAY BOLTS	VT-1	4.1	N/A				X	4.1-8	GOUGES ACCEPT
500000	B16.20	B-Q	4E210A	331 TUBES INSPECTED	ECT	NDE 1.1	N/A	X				N/A	
000020	B3.40	B-C	4-SGA-I IRS	INLET NOZZLE IRS	UT	5.13	MOCKUP	X				5.13-2	SCAN OBSTRUCT

ZONE NO 004
ISOMETRIC NO MCI-V-9
SYSTEM S/G B

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500001	B16.20	B-Q	4E210B	318 TUBES INSPECTED	ECT	NDE 1.1	N/A	X				N/A	>20% OR = 39%

ZONE NO 005
ISOMETRIC NO MCI-V-9
SYSTEM S/G C

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500002	B16.20	B-Q	4E210C	346 TUBES INSPECTED	ECT	NDE 1.1	N/A		X			N/A	>20% = 39% (2

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000221	B4.20	B-E	4-PZR-HC-1-78	HEATER CONNECTIONS	VT-2	4.2	N/A	X				4.2-7	FPL CONSTRUCT

ZONE NO 007
ISOMETRIC NO MCI-A-01
SYSTEM RCS LOOPA

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000010	B5.30	B-F	31-RCS-1401-5	SG NOZZLE-ELBOW	PT	NDE 3.3	N/A		X			3.3-30	4 LINEAR ACCE
000080	B9.32	B-J	31-RCS-1401-16	BRANCH CONN. 2 "	PT	NDE 3.3	N/A				X	3.3-29	FAINT GRIND M
000011	B5.30	B-F	31-RCS-1401-5	SG NOZZLE TO ELBOW	UT	5.5	UT-26	X				5.5-3 & 4	ONE SIDE EXAM

ZONE NO 008
ISOMETRIC NO MCI-A-02
SYSTEM RCS LOOP A

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000012	B5.10	B-F	29-RCS-1404-1	RPV NOZZLE - PIPE	UT	800/115	UT-32	X				300070	50/70 & 50/70
000011	B5.10	B-F	29-RCS-1404-1	RPV NOZZLE TO PIPE	UT	800/115	UT-32	X				300070	45OD/45TOD
000022	B9.11	B-J	29-RCS-1404-2	PIPE TO PIPE	UT	5.5	UT-46			X		5.5-6	45 AX SCAN, R
000010	B5.10	B-F	29-RCS-1404-1	RPV NOZZLE - PIPE	PT	NDE 3.3	N/A	X				300070	UT IN LIEU OF
000013	B5.10	B-F	29-RCS-1404-1	RPV NOZZLE TO PIPE	UT	800/115	UT-32	X				300070	45 DEGREE FUL
000020	B9.11	B-J	29-RCS-1404-2	PIPE TO PIPE	PT	NDE 3.3	N/A	X				3.3-51	
000021	B9.11	B-J	29-RCS-1404-2	PIPE TO PIPE	UT	5.5	UT-12	X				5.5-5	45 CIRC SCAN

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000020	B9.11	B-J	27.5RCS-1407-12	PIPE TO PIPE	PT	NDE 3.3	N/A				X	3.3-19	NON RELEVENT
000042	B9.31	B-J	27.5RCS-1407-20	BRANCH CONN 10" SIS	UT	5.5	UT-46	X				5.5-2	
000041	B9.31	B-J	27.5RCS-1407-20	BRANCH CONN 10" SIS	UT	5.5	UT-12			X		5.5-1	ID GEO. ONE S
000021	B9.11	B-J	27.5RCS-1407-12	PIPE TO PIPE	UT	5.5	UT-12	X				5.5-1,2	ONE SIDE EXAM
000040	B9.31	B-J	27.5RCS-1407-20	BRANCH CONN 10" SIS	PT	NDE 3.3	N/A	X				3.3-18	
000022	B9.11	B-J	27.5RCS-1407-12	PIPE TO PIPE	UT	5.5	UT-46	X				5.5-2	LIMITATION DU

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000011	B5.10	B-F	29-RCS-1405-1	RPV NOZZLE - PIPE	UT	800/115	UT-32	X				300080	45OD/45T OD
000010	B5.10	B-F	29-RCS-1405-1	RPV NOZZLE - PIPE	PT	NDE 3.3	N/A					300080	UT IN LIEU OF
000013	B5.10	B-F	29-RCS-1405-1	RPV NOZZLE - PIPE	UT	800/115	UT-32	X				300080	45 DEG FULL V
000012	B5.10	B-F	29-RCS-1405-1	RPV NOZZLE - PIPE	UT	800/115	UT-32	X				300080	50/70, 50/70T

ZONE NO 012
ISOMETRIC NO MCI-A-6
SYSTEM RCS LOOP B COLDLEG

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000060	B9.31	B-J	27.5RCS-1406-18	10"-SI-1402 BRANCH	PT	NDE 3.3	N/A		X			3.3-34	(1) ROUND ACC

ZONE NO 014
ISOMETRIC NO MCI-A-08
SYSTEM RCS LOOP C

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000013	B5.10	B-J	29-RCS-1408-1	RPV NOZZLE - PIPE	UT	800/115	UT-32	X				300090	45 DEG FULL V
000012	B5.10	B-F	29-RCS-1408-1	RPV NOZZLE - PIPE	UT	800/115	UT-32	X				300090	50/70, 50/70T
000010	B5.10	B-F	29-RCS-1408-1	RPV NOZZLE - PIPE	PT	NDE 3.3	N/A	X				300090	UT IN LIEU OF
000011	B5.10	B-F	29-RCS-1408-1	RPV NOZZLE - PIPE	UT	800/115	UT-32	X				300090	45OD/45T OD

ZONE NO 015
ISOMETRIC NO MCI-A-09
SYSTEM RCS LOOP C

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000010	B9.11	B-J	27.5RCS-1409-11	PUMP CASE TO PIPE	PT	NDE 3.3	N/A		X			3.3-31	(1) LINEAR AC
000020	B9.32	B-J	27.5RCS-1409-15	BRANCH CONN 2" RC	PT	NDE 3.3	N/A	X				3.3-32	
000012	B9.11	B-J	27.5RCS-1409-11	PUMP CASE TO PIPE	UT	5.5	UT-46			X		5.5-2	ID GEOMETRY
000011	B9.11	B-J	27.5RCS-1409-11	PUMP CASE TO PIPE	UT	5.5	UT-12	X				5.5-1	ONE SIDE EXAM

ZONE NO 016
ISOMETRIC NO MCI-A-10
SYSTEM RC PRZ. SURGE

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000101	B5.40	B-F	14-RC-1401-8A	REDUCER TO NOZZLE	UT	5.11	UT-30		X			5.11-2 & 3	CLAD ADNOMALY
000100	B5.40	B-F	14-RC-1401-8A	REDUCER TO NOZZLE	PT	NDE 3.3	N/A	X				3.3-84	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000030	B9.11	B-J	4-RC-1401-2	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-103	
000031	B9.11	B-J	4-RC-1401-2	ELBOW TO PIPE	UT	5.4	UT-45	X				5.4-6 & 7	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000031	B9.11	B-J	4-RC-1402-2	ELBOW TO PIPE	UT	5.4	UT-45	X				5.4-9	
000030	B9.11	B-J	4-RC-1402-2	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-113	

ZONE NO 019
ISOMETRIC NO MCI-A-13
SYSTEM RC PRZ. SAFETY

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000031	B9.11	B-J	4-RC-1403-2	ELBOW TO PIPE	UT	5.4	UT-45	X				5.4-9	
000030	B9.11	B-J	4-RC-1403-2	ELBOW TO PIPE	PT	3.3	N/A	X				3.3-111	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000121	B9.11	B-J	4-RC-1404-FW-12	PIPE TO VALVE	UT	5.4	UT-45	X				5.4-4	ONE SIDE EXAM
000140	B9.11	B-J	4-RC-1404-FW-14	PIPE TO ELBOW	PT	NDE 3.3	N/A	X				3.3-52	
000141	B9.11	B-J	4-RC-14040FW-14	PIPE TO ELBOW	UT	5.4	UT-45	X				5.4-4	
000310	B5.40	B-F	4-RC-1404-1A	SAFE END TO NOZZLE	PT	NDE 3.3	N/A				X	3.3-122	LIGHT PINK AC
000120	B9.11	B-J	4-RC-1404-FW-12	PIPE TO VALVE 4-573	PT	NDE 3.3	N/A	X				3.3-53	
000010	B9.11	B-J	4-RC-1404-1	BRANCH CONN - PIPE	PT	NDE 3.3	N/A	X				3.3-35	
000311	B5.40	B-F	4-RC-1404-1A	SAFE END TO NOZZLE	UT	5.4	UT-53	X				5.4-1	ONE SIDE SAFE
000281	B9.11	B-J	4-RC-1404-28	PIPE TO ELBOW	UT	5.4	UT-45	X				5.11-1	LIMITATION CO
000011	B9.11	B-J	4-RC-1404-1	BRANCH CONN. TO PIPE	UT	5.4	UT-45	X				5.4-4	LIMITED BRANC
000280	B9.11	B-J	4-RC-1404-28	PIPE TO ELBOW	PT	NDE 3.3	N/A	X				3.3-121	

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000171	B9.11	B-J	4-RC-1405-17	PIPETO ELBOW	UT	5.4	UT-45	X				5.4-5	
000010	B9.11	B-J	4-RC-1405-1	REDUCER TO ELBOW	PT	NDE 3.3	N/A	X				3.3-54	
000011	B9.11	B-J	4-RC-1405-1	REDUCER TO ELBOW	UT	5.4	UT-45	X				5.4-5	LIMITATION RE
000111	B9.11	B-J	4-RC-1405-FW-11	PIPE TO VALVE	UT	5.4	UT-45	X				5.4-5	ONE SIDE EXAM
000170	B9.11	B-J	4-RC-1405-17	PIPE TO ELBOW	PT	NDE 3.3	N/A	X				3.3-56	
000110	B9.11	B-J	4-RC-1405-FW-11	PIPE TO VALVE 4-572	PT	NDE 3.3	N/A	X				3.3-55	

ZONE NO 022
ISOMETRIC NO MCI-A-16
SYSTEM RC PRZ. RELIEF

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000100	B9.11	B-J	4-RC-1406-9	ELBOW TO REDUCER	PT	NDE 3.3	N/A	X				3.3-102	
000101	B9.11	B-J	4-RC-1406-9	ELBOW TO REDUCER	UT	5.4	UT-45			X		5.4-9	COUNTERBORE
000110	B9.21	B-J	3-RC-1404-1	REDUCER - V-4-536	PT	NDE 3.3	N/A	X				3.3-101	

ZONE NO 023
ISOMETRIC NO MCI-A-17
SYSTEM RC RTD RETURN

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000050	B9.21	B-J	3-RC-1401-3	FLANGE TO PIPE	PT	NDE 3.3	N/A				X	3.3-13	GRIND MKS, AC
000040	B7.50	B-G-2	FE-491	FLANGE BOLTING	VT-1	4.1	N/A		X			4.1-5	BORIC ACID

ZONE NO 024
ISOMETRIC NO MCI-A-18
SYSTEM RC RTD RETURN

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000100	B9.21	B-J	3-RC-1402-8	PIPE TO NOZZLE	PT	NDE 3.3	N/A	X				3.3-49	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000090	B9.21	B-J	3-RC-1403-7	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-25	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000030	B9.40	B-J	2-RC-1401-3	ELBOW TO PIPE	PT	NDE 3.3	N/A		X			3.3-28	(1) ROUND ACC
000050	B9.40	B-J	2-RC-1401-5	TEE TO PIPE	PT	NDE 3.3	N/A		X			3.3-27	(1) ROUND ACC

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000010	B9.40	B-J	2-RC-1402-1	NOZZLE TO PIPE	PT	NDE 3.3	N/A	X				3.3-50	

ZONE NO 028
ISOMETRIC NO MCI-A-22
SYSTEM RC DRAIN LOOP C

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000010	B9.40	B-J	2-RC-1403-1	NOZZLE TO PIPE	PT	NDE 3.3	N/A	X				3.3-26	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000210	B9.40	B-J	2-RC-1404-21	PIPE TO FLANGE	PT	NDE 3.3	N/A	X				3.3-44	
000010	B9.40	B-J	2-RC-1404-1	PIPE (PUP) TO TEE	PT	NDE 3.3	N/A	X				3.3-43	
000350	B9.40	B-J	2-RC-1404-1A	PUP TO RED. INSERT	PT	NDE 3.3	N/A		X			3.3-42	(1) ROUND ACC
000230	B9.40	B-J	2-RC-1404-22	FLANGE TO PIPE	PT	NDE 3.3	N/A	X				3.3-45	
000220	B7.50	B-G-2	2-RC-1404-FB	FLANGE BOLTING	VT-1	4.1	N/A		X			4.1-4	INAD. THREAD

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000180	B9.40	B-J	2-RC-1405-18	TEE TO PIPE	PT	NDE 3.3	N/A	X				3.3-59	
000270	B9.40	B-J	2-RC-1405-26	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-58	
000030	B9.40	B-J	2-RC-1405-3	TEE TO PIPE	PT	NDE 3.3	N/A	X				3.3-60	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000280	B9.40	B-J	2-RC-1406-27	PIPE TO ELBOW	PT	NDE 3.3	N/A		X			3.3-114	(2) LINEAR,(1
000030	B9.40	B-J	2-RC-1406-3	TEE TO PIPE	PT	NDE 3.3	N/A	X				3.3-23	
000290	B9.40	B-J	2-RC-1406-28	ELBOW TO PIPE	UT	NDE 3.3	N/A		X			3.3-14	(1) LINEAR RE
000260	B9.40	B-J	2-RC-1406-25	PIPE TO ELBOW	PT	NDE 3.3	N/A	X				3.3-120	
000250	B9.40	B-J	2-RC-1406-24	V 4-556C TO PIPE	PT	NDE 3.3	N/A	X				3.3-119	
000180	B9.40	B-J	2-RC-1405-18	TEE TO PIPE	PT	NDE 3.3	N/A	X				3.3-24	

ZONE NO 032
ISOMETRIC NO MCI-A-26
SYSTEM RC RTD LOOP A

TURKEY POINT NUCLEAR POWER PLANT UNIT NO. 4
1986 REFUELING OUTAGE
CLASS 1 SUMMARY TABLES

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ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000130	B9.40	B-J	2-RC-1407-11	RED. TO VALVE 558A	PT	NDE 3.3	N/A		X			3.3-47	(1) LINEAR RE
000400	B9.40	B-J	2-RC-1407-37	PIPE TO ELBOW	PT	NDE 3.3	N/A	X				3.3-46	
000240	B7.50	B-G-2	2-RC-1707-FB	FLANGE BOLTING	VT-1	4.1	N/A		X			4.1-3	CORROSION
000250	B9.40	B-J	2-RC-1407-22	FLANGE TO PIPE	PT	NDE 3.3	N/A	X				3.3-48	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000130	B9.40	B-J	2-RC-1408-12	PIPE TO V 558B	PT	NDE 3.3	N/A	X				3.3-37	
000260	B9.40	B-J	2-RC-1408-26	PIPE TO ELBOW	PT	NDE 3.3	N/A	X				3.3-38	LIMITATION GE
000250	B9.40	B-J	2-RC-1408-25	VALVE V559B TO PIPE	PT	NDE 3.3	N/A	X				3.3-39	LIMITED DUE T
000120	B9.40	B-J	2-RC-1408-11	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-36	ADDITIONAL EX

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000280	B9.40	B-J	2-RC-1409-27	V 559C TO PIPE	PT	NDE 3.3	N/A	X				3.3-22	
000190	B9.40	B-J	2-RC-1409-19	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-21	
000110	B9.40	B-J	2-RC-1409-11	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-20	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000290	B9.40	B-J	2-RC-1410-29	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-91	
000070	B9.40	B-J	2-RC-1410-7	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-61	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000011	B9.11	B-J	14-RHR-1401-1	NOZZLE TO ELBOW	UT	5.4	UT-30			X		5.4-6	ID GEOMETRY
000010	B9.11	B-J	14-RHR-1401-1	NOZZLE TO ELBOW	PT	NDE 3.3	N/A		X			3.3-66	(1) ROUND ACC
000151	B9.11	B-J	14-RHR-1401-13	ELBOW TO PIPE	UT	5.4	UT-30			X		5.4-6	ID GEOMETRY
000150	B9.11	B-J	14-RHR-1401-13	ELBOW TO PIPE	PT	NDE 3.3	N/A		X			3.3-4	(1) LINEAR AC

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
370020	F3.10	F-C	8073-H-825-01	RESTRAINT	VT-3	4.3	N/A	X				4.3-20	
000211	B9.11	B-J	10-SI-1401-5	ELBOW TO PIPE	UT	5.4	UT-27			X		5.4-2 & 7	ID GEOMETRY
000141	B9.11	B-J	8-RHR-1401-10	PIPE TO REDUCER	UT	5.4	UT-41	X				5.4-3	LIMITED DUE T
000371	B9.11	B-J	10-SI-1401-18	ELBOW TO NOZZLE	UT	5.4	UT-27	X				5.4-2 & 7	ONE SIDE EXAM
000140	B9.11	B-J	8-RHR-1401-10	PIPE TO REDUCER	PT	NDE 3.3	N/A		X			3.3-10	(1) LINEAR AC
000290	B9.32	B-J	10-SI-1401-12BC	BRANCH CONN 2"SIS	PT	NDE 3.3	N/A	X				3.3-92	
000370	B9.11	B-J	10-SI-1401-18	ELBOW TO NOZZLE	PT	NDE 3.3	N/A		X			3.3-17	(2) LINEAR AC
370010	F3.10	F-C	SR-450-D	RESTRAINT	VT-3	NDE 4.3	N/A		X			4.3-4	INSTALLATION
000210	B9.11	B-J	10-SI-1401-5	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-3	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000060	B9.11	B-J	10-SI-1402-4	ELBOW TO TEE	PT	NDE 3.3	N/A				X	3.3-15	LIGHT PINK AC
000061	B9.11	B-J	10-SI-1402-4	ELBOW TO TEE	UT	5.4	UT-27			X		5.4- 2 & 7	ONE SIDE, ROO
000320	B9.11	B-J	8-RHR-1402-7	TEE TO RED TEE	PT	NDE 3.3	N/A				X	3.3-16	LIGHT PINK AC
000211	B9.11	B-J	10-SI-1402-17	ELBOW TO NOZZLE	UT	5.4	UT-27	X				5.4- 2 & 7	ONE SIDE EXAM
000140	B9.32	B-J	10-SI-1402-12	BRANCH CONN 2 SIS	PT	NDE 3.3	N/A	X				3.3-41	
000271	B9.11	B-J	8-RHR-1402-4	PIPE TO TEE	UT	NDE 5.4	UT-41	X				5.4-3 & 8	ONE SIDE EXAM
000210	B9.11	B-J	10-SI-1402-17	ELBOW TO NOZZLE	PT	NDE 3.3	N/A	X				3.3-40	
000270	B9.11	B-J	8-RHR-1402-4	PIPE TO TEE	PT	NDE 3.3	N/A		X			3.3-112	(1) LINEAR AC

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000141	B9.11	B-J	10-SI-1403-6	PIPE TO ELBOW	UT	NDE 5.4	UT-27	X				5.4-2 & 7	ADDITIONAL EX
390030	F3.10	F-C	4-SIS-79	RIGID RESTRAINT	VT-3	4.3	N/A		X			4.3-6	SPALLED CONCR
000291	B9.11	B-J	10-SI-1403-19	PIPE TO NOZZLE	UT	5.4	UT-27	X				5.4-2 & 7	ONE SIDE EXAM
000140	B9.11	B-J	10-SI-1403-6	PIPE TO ELBOW	PT	NDE 3.3	N/A				X	3.3-62	LIGHT PINK AC
000290	B9.11	B-J	10-SI-1403-19	PIPE TO NOZZLE	PT	NDE 3.3	N/A	X				3.3-33	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000090	B9.40	B-J	2-SI-1401-10	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-85	
400060	F3.10	F-C	WR-5	RESTRAINT	VT-3	4.3	N/A	X				4.3-21	
000290	B9.40	B-J	2-SI-1401-30	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-83	
000130	B9.40	B-J	2-SI-1401-14	COUPLING TO PIPE	PT	NDE 3.3	N/A	X				3.3-82	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000380	B9.40	B-J	2-SI-1402-37	PIPE TO BRANCH CONN	PT	NDE 3.3	N/A	X				3.3-63	
000360	B9.40	B-J	2-SI-1402-35	PIPE TO ELBOW	PT	NDE 3.3	N/A	X				3.3-64	
000070	B9.40	B-J	2-SI-1402-8	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-86	
000270	B9.40	B-J	2-SI-1402-26	ELBOW TO PIPE	PT	NDE 3.3	N/A		X			3.3-87	(1) LINEAR,
410040	F3.10	F-C	WR-17	SINGLE ACTING REST.	VT-3	4.3	N/A	X				4.3-55	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000110	B9.40	B-J	2-SI-1403-12	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-88	
000220	B9.40	B-J	2-SI-1403-23	PIPE TO ELBOW	PT	NDE 3.3	N/A	X				3.3-57	
420020	F3.10	F-C	PS-2	DOUBLE ACTING REST.	VT-3	4.3	N/A	X				4.3-22	
420060	F3.10	F-C	WR-18-B	RESTRAINT	VT-3	NDE 4.3	N/A		X			4.3-36	LOOSE NUTS
000070	B9.40	B-J	2-SI-1403-8	VALVE 868C TO PIPE	PT	NDE 3.3	N/A		X			3.3-89	(1) LINEAR RE
000020	B9.40	B-J	2-SI-1403-2	PIPE TO ELBOW	PT	NDE 3.3	N/A	X				3.3-90	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000200	B9.40	B-J	2-SI-1405-20	PIPE TO ELBOW	PT	NDE 3.3	N/A	X				3.3-68	
430080	F3.10/50	F-C	SR-901	SPRING HANGER	VT-3/4	4.3	N/A	X				4.3-7	
370070	F3.10	F-C	PS-4	RESTRAINT	VT-3	NDE 4.3	N/A	X				4.3-7	
000060	B9.40	B-J	2-SI-1405-6	PIPE TO ELBOW	PT	NDE 3.3	N/A	X				3.3-65	
000320	B9.40	B-J	2-SI-1404-10	PIPE TO BRANCH CONN.	PT	NDE 3.3	N/A	X				3.3-67	

ZONE NO 044
ISOMETRIC NO MCI-A-38
SYSTEM HPSI LOOP B

TURKEY POINT NUCLEAR POWER PLANT UNIT NO. 4
1986 REFUELING OUTAGE
CLASS 1 SUMMARY TABLES

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ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000100	B9.40	B-J	2-SI-1406-10	PIPE TO ELBOW	PT	NDE 3.3	N/A	X				3.3-80	ADDITIONAL EX
000090	B9.40	B-J	2-SI-1406-9	TEE TO PIPE	PT	NDE 3.3	N/A	X				3.3-81	
000330	B9.40	B-J	2-SI-1406-33	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-69	
000210	B9.40	B-J	2-SI-1406-21	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-70	
000440	B9.40	B-J	2-SI-1406-44	PIPE TO BRANCH CONN.	PT	NDE 3.3	N/A				X	3.3-79	LIGHT PINK AC
440050	F3.10	F-C	WR-8	DOUBLE ACTING REST.	VT-3	4.3	N/A	X				4.3-49	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000460	B9.21	B-J	2-CH-1412-18A	3X2" RED TO V4-310B	PT	NDE 3.3	N/A	X				3.3-93	ADDITIONAL WE
000180	B9.21	B-J	3-CH-1401-18	PIPE TO REDUCER 3x2"	PT	NDE 3.3	N/A	X				3.3-72	
450080	F3.10	F-C	4-VCH-13	RESTRAINT	VT-3	4.3	N/A	X				4.3-8	
000330	B9.21	B-J	3-CH-1401-33	PIPE TO PIPE	PT	NDE 3.3	N/A	X				3.3-71	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000280	B9.21	B-J	3-CH-1402-27	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-76	
000120	B9.21	B-J	3-CH-1402-11	V 4-310A TO PIPE	PT	NDE 3.3	N/A	X				3.3-74	
460080	F3.10	F-C	WR-39	RESTRAINT	VT-3	4.3	N/A	X				4.3-9	
000400	B9.21	B-J	2-CH-1413-11A	V4-310A TO RED	PT	NDE 3.3	N/A	X				3.3-75	ADDITIONAL WE

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
490020	F3.10	F-C	SR-M-781-1	SINGLE ACTING REST.	VT-3	4.3	N/A	X				4.3-52	
000260	B9.40	B-J	2-CH-1402-26	PIPE TO ELBOW	PT	NDE 3.3	N/A	X				3.3-78	
000160	B9.40	B-J	2-CH-1402-16	PIPE TO ORFICE F205A	PT	NDE 3.3	N/A	X				3.3-77	
490050	F3.10	F-C	SR-953	SINGLE ACTING REST.	VT-3	4.3	N/A	X				4.3-19	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000290	B9.40	B-J	2-CH-1403-5	PIPE TO PIPE	PT	NDE 3.3	N/A	X				3.3-8	
000360	B9.21	B-J	1.5-CH-1401-4	PIPE TO NOZZLE	PT	NDE 3.3	N/A	X				3.3-7	
000280	B9.40	B-J	2-CH-1403-4	PIPE TO PIPE	PT	NDE 3.3	N/A	X				3.3-9	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000330	B9.40	B-J	2-CH-1404-3	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-5	
000320	B9.40	B-J	2-CH-1404-2	PIPE TO ELBOW	PT	NDE 3.3	N/A		X			3.3-6	(1) LINEAR RE
000400	B9.40	B-J	2-CH-1404-9	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-117	ADDITIONAL EX
000350	B7.50	B-G-2	2-CH-1404-FB	FLANGE BOLTING	VT-1	4.1	N/A	X				4.1-2	(4) STUDS & (
000430	B9.40	B-J	1.5-CH-1402-1	RED. INSERT TO PIPE	PT	NDE 3.3	N/A	X				3.3-1	
000340	B9.40	B-J	2-CH-1404-4	PIPE TO FLANGE	PT	NDE 3.3	N/A	X				3.3-115	ADDITIONAL EX
000370	B9.40	B-J	2-CH-1404-6	PIPE TO ELBOW	PT	3.3	N/A	X				3.3-116	ADDITIONAL EX
000380	B9.40	B-J	2-CH-1404-7	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-2	

ZONE NO 052
ISOMETRIC NO MCI-A-46
SYSTEM CVCS TO RCPC

TURKEY POINT NUCLEAR POWER PLANT UNIT NO. 4
1986 REFUELING OUTAGE
CLASS 1 SUMMARY TABLES

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ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
520030	F3.10	F-C	PS-3	DOUBLE ACTING REST.	VT-3	4.3	N/A	X				4.3-23	
000360	B9.40	B-J	2-CH-1405-8	PIPE TO ELBOW	PT	3.3	N/A	X				3.3-95	
000380	B9.40	B-J	2-CH-1405-10	PIPE TO ELBOW	PT	3.3	N/A	X				3.3-94	
000460	B9.40	B-J	1.5-CH-1403-2	PIPE TO NOZZLE	PT	3.3	N/A	X				3.3-93	
000320	B9.40	B-J	2-CH-1405-4	PIPE TO ELBOW	PT	NDE 3.3	N/A	X				3.3-98	
000330	B9.40	B-J	2-CH-1405-5	ELBOW TO PIPE	PT	NDE 3.3	N/A	X				3.3-97	
000340	B9.40	B-J	2-CH-1405-6	PIPE TO ELBOW	PT	NDE 3.3	N/A	X				3.3-96	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000020	C1.10	C-A	4-SGA-N	RING TO LOWER SHELL	UT	NDE 5.1	UT-7	X				5.1-4,5 &6	INCOMP. LIFT-
000010	C1.30	C-A	4-SGA-Y	TUBE SHEET - RING	UT	NDE 5.1	UT-7		X	X		5.1-4,5 &6	SLAG, VERIFIE
000080	C2.21	C-B	4-SGA-ST	STEAM NOZZLE TO HEAD	MT	NDE 2.2	N/A	X				2.2-11	
000081	C2.21	C-B	4-SGA-ST	STEAM NOZZLE TO HEAD	UT	NDE 5.1	UT-7	X				5.1-7,8 &9	LIMITED INSUL
000090	C2.22	C-B	4-SGA-ST-IRS	STM. NOZ. INNER RADI	UT	NDE 5.13	UT-3	X				5.13-1	
000051	C2.21	C-B	4-SGA-FW	FW NOZZLE TO SHELL	UT	NDE 5.1	UT-7	X				5.1-7,8 &9	LIMITED INSUL
000050	C2.21	C-B	4-SGA-FW	FW NOZZLE TO SHELL	MT	NDE 2.2	N/A				X	2.2-15	ARC STRIKE, L
000060	C2.22	C-B	4-SGA-FW-IRS	FW NOZ. INNER RADIUS	UT	NDE 5.13	UT-3			X		5.13-3	ID GEOMETRY

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000010	C5.11	C-F	14-RHR-2403-1	TEE TO TEE	PT	NDE 3.3	N/A	X				3.3-104	
000020	C5.11	C-F	14-RHR-2403-2	TEE TO PIPE	PT	NDE 3.3	N/A	X				3.3-105	
000040	C5.11	C-F	14-RHR-2403-4	ELBOW TO VLV. 4-752B	PT	NDE 3.3	N/A		X			3.3-106	3 LINEAR, ACC

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000150	C5.11	C-F	12-RHR-2401-15	PIPE TO TEE	PT	NDE 3.3	N/A	X				3.3-108	SUBSTITUTE EX

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000150	C5.11	C-F	12-RHR-2402-15	PIPE TO FLANGE	PT	NDE 3.3	N/A	X				3.3-110	
000010	C5.11	C-F	12-RHR-2402-1	REDUCER TO PIPE	PT	NDE 3.3	N/A	X				3.3-109	
690020	F3.10	F-C	SR-636	SPRING SUPPORT	VT-3	NDE 4.3	N/A	X				4.3-25	
690021	F3.50	F-C	SR-636	SPRING SUPPORT	VT-4	NDE 4.3	N/A	X				4.3-25	
690010	F3.10	F-C	SR-644	DOUBLE ACTING REST.	VT-3	NDE 4.3	N/A	X				4.3-24	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000010	C5.11	C-F	10-RHR-2405-1	REDUCER TO PIPE	PT	NDE 3.3	N/A	X				3.3-99	
000060	C5.11	C-F	10-RHR-2405-6	PIPE TO ELBOW	PT	NDE 3.3	N/A	X				3.3-100	
740010	F3.10	F-C	A	DOUBLE ACTING REST.	VT-3	NDE 4.3	N/A	X				4.3-26	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO OTHER	EXAM DATA SHEET NO	REMARKS
000011	C5.21	C-F	8-SI-2402-1	REDUCER TO ELBOW	UT	NDE 5.4	UT-41	X			5.4-1 & 8	LIMIT EL. INN
000010	C5.21	C-F	8-SI-2402-1	REDUCER TO ELBOW	PT	NDE 3.3	N/A		X		3.3-11	(1) LINEAR AC
000061	C5.21	C-F	8-SI-2402-6	PIPE TO PIPE	UT	NDE 5.4	UT-41	X			5.4-1 & 8	
000060	C5.21	C-F	8-SI-2402-6	PIPE TO PIPE	PT	NDE 3.3	N/A		X		3.3-12	(1) LINEAR (2

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000060	C5.11	C-F	6-CS-2401-6	ELBOW TO VLV 891A	PT	NDE 3.3	N/A	X				3.3-107	
950030	F3.10	F-C	4-SIH-3	WELDED SUPPORT	VT-3	NDE 4.3	N/A	X				4.3-27	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000011	C5.21	C-F	31-MSA-2401-1A	NOZZLE TO REDUCER	UT	NDE 5.2	UT-52	X				5.2-4 & 5	
000110	C5.22	C-F	26-MSA-2401-LS8	PIPE -LONG SEAM	MT	NDE 2.2	N/A	X				2.2-5	
000111	C5.22	C-F	26-MSA-2401-LS8	PIPE - LONG SEAM	UT	NDE 5.2	UT-21	X				5.2-2	
000120	C5.22	C-F	26-MSA-2401-LS9	PIPE - LONG SEAM	MT	NDE 2.2	N/A	X				2.2-5	
000010	C5.21	C-F	31-MSA-2401-1A	NOZZLE TO REDUCER	MT	NDE 2.2	N/A	X				2.2-12	
000101	C5.21	C-F	26-MSA-2401-9	PIPE TO PEN. # 26A	UT	NDE 5.2	UT-21		X			5.2-2	(3) IND ACCEP
000100	C5.21	C-F	26-MSA-2401-9	PIPE TO PEN. # 26A	MT	NDE 2.2	N/A	X				2.2-5	
000121	C5.22	C-F	26-MSA-2401-LS9	PIPE - LONG SEAM	UT	NDE 5.2	UT-21	X				5.2-2	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000061	C5.21	C-F	6-BDA-2401-6	RED TO VLV SGB-4-002	UT	NDE 5.2	UT-22	X				5.2-6 & 7	
000070	C5.21	C-F	6-BDA-2401-7	VLV SGB-4-002 - PIPE	MT	NDE 2.2	N/A	X				2.2-20	SUBSTITUTE EX
000071	C5.21	C-F	6-BDA-2401-7	VLV SGB-4-002 - PIPE	UT	NDE 5.2	UT-22	X				5.2-6 & 7	SUBSTITUTE EX
000090	C5.21	C-F	6"-BDA-2401-9	ELBOW TO PIPE	MT	NDE 2.2	N/A	X				2.2-18	
000091	C5.21	C-F	6-BDA-2401-9	ELBOW TO PIPE	UT	NDE 5.2	UT-22	X				5.2-6 & 7	
000150	C5.21	C-F	6-BDA-2401-15	PIPE TO ELBOW	MT	NDE 2.2	N/A	X				2.2-21	
000021	C5.21	C-F	6-BDA-2401-2	VLV. SGB-4-001 -PIPE	UT	NDE 5.2	UT-22	X				5.2-6 & 7	
000060	C5.21	C-F	6-BDA-2401-6	RED TO VLV SGB-4-002	MT	NDE 2.2	N/A	X				2.2-19	
105030	F3.10	F-C	H-420-12	RIGID RESTRAINT	VT-3	NDE 4.3	N/A		X			4.3-11	VERIFY CLEARA
105040	F3.10	F-C	H-420-09	RIGID RESTRAINT	VT-3	NDE 4.3	N/A			X		4.3-10	VERIFY CLEARA
105050	F3.10	F-C	H-420-08	BOXED SUPPORT	VT-3	NDE 4.3	N/A	X				4.3-32	
105100	F3.10	F-C	H-420-03	DOUBLE ACTING REST.	VT-3	NDE 4.3	N/A	X				4.3-31	
000151	C5.21	C-F	6-BDA-2401-15	PIPE TO ELBOW	UT	NDE 5.2	UT-22	X				5.2-6 & 7	ONE SIDE EXAM
000270	C5.21	C-F	6-BDA-2401-27	PIPE TO REDUCER	MT	NDE 2.2	N/A	X				2.2-22	
000271	C5.21	C-F	6-BDA-2401-27	PIPE TO REDUCER	UT	NDE 5.2	UT-22			X		5.2-10 &11	ROOT GEOMETRY
105120	F3.10	F-C	H-420-01	RIGID RESTRAINT	VT-3	NDE 4.3	N/A	X				4.3-12	
000020	C5.21	C-F	6-BDA-2401-2	VLV. SGB-4-001- PIPE	MT	NDE 2.2	N/A	X				2.2-17	
105110	F3.10	F-C	H-420-02	BOX RESTRAINT	VT-3	NDE 4.3	N/A	X				4.3-28	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000070	C5.21	C-F	14-FWA-2401-7	ELBOW TO PIPE	MT	NDE 2.2	N/A	X				2.2-24	
000080	C5.31	C-F	14-FWA-2401-8	PIPE TO WELD-O-LET	MT	NDE 2.2	N/A	X				2.2-23	
000110	C5.21	C-F	14-FWA-2401-11	ELBOW TO PIPE	MT	NDE 2.2	N/A		X			2.2-10	(1) LINEAR
000111	C5.21	C-F	14-FWA-2401-11	ELBOW TO PIPE	UT	NDE 5.2	UT-20	X				5.2-8 & 9	INCORRECT TRA
000180	C5.21	C-F	14-FWA-2401-18	PIPE TO ELBOW	MT	NDE 2.2	N/A	X				2.2-14	
000090	C5.21	C-F	14-FWA-2401-9	PIPE TO PEN. # 27A	MT	NDE 2.2	N/A	X				2.2-13	
000091	C5.21	C-F	14-FWA-2401-9	PIPE TO PEN. # 27A	UT	NDE 5.2	UT-20	X				5.2-8 & 9	
111030	F3.10	F-C	4-FWH-15	SPRING SUPPORT	VT-3	NDE 4.3	N/A		X			4.3-2	LOOSE NUTS
111031	F3.50	F-C	4-FWH-15	SPRING SUPPORT	VT-4	NDE 4.3	N/A		X			4.3-2	LOOSE NUTS
000071	C5.21	C-F	14-FWA-2401-7	ELBOW TO PIPE	UT	NDE 5.2	UT-20		X			5.2-12 &13	1 GEO, 1 ID S
111041	F3.50	F-C	4-FWH-16	SPRING SUPPORT	VT-4	NDE 4.3	N/A		X			4.3-3	VERIFY SETTIN
111050	F3.10	F-C	4-FWH-17	SPRING SUPPORT	VT-3	NDE 4.3	N/A	X				4.3-30	
111051	F3.50	F-C	4-FWH-17	SPRING SUPPORT	VT-4	NDE 4.3	N/A	X				4.3-30	
111060	F3.10	F-C	4-FWH-18	VARIBLE SPRING	VT-3	NDE 4.3	N/A	X				4.3-29	
111061	F3.50	F-C	4-FWH-18	VARIBLE SPRING	VT-4	NDE 4.3	N/A	X				4.3-29	
000270	N/A	N/A	BASE METAL	1 PIPE DIA. ON ELBOW	UT	NDE 5.16	UT-20	X				5.16-4	
000280	N/A	N/A	BASE METAL	PIPE BASE METAL 100%	UT	NDE 5.16	UT-20	X				5.16-4	
000181	C5.21	C-F	14-FWA-2401-18	PIPE TO ELBOW	UT	NDE 5.2	UT-20	X				5.2-8 & 9	
000210	C5.21	C-F	14-FWA-2401-21	ELBOW TO PIPE	MT	NDE 2.2	N/A	X				2.2-4	
000211	C5.21	C-F	14-FWA-2401-21	ELBOW TO PIPE	UT	NDE 5.2	UT-20	X				5.2-1	
111040	F3.10	F-C	4-FWH-16	SPRING SUPPORT	VT-3	NDE 4.3	N/A		X			4.3-3	VERIFY SETTIN
000231	C5.21	C-F	14-FWA2401-FW3A	ELBOW TO PIPE	UT	NDE 5.16	UT-20			X		5.16-3	COUNTERBORE
000240	C5.21	C-F	14-FWA2401-FW2A	PIPE TO REDUCER	MT	NDE 2.2	N/A	X				2.2-2	
000241	C5.21	C-F	14-FWA2401-FW2A	PIPE TO REDUCER	UT	NDE 5.16	UT-20	X				5.16-3	
000250	C5.21	C-F	18-FWA2401-FW1A	RED TO NOZ. EXT.	MT	NDE 2.2	N/A	X				2.2-1	
000251	C5.21	C-F	18-FWA2401-FW1A	RED TO NOZ. EXT.	UT	NDE 5.16	UT-29	X				5.16-4	
000290	N/A	N/A	BASE METAL	RED TO NOZ RAMP	UT	NDE 5.16	UT-29	X				5.16-4	
000230	C5.21	C-F	14-FWA2401-FW3A	ELBOW TO PIPE	MT	NDE 2.2	N/A	X				2.2-3	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000171	C5.21	C-F	18-FWB2402-FW19	RED TO NOX EXT	UT	NDE 5.16	UT-29	X				5.16-2	
000151	C5.21	C-F	14-FWB2402-FW17	ELBOW TO PIPE	UT	NDE 5.16	UT-20	X				5.16-1	
000161	C5.21	C-F	14-FWB2402-FW18	PIPE TO REDUCER	UT	NDE 5.16	UT-20	X				5.16-1	
000200	N/A	N/A	BASE METAL	PIPE BASE METAL	UT	NDE 5.16	UT-20	X				5.16-2	
000210	N/A	N/A	BASE METAL	RED TO NOZ RAMP	UT	NDE 5.16	UT-29	X				5.16-1 &2	
000190	N/A	N/A	BASE METAL	1 PIPE DIA ON ELBOW	UT	NDE 5.16	UT-20	X				5.16-1 & 2	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000190	N/A	N/A	BASE METAL	1 PIPE DIA.ON ELBOW	UT	NDE 5.16	UT-20	X				5.16-3	
000151	C5.21	C-F	14-FWC2403-FW3C	ELBOW TO PIPE	UT	NDE 5.16	UT-20			X		5.16-3	ID GEOMETRY
000200	N/A	N/A	BASE METAL	PIPE BASE METAL	UT	NDE 5.16	UT-29	X				5.16-3	
000171	C5.21	C-F	18-FWC2403-FW1C	RED TO NOZ EXT.	UT	NDE 5.16	UT-29	X				5.16-4	
000161	C5.21	C-F	14-FWC2403-FW2C	PIPE TO REDUCER	UT	NDE 5.16	UT-20	X				5.16-3	
000210	N/A	N/A	BASE METAL	RED TO NOZ RAMP	UT	NDE 5.16	UT-29	X				5.16-4	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000010	C5.11	C-F	6-AFW-2401-1	VLV 4-132 TO ELBOW	MT	NDE 2.2	N/A	X				2.2-16	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
120020	F3.10	F-C	4-ACH-149	WELDED SUPPORT	VT-3	NDE 4.3	N/A	X				4.3-13	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
121030	F3.10	F-C	4-ACH-123	DOUBLE ACTING REST.	VT-3	NDE 4.3	N/A	X				4.3-14	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
122060	F3.10	F-C	SR-679	DOUBLE ACTING REST.	VT-3	NDE 4.3	N/A	X				4.3-34	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
125070	F3.10	F-C	4-ACH-198	DOUBLE ACTING REST.	VT-3	NDE 4.3	N/A	X				4.3-46	
125010	F3.10	F-C	NO IDENT.	DOUBLE ACTING REST.	VT-3	NDE 4.3	N/A	X				4.3-45	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
129040	F3.10	P-C	4-ACH-50	RESTRAINT	VT-3	NDE 4.3	N/A		X			4.3-48	LOOSE & NO LO

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
133041	F3.50	F-C	4-ACH-208	SPRING HANGER	VT-4	NDE 4.3	N/A	X				4.3-33	
133040	F3.10	F-C	4-ACH-208	SPRING HANGER	VT-3	NDE 4.3	N/A	X				4.3-33	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
139040	F3.10	F-C	SR-708	DOUBLE ACTING REST.	VT-3	NDE 4.3	N/A		X			4.3-47	THREAD ENGAGE

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
142020	F3.10	F-C	4-CCH-57	DOUBLE ACTING REST.	VT-3	NDE 4.3	N/A	X				4.3-56	
142030	F3.10	F-C	4-CCH-67	RESTRAINT	VT-3	NDE 4.3	N/A	X				4.3-17	

ZONE NO 146
ISOMETRIC NO MCI-C-28
SYSTEM CCW

TURKEY POINT NUCLEAR POWER PLANT UNIT NO. 4
1986 REFUELING OUTAGE
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146030	F3.10	F-C	PS-1	RESTRAINT	VT-3	NDE 4.3	N/A	X				4.3-18	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
148030	F3.10	F-C	4-CCH-41	DOUBLE ACTING REST.	VT-3	NDE 4.3	N/A	X				4.3-53	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
149090	F3.10	F-C	4-CCH-37	DOUBLE ACTING REST.	VT-3	NDE 4.3	N/A	X				4.3-54	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
150080	F3.10	F-C	4-CCH-38	DOUBLE ACTING REST.	VT-3	NDE 4.3	N/A	X				4.3-51	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
153140	F3.10	F-C	4-CCH-4	RESTRAINT	VT-3	NDE 4.3	N/A	X				4.3-35	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
156060	F3.10	F-C	4-CCH-22	RESTRAINT	VT-3	NDE 4.3	N/A	X				4.3-38	
156030	F3.10	F-C	SR-668	DOUBLE ACTING REST.	VT-3	NDE 4.3	N/A	X				4.3-37	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
157010	F3.10	F-C	H-320-05	RESTRAINT	VT-3	NDE 4.3	N/A	X				4.3-44	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
158040	F3.10	F-C	H-323-02	DOUBLE ACTING REST.	VT-3	NDE 4.3	N/A	X				4.3-42	
158030	F3.10	F-C	H-323-19	DOUBLE ACTING REST.	VT-3	NDE 4.3	N/A	X				4.3-43	

ZONE NO 159
ISOMETRIC NO MCI-C-41
SYSTEM AUX FEED DISCH

TURKEY POINT NUCLEAR POWER PLANT UNIT NO. 4
1986 REFUELING OUTAGE
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159060	F3.10	P-C	H-323-03	DOUBLE ACTING REST	VT-3	NDE 4.3	N/A	X				4.3-41	
159070	F3.10	P-C	H-323-02	DOUBLE ACTING REST.	VT-3	NDE 4.3	N/A	X				4.3-40	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
163020	F3.10	F-C	H-323-22	RESTRAINT	VT-3	NDE 4.3	N/A		X			4.3-39	FROZEN BEARIN

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
164240	F3.10	F-C	H-341-03	DOUBLE ACTING REST.	VT-3	NDE 4.3	N/A	X				4.3-15	
164010	F3.10	F-C	H-341-24	DOUBLE ACTING REST	VT-3	NDE 4.3	N/A	X				4.3-16	

ZONE NO 200
ISOMETRIC NO VARIOUS
SYSTEM S/G A & B

TURKEY POINT NUCLEAR POWER PLANT UNIT NO. 4
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200100	C7.70	C-H	S/G A & B	LEVEL INDICATOR LINE	VT-2	NDE 4.2	N/A	X				4.2-1	141A,141,24-1
200200	C7.70	C-H	FEEDWATER VLVS	CV-2900	VT-2	NDE 4.2	N/A				X	4.2-2	PACKING LEAK
200300	N/A	N/A	TPCW HEX A,B,C	COVERS, HALF COUP	VT-2	NDE 4.2	N/A	X				4.2-3	ICW EXPANSION
200400	B15.70	B-P	PORV VALVES	455C ,456,551A,B,C	VT-2	NDE 4.2	N/A	X				4.2-4	PCV-455A & PC
200500	C7.70	C-H	VALVES	851C,850A,B,C,D,E,F	VT-2	NDE 4.2	N/A	X				4.2-5	851A,B 859
200600	B4.20	B-E		HEATER CONNECTIONS	VT-2	NDE 4.2	N/A	X				4.2-7	100% COMPLETE
200700	C7.70	C-H	SGB-047 & 009	VALVES	VT-2	NDE 4.2	N/A	X				4.2-8	
200800	N/A	N/A	RELIEF VALVES	1423 THRU 1431,695	VT-2	NDE 4.2	N/A	X				4.2-9	
200900	N/A	N/A	CHECK VALVES	CV-956A AND 956D	VT-2	NDE 4.2	N/A	X				4.2-10	
201000	C7.70	C-H	VALVES	CV-2902,2901,499,489	VT-2	NDE 4.2	N/A	X				4.2-11	498,488,479,4
201100	C7.70	C-H	SGWL-025	REPLACEMENT VALVE	VT-2	NDE 4.2	N/A				X	4.2-12	PACKING LEAK
201200	C7.70	C-H	SGWL-049	REPLACEMENT VALVE	VT-2	NDE 4.2	N/A	X				4.2-13	
201300	N/A	N/A	VALVES	RV-203,LCV460,RV382	VT-2	NDE 4.2	N/A	X				4.2-14	RV-715
201400	N/A	N/A	VALVES	CV-2832	VT-2	NDE 4.2	N/A	X				4.2-15	
201500	N/A	N/A	VALVES	275A,B,C,&RV-283A,C	VT-2	NDE 4.2	N/A	X				4.2-16	
201600	N/A	N/A	VALVES	702E	VT-2	NDE 4.2	N/A	X				4.2-17	
201700	B15.50	B-P	CLASS 1 SYSTEMS	DURING.RCS OVERPRES	VT-2	1004.1	N/A	X				1004.1	

ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
600000	F3.40	F-C	86 SNUBBERS	SNUBBER ATTACHMENTS	VT-3	P.M.	N/A		X			P.M. RPT	100% EXAMINED
600002	F3.50	F-C	86 SNUBBERS	SNUBBER TESTING	TESTING	P.M.	N/A		X			P.M. RPT	100% TESTED
600001	F3.50	F-C	86 SNUBBERS	SNUBBER EXAM	VT-4	P.M.	N/A		X			P.M. RPT	100% EXAMINED

ZONE NO 059
ISOMETRIC NO MCI-V-11
SYSTEM REGEN. HEAT EX.

TURKEY POINT NUCLEAR POWER PLANT UNIT NO. 4
1986 REFUELING OUTAGE
CLASS 1 SUMMARY TABLES

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ITEM NO	CODE ITEM NO	CODE CATEGORY	COMPONENT IDENTIFICATION	COMPONENT DESCRIPTION	EXAM METHOD	NDE PROCEDURE	CAL BLOCK	NRI	RI	GEO	OTHER	EXAM DATA SHEET NO	REMARKS
000520	B15.40	B-P	RGX 4E200	VISUAL DURING RCS	VT-2	10004.1	N/A	X				10004.1	NO LEAKAGE