

TURKEY POINT PLANT  
UNIT 4

1993 INSERVICE INSPECTION REPORT

Executive Summary

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

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

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

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

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

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



TURKEY POINT UNIT 4  
1993 REFUELING OUTAGE

Form NIS-1 Owners' Data Report for Inservice Inspections

## FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

Page 1 of 13

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1. Owner: Florida Power and Light Company, P.O. Box 029100,  
Miami, Florida 33102
  2. Plant: Turkey Point Nuclear Power Plant, P.O. Box 3088,  
Florida City, Florida 33034
  3. Plant Unit: 4
  4. Owner Certificate of Authorization (if required) N/A
  5. Commercial Service Date : September 7, 1973
  6. National Board Number for Unit: N/A
  7. Components Inspected:

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Steam Generator C	Westinghouse	16A-6341-3 FSGT-2993 4E210C	N/A	N-776
Reactor Coolant Pump A	Westinghouse	5-618J713	N/A	N/A
Reactor Coolant Pump B	Westinghouse	6-618J713	N/A	N/A
Regenerative Heat Exchanger	Sentry Equipment	4E200	N/A	N/A
Residual Heat Exchanger A	Bechtel	4E206A	N/A	N/A
Excess Letdown Heat Exchanger	Bechtel	4E202	N/A	N/A
Residual Heat Removal Pump A	Bechtel	4P210A	N/A	N/A
Residual Heat Removal Pump B	Bechtel	4P210B	N/A	N/A



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



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



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



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



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

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

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

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

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

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

The augmented Feedwater Nozzle piping examination program was conducted during this outage on all three Feedwater lines. The entire area from the nozzle ramp to a point one pipe diameter out on the far side of the elbow was examined with ultrasonics. Cracking was detected on all three nozzle to reducer welds. The reducers were replaced.

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

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

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

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

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

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

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

#### Class 1

##### Steam Generator "C"

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

##### Regenerative Heat Exchanger

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

##### Reactor Coolant Piping

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



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

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

#### Residual Heat Removal Piping

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

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

#### Safety Injection Piping

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

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

#### Chemical and Volume Control Piping

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

#### Other Class 1 Information

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





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

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

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

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

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

## Class 2

### Residual Heat Removal Pumps

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

### Residual Heat Removal

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

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#### Safety Injection

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

#### Containment Spray

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

#### Main Steam

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

#### Steam Generator Blowdown

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

#### Feedwater Bypass

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

#### Excess Letdown Heat Exchanger

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

#### Residual Heat Removal Heat Exchangers

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



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### Class 3

#### Component Cooling Water

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

#### Auxiliary Feedwater

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

### Augmented Examinations

#### Reactor Coolant Flywheel Examinations

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

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

#### Main Feedwater System Piping

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

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

#### Steam Generators

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

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

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



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

Owner : Florida Power and Light Company

By: John P. Hutchins Date: 8/11/93

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

#### Certificate of Inservice Inspection

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

James B. Blum  
Inspector's Signature

Date: August 18, 1993

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





TURKEY POINT UNIT 4  
1993 REFUELING OUTAGE

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

**FPL****FORM NIS-BB OWNERS' DATA REPORT FOR EDDY CURRENT EXAMINATION RESULTS**

As required by the provisions of the ASME CODE RULES

**EDDY CURRENT EXAMINATION RESULTS**

PLANT : Turkey Point Unit 4

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

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

**LOCATION OF INDICATIONS**

(20% - 100%)

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

Remarks:

**CERTIFICATION OF RECORD**

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

Florida Power &amp; Light Co.

DATE: 6-4-93

PREPARED BY:

L. M. White  
S/G EDDY CURRENT COORDINATORDATE: 6-4-93

REVIEWED BY:

James P. Oliver  
INSPECTIONS SUPERVISORDATE: 6-14-93

APPROVED BY:

K. Craig  
S/G PROGRAM MANAGER

## CUMULATIVE EXAMINATION REPORT

PTN-4

OUTAGE : 04/93

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

Page : 1 of 1

Date : 6/ 4/93

Time : 9:35 AM

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

Number of RECORDS Selected from Current Outage : 3

Number of TUBES Selected from Current Outage : 2



## CUMULATIVE EXAMINATION REPORT

PTN-4

OUTAGE : 04/93

COMPONENT : S/G B

DESCRIPTION : 20% TO 100%

Page : 1 of 1

Date : 6/ 4/93

Time : 9:35 AM

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

Number of RECORDS Selected from Current Outage : 9

Number of TUBES Selected from Current Outage : 9



## CUMULATIVE EXAMINATION REPORT

PTN-4

OUTAGE : 04/93

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

Page : 1 of 1  
Date : 6/ 4/93  
Time : 9:35 AM

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

Number of RECORDS Selected from Current Outage : 23

Number of TUBES Selected from Current Outage : 19



CUMMULATIVE DISTRIBUTION SUMMARY  
TURKEY POINT UNIT # 4  
04/93

COMPONENT : S/G A

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

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

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

Total Indications

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

Total Tubes Plugged as Preventive Maint : 0

Total Tubes Plugged .....: 16

Location Of Indications 20% to 100%

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



CUMMULATIVE DISTRIBUTION SUMMARY  
TURKEY POINT UNIT # 4  
04/93

COMPONENT : S/G B

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

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

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

Total Indications

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

Total Tubes Plugged as Preventive Maint :	0
---	---

Total Tubes Plugged .....	8
---------------------------	---

Location Of Indications 20% to 100%

Hot Leg

Cold Leg

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



CUMMULATIVE DISTRIBUTION SUMMARY  
TURKEY POINT UNIT # 4  
04/93

COMPONENT : S/G C

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

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

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

Total Indications

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

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

Location Of Indications 20% to 100%

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



TURKEY POINT UNIT 4  
1993 REFUELING OUTAGE

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

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

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT Date JANUARY 9, 1992  
Name  
P.O. BOX 029100, MIAMI, FL 33152 Sheet 1 of 2  
Address  
 2. Plant TURKEY POINT Unit 4  
Name CWO: 200099, PC/M: 88-541, PS: 90-1544  
P.O. BOX 3088, FLORIDA CITY, FL 33034 N91-0581, N91-0734, N91-0196  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by BECHTEL CONSTRUCTION, INC. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3218, FLORIDA CITY, FL 33034 Expiration Date N/A  
Address

4. Identification of System MAIN STEAM Quality Group B  
 5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

## 6. Identification of Components Repaired or Replaced and Replacement Components

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

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

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ SYSTEM IN SERVICE  
 Pressure 1650 / 852 psi Test Temp. AMBIENT / 500 Degree's F

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



## FORM NIS-2 (Back)

9. Remarks Examinations performed by FPL Construction Quality Control personnel.  
Applicable Manufacturer's Data Reports to be attached  
ALL WELDING WAS PERFORMED IN ACCORDANCE WITH THE FPL WELD CONTROL  
MANUAL AND SITE PROCEDURES.  
INVOKED ASME CODE CASE N-416 FOR THE HYDROTEST FOLLOWING THE INSTALLATION.

## CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J. Marchese Date 1/16, 1992  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

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

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

[Signature]  
Inspector's Signature  
January 17 1992

Commissions 8230 Factory Mutual System  
(N) (1)  
National Board, State, Province, and Endorsements

**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 JANUARY 9, 1992  
Name  
P.O. BOX 029100, MIAMI, FL 33152  
Address
2. Plant TURKEY POINT Unit 4  
Name CWO: 200099, PC/M: 88-541, PS: 90-1544  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address N91-0581, N91-0734, N91-0196  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by BECHTEL CONSTRUCTION, INC. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3218, FLORIDA CITY, FL 33034  
Address Expiration Date N/A
4. Identification of System MAIN STEAM
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work \_\_\_\_\_



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

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT  
NameDate JANUARY 14, 1992P.O. BOX 029100, MIAMI, FL 33152  
AddressSheet 1 of 12. Plant TURKEY POINT  
NameUnit 4P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address

CWO: 300137 PC/M: 88-249

MPIL: 90-205M

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

3. Work Performed by BECHTEL CONSTRUCTION, INC.  
NameType Code Symbol Stamp N/AAuthorization No. N/AP.O. BOX 3218, FLORIDA CITY, FL 33034  
AddressExpiration Date N/A4. Identification of System RESIDUAL HEAT REMOVAL Quality Group B5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

## 6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work REPLACED VALVE AT TAG LOCATION 4-887 DUE TO EXCESSIVE SEAT LEAKAGE, AND ASSOCIATED PIPING. ALSO MODIFIED SUPPORTS 4-SIH-15, 4-SIH-19, 4-SIH-25, SR-633 AND SUPPORT "A" TO MEET DESIGN.8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐Pressure 250 / 750 psiTest Temp. AMBIENT Degree's F

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

## FORM NIS-2 (Back)

9. Remarks Examinations performed by FPL Construction Quality Control personnel.Applicable Manufacturer's Data Reports to be attachedALL WELDING WAS PERFORMED IN ACCORDANCE WITH THE FPL WELD CONTROLMANUAL AND SITE PROCEDURES.

## CERTIFICATION OF COMPLIANCE

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

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

Signed *J. Marchese* Date 1/16, 1992  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

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

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

*James H. Blair*  
Inspector's Signature  
Date January 17 1992

Commissions 8230 Factory Mutual System  
(N) (1)  
National Board, State, Province, and Endorsements

*BB*

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

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT Date JANUARY 14, 1992  
Name  
P.O. BOX 029100, MIAMI, FL 33152 Sheet 1 of 2  
Address
2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034 CWO: 200093, PC/M: 90-221  
Address PS: 90-1590, MPIL: 90-255M  
 Repair Organization P.O. No., Job No., etc.
3. Work Performed by BECHTEL CONSTRUCTION, INC. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3218, FLORIDA CITY, FL 33034 Expiration Date N/A  
Address
4. Identification of System REACTOR COOLANT Quality Group A
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

## 6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work REMOVED EXISTING RESISTANCE TEMPERATURE DETECTOR (RTD) BYPASS MANIFOLDPIPING, VALVES, SUPPORTS AND MECHANICAL SHOCK ARRESTORS.8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ N/A

Pressure \_\_\_\_\_ psi

Test Temp. \_\_\_\_\_ Degree's F

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

## FORM NIS-2 (Back)

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

## CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Joe Marchese Date 1/16, 1992  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period December 1990 to May 1991, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

James B. Blais Commissions 8230 Factory Mutual System  
Inspector's Signature (N) (1)  
Date January 17 1992 National Board, State, Province, and Endorsements

BH

**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 JANUARY 14, 1992  
Name  
P.O. BOX 029100, MIAMI, FL 33152  
Address
2. Plant TURKEY POINT Unit 4  
Name CWO: 200093, PC/M: 90-221  
P.O. BOX 3088, FLORIDA CITY, FL 33034 PS: 90-1590, MPIL: 90-255M  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by BECHTEL CONSTRUCTION, INC. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3218, FLORIDA CITY, FL 33034 Expiration Date N/A  
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_





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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

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

Date January 14, 1992

Sheet 1 of 1

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

Unit 4

PWO: 0715 PCM# 87-225

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

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Feedwater Quality Group B

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

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

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

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

Pressure 2000 psi Test Temp. 88 Degree's F

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

92-008-4

## FORM NIS-2 (Back)

9. Remarks All welding was performed in accordance with the FPL Weld Control Manual and site  
procedures.  
Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *John M. Smith Services Corp.* Date 1/22, 1992  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

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

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

*James H. Blum*  
Inspector's Signature

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

*January 5, 1992*

1313

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

As Required by the Provisions of the ASME Code Section XI

Page 1 of 2

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

Date March 2, 1992

Sheet 1 of 1

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

Unit 4

PWO: 1217 WA#910712140425

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

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Intake Cooling Water Quality Group C

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Gate Valve	N/A	N/A	N/A	4-50-377	EST. 1970	Replaced	No
Gate Valve	Jenkins	N/A	N/A	4-50-377	1991	Replacement	No

7. Description of Work Replaced valve at tag location 4-50-377 due to excessive seat leakage.

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

Pressure 6 psi Test Temp. 78 Degree's F

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

92-009-4

## FORM NIS-2 (Back)

9. Remarks Mechanical connection, No welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

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

Signed *[Signature]* *Mark P. H. Lewis* Date 7/11, 19 92  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

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

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

*[Signature]*  
Inspector's Signature

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

*[Signature]*  
April 14 1992

*BB*

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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

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

Date March 23, 1992

Sheet 1 of 1

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

Unit 4

PWO: 2256 WA# 901009141716

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

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

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

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Butterfly Valve	Continental	N/A	N/A	4-820	N/A	Replaced	No
Butterfly Valve	Posi-Seal	56943-1B	N/A	4-820	1991	Replacement	No

7. Description of Work Replaced valve at tag location 4-820 due to excessive seat leakage.

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

Pressure 65 psi Test Temp. 79 Degree's F

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

92-010-4

## FORM NIS-2 (Back)

9. Remarks Mechanical connection, No welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

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

Signed *[Signature]* *Mark Puffert-Service* Date 3/25, 19 92  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

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

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

*[Signature]*  
Inspector's Signature

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

*March 26* 19 *92*

*BB*

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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

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

Date March 23, 1992

Sheet 1 of 1

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

Unit 4

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

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

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

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work Replaced Cylinder Block on Charging Pump 4P201A

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

Pressure 2350 psi Test Temp. 146 Degree's F

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

92-011-4



## FORM NIS-2 (Back)

9. Remarks Mechanical connection, No welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned *Mark Duffel* Date 3/26/92, 19 92  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

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

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

*Samuel B. Glen*  
Inspector's Signature

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

March 26, 92  
Date

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

As Required by the Provisions of the ASME Code Section XI

Page 1 of 2

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

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

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

Date March 24, 1992

Sheet 1 of 1

Unit 4

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Reactor Coolant System Quality Group A

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pzr.Safety Valve	Crosby	N/A	N/A	RV-4-551A	N/A	Replaced	No
Pzr.Safety Valve	Crosby	N/A	N/A	RV-4-551A	N/A	Replacement	No

7. Description of Work Replaced (8) Studs and (16) Nuts.

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

Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

92-012-4

# FORM NIS-2 (Back)

Page 2 of 2

9. Remarks Mechanical connection, No welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 3/20 19 92  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA.

have inspected the components described in this Owner's Report during the period July 24, 1990 to July 29, 1991, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

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

March 26, 92

B/B

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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT Date March 30, 1992  
Name  
P.O. BOX 029100, MIAMI, FL 33102  
Address

2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address PWO: 2270 WA# 920108163430  
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT Type Code Symbol Stamp N/A  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address Authorization No. N/A  
Expiration Date N/A

4. Identification of System Intake Cooling Water Quality Group C

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Gate Valve	Jenkins Valve	N/A	N/A	3-50-364	1989	Replaced	No
Gate Valve	Jenkins Valve	N/A	N/A	3-50-364	1991	Replacement	No

7. Description of Work Replaced valve at tag location 3-50-364 due to excessive seat leakage.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐  
Pressure 5 psi Test Temp. 78 Degree's F

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

92-013-4

## FORM NIS-2 (Back)

Page 2 of 2

9. Remarks Mechanical connection, No welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned [Signature] Date 1/1 19 92  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

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

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

[Signature]  
Inspector's Signature

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

April 14 19 92

15/15

**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 April 29, 1992  
Name  
P.O. BOX 029100, MIAMI, FL 33152 Sheet 1 of 1  
Address  
 2. Plant TURKEY POINT Unit 4  
Name CWO: 500820 PC/M: 89-059  
P.O. BOX 3088, FLORIDA CITY, FL 33034 MPIL NO. 92-036M, N-88-0165  
Address Repair Organization P.O. No., Job No., etc.  
 3. Work Performed by BECHTEL CONSTRUCTION, INC. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3218, FLORIDA CITY, FL 33034 Expiration Date N/A  
Address

4. Identification of System RESIDUAL HEAT REMOVAL Quality Group B  
 5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

## 6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work REPLACED UNIDENTIFIED SUPPORT WITH NEW SUPPORT TB-1

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ N/A  
 Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

## FORM NIS-2 (Back)

Remarks

Examinations performed by FPL Construction Quality Control personnel.

Applicable Manufacturer's Data Reports to be attached

ALL WELDING WAS PERFORMED IN ACCORDANCE WITH THE FPL WELD CONTROL

MANUAL AND SITE PROCEDURES.

## CERTIFICATION OF COMPLIANCE

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

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

Signed L. Huenigan for J. Marchese Services MGA. Date 4/30, 19 92  
 Owner or Owner's Designee, Title site const.

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by

Arkwright Mutual Insurance Company of Norwood, MA

have inspected the components described in this Owner's Report during the period March 1, 1992 to April 30, 1992, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

[Signature]  
 Inspector's Signature

Commissions

8230 Factory Mutual System  
 (N) (1)  
 National Board, State, Province, and Endorsements

Date April 30 19 92

BB

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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT

Date August 18, 1992

P.O. BOX 029100, MIAMI, FL 33102

Sheet 1 of 1

2. Plant TURKEY POINT

Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034

PWO: 2343 WA# 920530 1257 10

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

3. Work Performed by FLORIDA POWER & LIGHT

Type Code Symbol Stamp N/A

P.O. BOX 3088, FLORIDA CITY, FL 33034

Authorization No. N/A

Expiration Date N/A

4. Identification of System Intake Cooling Water

Quality Group C

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Gate Vlv	Jenkins	R92-0704	N/A	4-50-377	Unk.	Replaced	No
Gate Vlv	Jenkins	R92-0412	N/A	4-50-377	Unk.	Replacement	No

7. Description of Work Replaced valve at tag location 4-50-377 due to excessive seat leakage

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

Pressure 6 psi Test Temp, 89 Degree's F

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

92-015-4



# FORM NIS-2 (Back)

Page 2 of 2

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 8/17, 19 93  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSURANCE INSPECTION

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

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

[Signature]  
Inspector's Signature

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

Date 8/18 19 93

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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

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

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

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

Date 30 SEPT 1992

Sheet 1 of 1

Unit 4

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

Type Code Symbol Stamp \_\_\_\_\_

Authorization No. \_\_\_\_\_

Expiration Date \_\_\_\_\_

4. Identification of System INTAKE COOLING WATER Quality Group C
5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
20 INCH SPOOL PIECE	UNKNOWN	UNKNOWN	N/A	NONE	UNK.	REPLACED	NO
20 INCH SPOOL PIECE	SOUTHEASTERN MUNICIPAL	NONE	N/A	NONE	UNK.	REPLACEMENT	NO

7. Description of Work TAP REPAIR ON OLD SPOOL PIECE FAILED REQUIRING A REPLACEMENT

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

Pressure 4.5 psi Test Temp. 86 Degree's F

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

016 9-30-92  
 92-0117-4

## FORM NIS-2 (Back)

9. Remarks MECHANICAL CONNECTION, NO WELDING PERFORMED

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned Michael P. Wolf MAINT MGR Date 9/30 19 92  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA.

have inspected the components described in this Owner's Report during the period 21 Nov 1991 to 13 Aug 1992, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

James H. Martin  
Inspector's Signature

Commissions

Factory Mutual System  
8230 (N) (I)

National Board, State, Province, and Endorsements

Date Sept 30 19 92

134

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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

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

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

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

Date 10/20/92

Sheet 1 of 1

Unit 1

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4 Identification of System RHR Quality Group B

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work REPAIRED BY WELDING

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

Pressure 750 psi Test Temp. 108 Degree's F

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

92-017-4

## FORM NIS-2 (Back)

Page 2 of 2

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

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp \_\_\_\_\_ N/A \_\_\_\_\_

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

Signed [Signature] MAINT. MGR Date 10/20 19 92  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel  
 Inspectors and the State or Province of Dade County, Florida and employed by  
Arkwright Mutual Insurance Company of Norwood, MA.

have inspected the components described in this Owner's Report during the period OCTOBER 14, 1992  
 to OCTOBER 19, 1992 and state that to the best of my knowledge and belief,  
 the Owner has performed examinations and taken corrective measures described in this Owner's Report  
 in accordance with the requirements of ASME Code, Section XI.

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

[Signature]  
 Inspector's Signature

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

10/20 19 92

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

As Required by the Provisions of the ASME Code Section XI

Page 1 of 2

1. Owner FLORIDA POWER & LIGHT Date May 7, 1993  
Name  
P.O. BOX 029100, MIAMI, FL 33102  
Address

2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address WO# 92034800 PWO# 5461  
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3088, FLORIDA CITY, FL 33034 Expiration Date N/A  
Address

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Butterfly Valve	Posi-Seal	56943-1B	N/A	4-820	1991	Replaced	No
Butterfly Valve	Posi-Seal	56943-1A	N/A	4-820	1991	Replacement	No

7. Description of Work Replaced valve at tag location 4-820 due to excessive seat leakage.

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐  
 Pressure 168 psi Test Temp. 76.6 Degree's F

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

93-001-4

# FORM NIS-2 (Back)

Page 2 of 2

9. Remarks Mechanical connection, no welding performed. Hydrostatic test #04-SFPC-3326-H-03

Applicable Manufacturer's Data Reports to be attached

used to meet pressure test requirements

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Mark Ruffolo, Senior Eng* Date 5/11, 19 93  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

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

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

*James B. Sten*  
Inspector's Signature

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

Date May 10 19 93

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

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT Date April 20, 1993  
Name  
P.O. BOX 029100, MIAMI, FL 33152  
Address
2. Plant TURKEY POINT Unit 4  
Name CWO: 300567 PCM: 91-200  
P.O. BOX 3088, FLORIDA CITY, FL 33034 MPIL: 92-141M WO: 92050608  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by BECHTEL CONSTRUCTION, INC. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3218, FLORIDA CITY, FL 33034 Expiration Date N/A  
Address
4. Identification of System REACTOR COOLANT SYSTEM
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SUPPORT ON RCS SYSTEM	NA	NA	NA	SR-400	EST 1970	REPLACEMENT	NO

7. Description of Work REPLACED SPRING CAN SUPPORT MARK #SR-400 I/A/W PC/H 91-200
- 
- 

93-002-4



## FORM NIS-2 (Back)

9. Remarks EXAMINATIONS PERFORMED BY FPL CONSTRUCTION QUALITY CONTROL PERSONNELApplicable Manufacturer's Data Reports to be attached

## CERTIFICATION OF COMPLIANCE

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

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

Signed Donald D. Smith Date 4-22, 1993  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period 4/13/93 to 4/20/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

Sumit K. Das  
Inspector's Signature

Commissions NB

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

Date April 23, 1993

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

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT Date MAY 1, 1993  
Name  
P.O. BOX 029100, MIAMI, FL 33152  
Address
2. Plant TURKEY POINT Sheet 1 of 2  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address
3. Work Performed by BECHTEL CONSTRUCTION, INC. Unit 4  
Name  
P.O. BOX 3218, FLORIDA CITY, FL 33034  
Address
4. Identification of System REACTOR COOLANT SYSTEM
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SGC4E210C	WESTINGHOUSE	NA	NA	ITEM # 651B293	EST 1970	REPLACED	NO

7. Description of Work REPLACED 5 PRIMART MAN WAY BOLTS ON STEAM GENERATOR "C" : COLD LEG  
#7, 8, 10, 12 and HOT LEG # 12

## FORM NIS-2 (Back)

9. Remarks EXAMINATIONS PERFORMED BY FPL CONSTRUCTION QUALITY CONTROL PERSONNEL

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned *J. Marchese* Date 5.21, 19 93  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period 4/28/93 to 5/1/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

*[Signature]*  
Inspector's Signature

Commissions

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

Date May 24 19 93

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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT

Date 05/03/93

P.O. BOX 029100, MIAMI, FL 33102

Sheet 1 of 1

2. Plant TURKEY POINT

Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034

CWO:501031, WO: 93012484, CR93-0341

3. Work Performed by BECHTEL CONSTRUCTION, INC.

Type Code Symbol Stamp N/A

P.O. BOX 3218, FLORIDA CITY, FL 33034

Authorization No. N/A

Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL

Quality Group 8

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
MSA	N/A	N/A	N/A	MSA 4-1016	N/A	Replaced	No
MSA	PSA	N/A	N/A	MSA 4-1016	N/A	Replacement	No

7. Description of Work REPLACED PSA-10 TRANSITION TUBE TO SNUBBER BOLTS (4 BOLTS) ON SNUBBER 4-1016

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

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

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

93-008-4

# FORM NIS-2 (Back)

Page 2 of 2

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

## STATEMENT OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Marchese Jr. Date 8/17, 19 93  
Owner or Owner's Designee, Title

## STATEMENT OF INSPECTOR INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA.

have inspected the components described in this Owner's Report during the period 30 APRIL 93 to 1 MAY 93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

[Signature] Commissions Factory Mutual System  
Inspector's Signature 8230 (N) (I)  
National Board, State, Province, and Endorsements  
 Date 8/18 19 93

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

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT Date 5/3/93  
Name  
P.O. BOX 029100, MIAMI, FL 33152  
Address
2. Plant TURKEY POINT Sheet 1 of 1  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address
3. Work Performed by BECHTEL CONSTRUCTION, INC. Unit 4  
Name  
P.O. BOX 3218, FLORIDA CITY, FL 33034  
Address
4. Identification of System RHR
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
RHR PIPING	NA	NA	NA	SR-2	EST 1970	REPLACED	No

7. Description of Work REPLACED TRANSITION TUBE PER NCR-91-0279 MODIFIED FRONT BRACKET  
PER CR-93-359

## FORM NIS-2 (Back)

9. Remarks

ALL WELDING PERFORMED PER FPL WELD CONTROL MANUAL.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed J. Marchese FPL-CSM Date 5/04, 19 93  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

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

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

James H. Blum  
Inspector's Signature

Commissions

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

Date May 5 19 93

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

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT Date 04/30/93  
Name  
P.O. BOX 029100, MIAMI, FL 33152 Sheet 1 of 2  
Address
2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034 93008781 CNO: 501038  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by BECHTEL CONSTRUCTION INC. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3218, FLORIDA CITY, FL 33034 Expiration Date N/A  
Address
4. Identification of System ICW SYSTEM
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
4-50-350	HENRY PRATT	NA	NA	NA	NA	REPLACED	NO
4-50-350	HENRY PRATT	7-61465-1	NA	TRITON XR-70	1986	REPLACEMENT	NO
1- $\frac{1}{4}$ " STUD (3)	NA	NA	NA	NA	EST 1970	REPLACED	NO
1- $\frac{1}{4}$ " STUD (3)	NA	NA	NA	R92-5338	1993	REPLACEMENT	NO

7. Description of Work REPLACED EXISTING 30" BUTTERFLY VALVE
- 
-



## FORM NIS-2 (Back)

9. Remarks

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

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION OF COMPLIANCE

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

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

Signed [Signature] Date 5/24/93, 19 93  
Owner or Owner's Designee, Title Construction Supervisor

## CERTIFICATE OF INSERVICE INSPECTION

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

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

[Signature]  
 Inspector's Signature

Commissions

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

Date May 22 19 93

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

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT Date 04/16/93  
Name  
P.O. BOX 029100, MIAMI, FL 33152 Sheet 1 of 2  
Address
2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034 93010174 CW0: 501038  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by BECHTEL CONSTRUCTION, INC. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3218, FLORIDA CITY, FL 33034 Expiration Date N/A  
Address
4. Identification of System ICM SYSTEM
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
4-50-340	HENRY PRATT	2463-1R	NA	NA	1970	REPLACED	NO
4-50-340	HENRY PRATT	S0270-1-1	NA	TRITON XR -70	1992	REPLACEMENT	NO
1- $\frac{1}{2}$ " STUDS (16)	NA	NA	NA	NA	EST. 1970	REPLACED	NO
1- $\frac{1}{2}$ " STUDS (16)	NA	NA	NA	R92-5338	1992	REPLACEMENT	NO

7. Description of Work REPLACED EXISTING 30" BUTTERFLY VALVE

## FORM NIS-2 (Back)

9. Remarks

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

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

*J. Marchese*

Date

5/20/93

19

Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

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

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

*James H. Black*  
 Inspector's Signature

Commissions

8230

FACTORY MUTUAL ENGINEERING ASSOCIATION

(N) (1)

National Board, State, Province, and Endorsement

Date

May 21 1993

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

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT Date 05/02/93  
Name  
P.O. BOX 029100, MIAMI, FL 33152 Sheet 1 of 2  
Address
2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034 93006364 CWO: 501038  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by BECHTEL CONSTRUCTION, INC. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3218, FLORIDA CITY, FL 33034 Expiration Date N/A  
Address
4. Identification of System ICW SYSTEM
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1- $\frac{1}{2}$ " STUD (3)	NA	NA	NA	NA	1970	REPLACED	NO
1- $\frac{1}{2}$ " STUD (3)	NA	NA	NA	R87-6683	1987	REPLACEMENT	NO
1- $\frac{1}{2}$ " STUD (15)	NA	NA	NA	NA	1970	REPLACED	NO
1- $\frac{1}{2}$ " STUD (15)	NA	NA	NA	R92-4775	1992	REPLACEMENT	NO
1- $\frac{1}{2}$ " Bolt (7)	NA	NA	NA	NA	1970	REPLACED	NO
1- $\frac{1}{2}$ " BOLT (7)	NA	NA	NA	R89-0222	1989	REPLACEMENT	NO
1- $\frac{1}{2}$ " NUT (1)	NA	NA	NA	NA	1970	REPLACED	NO
1- $\frac{1}{2}$ " NUT (1)	NA	NA	NA	R93-1208	1993	REPLACEMENT	NO
1- $\frac{1}{2}$ " NUT (17)	NA	NA	NA	NA	1970	REPLACED	NO
1- $\frac{1}{2}$ " NUT (17)	NA	NA	NA	R93-1392	1993	REPLACEMENT	NO

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

## FORM NIS-2 (Back)

9. Remarks NO WELDING PERFORMED. ALL MECHANICAL CONNECTIONS

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned J Marchese Date 5/20/93, 19 93  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA

have inspected the components described in this Owner's Report during the period March 31, 1993 to May 21, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

James B. Shen  
Inspector's Signature

Commissions

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

Date May 21 19 93

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

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT Date 05/04/93  
Name  
P.O. BOX 029100, MIAMI, FL 33152 Sheet 1 of 1  
Address
2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034 CWO: 501031, W/O: 93012856, CR-93-349  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by BECHTEL CONSTRUCTION, INC. "Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3218, FLORIDA CITY, FL 33034 Expiration Date N/A  
Address
4. Identification of System SYSTEM 047, CVCS
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work FILLED OUT LINEAR INDICATION ON WELD 7
- 
-

## FORM NIS-2 (Back)

9. Remarks

NO WELDING PERFORMED

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Marchese FPL-CSM* Date 5/04/93, 19 93  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

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

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

*James H. [Signature]*  
Inspector's Signature  
Date May 5 19 93

Commissions

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

# 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 05/03/93  
Name  
P.O. BOX 029100, MIAMI, FL 33152  
Address
2. Plant TURKEY POINT Sheet 1 of 1  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address Unit 4  
**CW0: 501031, W/O: 93012854, CR-93-0324**  
Repair Organization P.O. No., Job No., etc.
3. Work Performed by BECHTEL CONSTRUCTION, INC. Type Code Symbol Stamp N/A  
Name  
P.O. BOX 3218, FLORIDA CITY, FL 33034  
Address Authorization No. N/A  
Expiration Date N/A
4. Identification of System SAFETY INJECTION
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work REMOVED LINEAR INDICATION BY FILING.
- 
-



## FORM NIS-2 (Back)

9. Remarks NO WELDING PERFORMED

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION OF COMPLIANCE

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

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

Signed Marchese FPL CSM Date 5/04, 1993  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period 5/2/93 to 5/2/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

James B. Blenker  
Inspector's Signature

Commissions

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

Date May 5 1993

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

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT Date May 7, 1993  
Name  
P.O. BOX 029100, MIAMI, FL 33102  
Address

2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address  
WO# 90054278 PWO# 2864  
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT Type Code Symbol Stamp N/A  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address  
 Authorization No. N/A  
 Expiration Date N/A

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Gate Valve	Aloyco	68M3304	N/A	4-742	N/A	Replaced	No
Gate Valve	Aloyco	C1118	N/A	4-742	1992	Replacement	No

7. Description of Work Replaced valve at tag location 4-742 due to excessive seat leakage.

8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐  
 Pressure 168 psi Test Temp. 76.6 Degree's F

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

93-015-4

## FORM NIS-2 (Back)

9. Remarks All welding was performed in accordance with the FPL Weld Control Manual

Applicable Manufacturer's Data Reports to be attached

and Site Procedures. Hydrostatic test #04-SFPC-3326-H-03

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *[Signature]*

*Mark Dufford Senior Safety*  
Owner or Owner's Designee, Title

Date 5/11, 1993

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by

Arkwright Mutual Insurance Company of Norwood, MA.

have inspected the components described in this Owner's Report during the period January 8, 1993

to April 2, 1993, and state that to the best of my knowledge and belief,

the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

*[Signature]*  
Inspector's Signature

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

Date May 11 1993

135

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

As Required by the Provisions of the ASME Code Section XI

# 93-016-4

1. Owner FLORIDA POWER & LIGHT Date 5/12/93  
Name  
P.O. BOX 029100, MIAMI, FL 33152 Sheet 1 of 1  
Address
2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034 CR-93-415, W/O 9301263, CLX 701031  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by BECHTEL CONSTRUCTION, INC. Type Code Symbol Stamp N/A  
Name  
P.O. BOX 3218, FLORIDA CITY, FL 33034 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System STEAM BLOWDOWN
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SUPPORT	N/A	N/A	N/A	761028-H-421-02 IA	EST 1971	REPAIR.	No

7. Description of Work LINEAR INDICATION AT LUG "C" REMOVED
- 
- 

93-016-4

## FORM NIS-2 (Back)

9. Remarks

NO WELDING PERFORMED

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION OF COMPLIANCE

We certify that the statements made in the report are correct and this

REPAIR

conforms

to the rules of the ASME Code, Section XI.

repair or replacement

Type Code Symbol Stamp

N/A

Certificate of Authorization No.

N/A

Expiration Date

N/A

Signed

Jm archese

Date

5/201993

Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA

have inspected the components described in this Owner's Report during the period May 10, 1993 to May 21, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

8230

FACTORY MUTUAL ENGINEERING ASS

(N) (1)

National Board, State, Province, and Endorsements

Date

May 211993

# 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 April 12, 1993  
Name  
P.O. BOX 029100, MIAMI, FL 33152 Sheet 1 of 1  
Address
2. Plant TURKEY POINT Unit 4 CWO 200207  
Name PWO 93005247 : Perm 92-075  
P.O. BOX 3088, FLORIDA CITY, FL 33034 Repair Organization P.O. No., Job No., etc.  
Address
3. Work Performed by BECHTEL CONSTRUCTION, INC. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3218, FLORIDA CITY, FL 33034 Expiration Date N/A  
Address
4. Identification of System Reactor Coolant System
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
<u>Cenoseal</u>	<u>Westinghouse</u>	<u>N/A</u>	<u>N/A</u>	<u>K201</u>	<u>1970</u>	<u>Replaced</u>	<u>NO</u>
<u>Cenoseal</u>	<u>ABB/CE</u>	<u>N/A</u>	<u>N/A</u>	<u>K201</u>	<u>1993</u>	<u>Replacement</u>	<u>NO</u>

7. Description of Work Cenoseal Upgrade Per Perm 92-075 ;  
UNIT #4. Leak test to be performed during  
PCS Over-pressure Test under WDO: 93013732  
April 5/13/93  
93-017-4

## FORM NIS-2 (Back)

9. Remarks The console upgrade was performed per  
Applicable Manufacturer's Data Reports to be attached  
the ABB CE QA/QC program in accordance  
with RTS No. 93-570 and site approved  
ABB traveler No. 2000888-001.

## CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Joseph Marchese Date 5-12, 1993  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period 4-20-93 to 5-1-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

James F. Hall  
Inspector's Signature

Commissions

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

Date May 13 1993

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

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT Date 05/12/93  
Name
- P.O. BOX 029100, MIAMI, FL 33152 Sheet 1 of 1  
Address
2. Plant TURKEY POINT Unit 4  
Name
- P.O. BOX 3088, FLORIDA CITY, FL 33034 CR-93-385, W/O: 93013371, CW0: 501031  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by BECHTEL CONSTRUCTION, INC. Type Code Symbol Stamp N/A  
Name
- P.O. BOX 3218, FLORIDA CITY, FL 33034 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System STEAM BLOWDOWN SYS # 071
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SUPPORT	NA	18014	NA	781028-R-421-01	EST 1971	REPAIR	NO

7. Description of Work MOVE EXISTING REAR BRACKET TO ACHIEVE PROPER "L" DIMENSION
- \_\_\_\_\_
- \_\_\_\_\_



## FORM NIS-2 (Back)

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

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *J. Marchese* Date 5/20/93, 19 93  
 Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period 5-10-93 to 5-11-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

*James H. Allen*  
 Inspector's Signature

Commissions

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

Date May 21 1993

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

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT Date 05/13/93  
Name  
P.O. BOX 029100, MIAMI, FL 33152 Sheet 1 of 1  
Address
2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034 CWO: 501031 CR-93-393 PCN: 93-094 W0: 93013274  
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by BECHTEL CONSTRUCTION, INC. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3218, FLORIDA CITY, FL 33034 Expiration Date N/A  
Address
4. Identification of System CVCS
5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work REPLACED SUPPORT 4-VCH-62 / REPAIRED CVCS PIPING

# 93-019-04

## FORM NIS-2 (Back)

9. Remarks ALL WELDING PERFORMED IN ACCORDANCE WITH FPL WELD CONTROL MANUAL  
 Applicable Manufacturer's Data Reports to be attached

## CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *J. Marchese* Date 5/13, 1993  
 Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA have inspected the components described in this Owner's Report during the period 5/5/93 to 5/13/93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

*James J. Blum*  
 Inspector's Signature  
 Date May 14 1993

Commissions 8230 (N) (1)  
 National Board, State, Province, and Endorsements

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

As Required by the Provisions of the ASME Code Section XI

Page 1 of 2

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

Date May 18, 1993

Sheet 1 of 1

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

Unit 4

WO# 93012089 PWO# 6253

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

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Main Steam Quality Group B

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Stop Check Vlv.	Schutte/Koertling	N/A	N/A	POV-4-2605	N/A	Replaced	No

7. Description of Work Replaced Bonnet studs and nuts.

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

Pressure                      psi Test Temp.                      Degree's F

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

93-020-4

# FORM NIS-2 (Back)

Page 2 of 2

9. Remarks Mechanical connection, no welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] WANT MGR Date 5-18, 19 93  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period April 23, 1993 to May 16, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

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

May 18 19 93

BB

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

As Required by the Provisions of the ASME Code Section XI

Page 1 of 2

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

Date May 18, 1993

Sheet 1 of 1

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

Unit 4

WO# 93012088 PWO# 6265

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

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Main Steam Quality Group B

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work Replaced Bonnet studs and nuts.

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

Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

93-021-4

# FORM NIS-2 (Back)

Page 2 of 2

9. Remarks Mechanical connection, no welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] MAINTMAN Date 5-18, 1993  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period April 23, 1993 to May 15, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

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

Date May 18 1993

1343

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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT Date May 18, 1993  
Name  
P.O. BOX 029100, MIAMI, FL 33102  
Address

2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address WO# 92032190 PWO# 9901  
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT Type Code Symbol Stamp N/A  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address Authorization No. N/A  
Expiration Date N/A

4. Identification of System Intake Cooling Water Quality Group C

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

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work Replaced valve at tag location 4-50-325.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐  
Pressure Nominal psi Test Temp, Nominal Degree's F

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

93-022-4



## FORM NIS-2 (Back)

9. Remarks Mechanical connections no welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

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

Signed [Signature] / Mech Maint Supv Date 5/19 . 19 93  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period September 17, 1992 to May 15, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

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

Date May 19 19 93

BH

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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT

Date May 19, 1993

P.O. BOX 029100, MIAMI, FL 33102

Sheet 1 of 1

2. Plant TURKEY POINT

Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034

Siemens / PO# 892691-01146

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

3. Work Performed by FLORIDA POWER & LIGHT

Type Code Symbol Stamp N/A

P.O. BOX 3088, FLORIDA CITY, FL 33034

Authorization No. N/A

Expiration Date N/A

4. Identification of System Waste Disposal

Quality Group A

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work Replaced load pin.

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

Pressure            psi Test Temp.            Degree's F

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

93-024-4

# FORM NIS-2 (Back)

Page 2 of 2

9. Remarks Original Load Pin damaged.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Mat Duffin-Saunders* Date 6/21, 19 93  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period May 1, 1993 to May 5, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

*James H. Saunders*  
Inspector's Signature  
May 24 19 93

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

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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT Date May 19, 1993  
Name  
P.O. BOX 029100, MIAMI, FL 33102  
Address

2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address Siemens / PO# 892691-01146  
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3088, FLORIDA CITY, FL 33034 Expiration Date N/A  
Address

4. Identification of System Feedwater Quality Group B

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Mech. Snubber	PSA	182	N/A	4-1035	N/A	Replaced	No
Mech. Snubber	PSA	11439	N/A	4-1035	N/A	Replacement	No

7. Description of Work Replaced PSA-10 Mechanical Snubber at tag location 4-1035.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐  
 Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

93-025-4

# FORM NIS-2 (Back)

Page 2 of 2

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

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Mark L. Lipp* Date 5/31, 1993  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period May 1, 1993 to May 12, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

*Benjamin B. Blunt*  
Inspector's Signature

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

May 24 1993

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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

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

Date May 19, 1993

Sheet 1 of 1

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

Unit 4

Siemens / PO# 892691-01146

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

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Main Steam Quality Group 8

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Mech. Snubber	PSA	4589	N/A	4-1039	N/A	Replaced	No
Mech. Snubber	PSA	6998	N/A	4-1039	N/A	Replacement	No

7. Description of Work Replaced PSA-35 Mechanical Snubber at tag location 4-1039.

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

Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

93-026-4

## FORM NIS-2 (Back)

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

## CERTIFICATE OF COMPLIANCE

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

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

Signed

John S. Johnson Mark S. Johnson  
Owner or Owner's Designee, Title

Date 5/31, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period May 1, 1993 to May 12, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

James F. Johnson  
Inspector's Signature

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

May 24 19 93  
Date

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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

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

Date May 19, 1993

Sheet 1 of 1

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

Unit 4

Siemens / PO# 892691-01146

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

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Reactor Coolant Quality Group A

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Mech. Snubber	PSA	16253	N/A	4-1054	N/A	Replaced	No
Mech. Snubber	PSA	15718	N/A	4-1054	N/A	Replacement	No

7. Description of Work Replaced PSA-10 Mechanical Snubber at tag location 4-1054.

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

Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

93-027-4



## FORM NIS-2 (Back)

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

## CERTIFICATE OF COMPLIANCE

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

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

Signed

*Monte S. Saffell, Sr.*  
 Owner or Owner's Designee, Title

Date 5/01, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period May 1, 1993 to May 5, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

*Bennie H. Saffell*  
 Inspector's Signature

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

May 24 19 93

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

As Required by the Provisions of the ASME Code Section XI

Page 1 of 2

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

Date May 19, 1993

Sheet 1 of 1

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

Unit 4

Siemens / PO# 892691-01146

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

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Reactor Coolant Quality Group A

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Mech. Snubber	PSA	11110	N/A	4-1055	N/A	Replaced	No
Mech. Snubber	PSA	7782	N/A	4-1055	N/A	Replacement	No

7. Description of Work Replaced PSA-10 Mechanical Snubber at tag location 4-1055.

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

Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

93-028-4

Applicable Manufacturer's Data Reports to be attached

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

Signed Maria S. Serrano Date 5/01, 1993  
Owner or Owner's Designee, Title

have inspected the components described in this Owner's Report during the period April 27, 1993  
to May 5, 1993 , and state that to the best of my knowledge and belief,  
the Owner has performed examinations and taken corrective measures described in this Owner's Report  
in accordance with the requirements of ASME Code, Section XI.

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

Inspector's Signature

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

Date May 24 1993

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

As Required by the Provisions of the ASME Code Section XI

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

Date May 20, 1993Sheet 1 of 1

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

Unit 4WO# 93011906 PWO# 6172

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

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

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date N/A4. Identification of System Main SteamQuality Group B5. (a) Applicable Construction Code ANSI B31.1 1955 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work Replaced Bonnet studs and nuts.8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐Pressure                      psiTest Temp.                      Degree's F

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

93-029-4

## FORM NIS-2 (Back)

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

## CERTIFICATE OF COMPLIANCE

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

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

Signed

Mark S. Safford Service Life  
Owner or Owner's Designee, Title

Date 5/22, 1993

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period April 21, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

James B. Safford  
Inspector's Signature

Commissions

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

National Board, State, Province, and Endorsements

May 22 1993

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

As Required by the Provisions of the ASME Code Section XI

Page 1 of 2

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

Date May 20, 1993

Sheet 1 of 1

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

Unit 4

WO# 92031543 PW0# 0259

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

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Main Steam Quality Group B

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work Replaced Bonnet studs and nuts.

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

Pressure                      psi Test Temp.                      Degree's F

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

93-030-4

## FORM NIS-2 (Back)

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

## CERTIFICATE OF COMPLIANCE

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

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

Signed


  
 Owner or Owner's Designee, Title
Date 5/22, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA.

have inspected the components described in this Owner's Report during the period January 14, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

  
 Inspector's Signature

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

May 22 19 93

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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT  
Name  
P.O. BOX 029 100, MIAMI, FL 33 102  
Address

Date May 20, 1993

Sheet 1 of 1

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

Unit 4

WO# 92031544 PWO# 0261

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

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Main Steam Quality Group B

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work Replaced Bonnet studs and nuts.

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

Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

93-031-4



## FORM NIS-2 (Back)

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

## CERTIFICATE OF COMPLIANCE

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

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

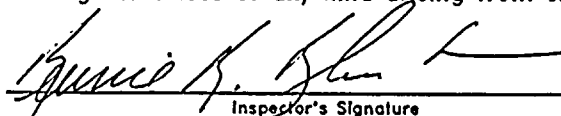
Signed

  
 Owner or Owner's Designee, Title
Date 5/22, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

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

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

  
 Inspector's Signature

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

May 22 19 93

Page 1 of 2

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

As Required by the Provisions of the ASME Code Section XI

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

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

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

Date May 20, 1993

Sheet 1 of 1

Unit 4

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Main Steam Quality Group B

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

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work Replaced Bonnet studs and nuts.

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

Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

93-032-4

## FORM NIS-2 (Back)

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

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned *Matthew J. Service* Date 5/02, 19 93  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period April 12, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

*Matthew J. Service*  
Inspector's Signature

Commissions

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

National Board, State, Province, and Endorsements

May 22 19 93

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

As Required by the Provisions of the ASME Code Section XI

Page 1 of 2

1. Owner FLORIDA POWER & LIGHT Date May 20, 1993  
Name  
P.O. BOX 029100, MIAMI, FL 33102  
Address

2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address  
WO# 92032703 PWO# 0248  
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT Type Code Symbol Stamp N/A  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address  
 Authorization No. N/A  
 Expiration Date N/A

4. Identification of System Main Steam Quality Group B

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

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐  
 Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

93-033-4

# FORM NIS-2 (Back)

Page 2 of 2

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

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Mark S. Smith* Date 5/22 19 93  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period January 5, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

*James S. Han*  
Inspector's Signature

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

May 22 19 93

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

As Required by the Provisions of the ASME Code Section XI

Page 1 of 2

1. Owner FLORIDA POWER & LIGHT Date May 20, 1993  
Name  
P.O. BOX 029100, MIAMI, FL 33102  
Address

2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address WO# 93012824 PWO# 6401  
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3088, FLORIDA CITY, FL 33034 Expiration Date N/A  
Address

4. Identification of System Main Steam Quality Group B

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Safety Valve	Consolidated	N/A	N/A	RV-4-14 12	N/A	Replaced	No

7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐  
 Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

93-034-4

# FORM NIS-2 (Back)

Page 2 of 2

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

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 5/22, 1993  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA.

have inspected the components described in this Owner's Report during the period May 1, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

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

May 22 19 93

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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT

Date May 20, 1993

P.O. BOX 029100, MIAMI, FL 33102

Sheet 1 of 1

2. Plant TURKEY POINT

Unit 4

P.O. BOX 3088, FLORIDA CITY, FL 33034

WO# 92031546 PWO# 0256

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

3. Work Performed by FLORIDA POWER & LIGHT

Type Code Symbol Stamp N/A

P.O. BOX 3088, FLORIDA CITY, FL 33034

Authorization No. N/A

Expiration Date N/A

4. Identification of System Main Steam

Quality Group B

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work Replaced Bonnet studs and nuts.

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

Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

93-035-4



## FORM NIS-2 (Back)

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

## CERTIFICATE OF COMPLIANCE

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

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

Signed

*William J. Davis*  
Owner or Owner's Designee, TitleDate 5/22, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period January 5, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

*William J. Davis*  
Inspector's Signature

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

Date May 22 19 93

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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

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

Date May 20, 1993

Sheet 1 of 1

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

Unit 4

WO# 93012821 PWO# 6404

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

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Main Steam Quality Group 8

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work Replaced Bonnet studs and nuts.

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

Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

93-036-4

## FORM NIS-2 (Back)

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

## CERTIFICATE OF COMPLIANCE

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

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

Signed



Owner or Owner's Designee, Title

Date 5/10, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by

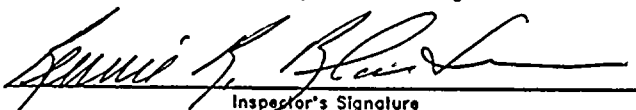
Arkwright Mutual Insurance Company of Norwood, MA.

have inspected the components described in this Owner's Report during the period May 1, 1993

to May 20, 1993, and state that to the best of my knowledge and belief,

the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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



Inspector's Signature

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

Date May 22, 93

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI

Page 1 of 2

1. Owner FLORIDA POWER & LIGHT Date May 20, 1993  
Name  
P.O. BOX 029100, MIAMI, FL 33102  
Address

2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address WO# 93012855 PWO# 6412  
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3088, FLORIDA CITY, FL 33034 Expiration Date N/A  
Address

4. Identification of System Main Steam Quality Group B

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐  
 Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

93-037-4

# FORM NIS-2 (Back)

Page 2 of 2

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

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed [Signature] Date 5/22 19 93  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period May 1, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

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

May 22 19 93

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

As Required by the Provisions of the ASME Code Section XI

Page 1 of 2

1. Owner FLORIDA POWER & LIGHT Date May 20, 1993  
Name  
P.O. BOX 029100, MIAMI, FL 33102  
Address

2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address WO# 92042443 PWO# 1757  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by FLORIDA POWER & LIGHT Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3088, FLORIDA CITY, FL 33034 Expiration Date N/A  
Address

4. Identification of System Main Steam Quality Group B

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐  
 Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

93-038-4

## FORM NIS-2 (Back)

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

## CERTIFICATE OF COMPLIANCE

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

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

Signed



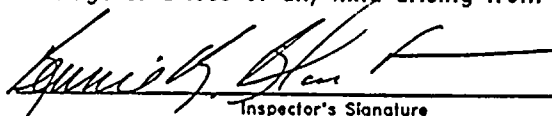
Owner or Owner's Designee, Title

Date 5/92, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period September 18, 1992 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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



Inspector's Signature

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

May 22 19 93

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

As Required by the Provisions of the ASME Code Section XI

Page 1 of 2

1. Owner FLORIDA POWER & LIGHT Date May 20, 1993  
Name  
P.O. BOX 029100, MIAMI, FL 33102  
Address

2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address WO# 93012822 PWO# 6402  
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT Type Code Symbol Stamp N/A  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address Authorization No. N/A  
 Expiration Date N/A

4. Identification of System Main Steam Quality Group B

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

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐  
 Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

93-039-4



## FORM NIS-2 (Back)

Page 2 of 2

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

## CERTIFICATE OF COMPLIANCE

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

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

Signed

John J. Francis, Nat'l Board Service Eng.  
Owner or Owner's Designee, TitleDate 5/22, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period May 1, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

James B. Sten L.  
Inspector's Signature

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

May 22 19 93

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

As Required by the Provisions of the ASME Code Section XI

Page 1 of 2

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

Date May 20, 1993

Sheet 1 of 1

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

Unit 4  
WO# 92031545 PWO# 0263  
Repair Organization P.O. No., Job No. etc.

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

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

4. Identification of System Main Steam Quality Group B

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

6. Identification of Components Repaired or Replaced and Replacement Components

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

7. Description of Work Replaced Bonnet studs and nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐  
 Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

93-040-4

# FORM NIS-2 (Back)

Page 2 of 2

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

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *John J. Lawrence* *Mark Light Service Inc.* Date 5/28, 19 93  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period January 5, 1993 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

*Samuel H. Shaw*  
Inspector's Signature

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

May 22 19 93

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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT Date May 20, 1993  
Name  
P.O. BOX 029100, MIAMI, FL 33102  
Address  
 2. Plant TURKEY POINT Sheet 1 of 1  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address  
 3. Work Performed by FLORIDA POWER & LIGHT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address  
 WO# 91058614 PWO# 2264  
Repair Organization P.O. No., Job No. etc.  
 Type Code Symbol Stamp N/A  
 Authorization No. N/A  
 Expiration Date N/A  
 4. Identification of System Chemical and Volume Control Quality Group B

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Relief Valve	Crosby	N/A	N/A	RV-4-203	N/A	Replaced	No

7. Description of Work Replaced two (2) bonnet studs and one (1) nut.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐  
 Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

93-041-4

## FORM NIS-2 (Back)

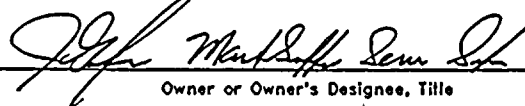
9. Remarks Replaced pressure retaining bolting, no welding performed.Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

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

Signed



Owner or Owner's Designee, Title

Date 5/22, 1992

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period June 26, 1992 to May 20, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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



Inspector's Signature

Commissions

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

National Board, State, Province, and Endorsements



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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

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

Date May 21, 1993

Sheet 1 of 1

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

Unit 4

WO# 92056784 PWO# 3451

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

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Reactor Coolant System Quality Group A

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Safety Valve	Crosby	1579	N/A	RV-4-55 1A	N/A	Replaced	No
Safety Valve	Crosby	1580	N/A	RV-4-55 1A	N/A	Replacement	No

7. Description of Work Replaced valve at tag location RV-4-55 1A.

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

Pressure 2280 psi Test Temp, 547 Degree's F

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

93-042-4

## FORM NIS-2 (Back)

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

## CERTIFICATE OF COMPLIANCE

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

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

Signed

John P. Martin, Jr. Service Rep.  
 Owner or Owner's Designee, Title

Date 5/88, 19 93

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period December 3, 1993 to May 21, 1993 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

James H. Allen  
 Inspector's Signature

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

May 22 19 93

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI

Page 1 of 2

1. Owner FLORIDA POWER & LIGHT Date May 21, 1993  
Name  
P.O. BOX 029100, MIAMI, FL 33102  
Address

2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address WO# 92056778 PWO# 3448  
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3088, FLORIDA CITY, FL 33034 Expiration Date N/A  
Address

4. Identification of System Reactor Coolant System Quality Group A

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Safety Valve	Crosby	N69877000004	N/A	RV-4-55 1B	N/A	Replaced	No
Safety Valve	Crosby	N69877010008	N/A	RV-4-55 1B	N/A	Replacement	No

7. Description of Work Replaced valve at tag location RV-4-55 1B.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒ X  
 Pressure 2280 psi Test Temp, 547 Degree's F

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

93-043-4



## FORM NIS-2 (Back)

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

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned *Mark L. L. Dennis* Date 5/22, 19 93  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by

Arkwright Mutual Insurance Company of Norwood, MA.have inspected the components described in this Owner's Report during the period December 3, 1993to May 21, 1993, and state that to the best of my knowledge and belief,

the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

*James H. Blar*  
Inspector's Signature

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

May 22 1993

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

As Required by the Provisions of the ASME Code Section XI

Page 1 of 2

1. Owner FLORIDA POWER & LIGHT Date May 21, 1993  
Name  
P.O. BOX 029100, MIAMI, FL 33102  
Address

2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address WO# 92056783 PWO# 3449  
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
P.O. BOX 3088, FLORIDA CITY, FL 33034 Expiration Date N/A  
Address

4. Identification of System Reactor Coolant System Quality Group A

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Safety Valve	Crosby	1581	N/A	RV-4-551C	N/A	Replaced	No
Safety Valve	Crosby	N69877010009	N/A	RV-4-551C	N/A	Replacement	No

7. Description of Work Replaced valve at tag location RV-4-551C.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒  
 Pressure 2280 psi Test Temp, 547 Degree's F

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

93-044-4

## FORM NIS-2 (Back)

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

## CERTIFICATE OF COMPLIANCE

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

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

Signed



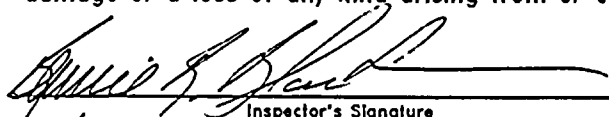

Owner or Owner's Designee, Title

Date 5/22, 1993

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period December 3, 1993 to May 21, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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



Inspector's Signature

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

Date May 22 19 93

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

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT  
Name

Date 5-21-93

P.O. BOX 029100, MIAMI, FL 33152  
Address

Sheet 1 of 1

2. Plant TURKEY POINT  
Name

Unit 4

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

P.O. B93965-30045 (INCLUDING CHANGE ORDERS 1,2,3)  
Repair Organization P.O. No., Job No., etc.

3. Work Performed by WELDING SERVICES INCORPORATED  
BECHTEL CONSTRUCTION INC.  
Name

Type Code Symbol Stamp N/A

2325 SKYLINE COURT 5/21/93  
202 CROSS ST, GEORGIA 30071  
P.O. BOX 3218, FLORIDA CITY, FL 33034  
Address

Authorization No. N/A

Expiration Date N/A

4. Identification of System MAIN FEEDWATER

5. (a) Applicable Construction Code B31.1 19 55 Edition, N/A Addenda, N-416 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer <sup>or Supplier</sup>	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
R93-1750 18"X14" REDUCER STM. 65J "A"	TIOGA PIPE	659 UNF	N/A	M&S # 097-11189-9	1993	REPLACEMENT	NO
B-150 18"X14" REDUCER STM. 65J "B"	TIOGA PIPE	659 UNF	N/A	M&S # 097-11189-9	1993	REPLACEMENT	NO
R93-1750 18"X14" REDUCER STM. 65J "C"	TIOGA PIPE	659 UNF	N/A	M&S # 097-11189-9	1993	REPLACEMENT	NO
R92-2020 14" SCH. 60 PIPE 6' LONG	TIOGA PIPE	A1500	N/A	M&S # 097-07689-9		REPLACEMENT	NO

7. Description of Work STEAM GENERATORS A, C: REPLACED REDUCER ON FEEDWATER PIPE

AT STEAM GENERATOR NOZZLE ; STEAM GENERATOR B: REPLACED REDUCER WITH 6"

PIECE OF PIPE ON FEEDWATER PIPE AT STEAM GENERATOR NOZZLE

NO HYDROSTATIC TEST AT THIS OUTAGE, ENVOCKED CODE CASE.  
93-045-4

## FORM NIS-2 (Back)

## 9. Remarks

Applicable Manufacturer's Data Reports to be attached

ALL WELDING WAS PERFORMED PER PROCEDURES OF WELDING

SERVICES INCORPORATED AND APPROVED BY FLORIDA POWER AND LIGHT

## CERTIFICATION OF COMPLIANCE

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

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

Signed *J. Marchese* Date 5/21, 19 93  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

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

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

*Samuel J. Glavin*  
Inspector's Signature

Commissions

8230 (N) (1)  
National Board, State, Province, and Endorsements

Date May 22, 19 93

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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT Date June 22, 1993  
Name  
P.O. BOX 029100, MIAMI, FL 33102  
Address

2. Plant TURKEY POINT Unit 4  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address WO# 92058087 PWO# 3641  
Repair Organization P.O. No., Job No. etc.

3. Work Performed by FLORIDA POWER & LIGHT Type Code Symbol Stamp N/A  
Name  
P.O. BOX 3088, FLORIDA CITY, FL 33034  
Address Authorization No. N/A  
Expiration Date N/A

4. Identification of System Reactor Coolant System Quality Group A

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Relief Valve	Copes Vulcan	N/A	N/A	PCV-4-455C	N/A	Replaced	No

7. Description of Work Replaced Bonnet Stud and Nuts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☒  
Pressure 2280 psi Test Temp. 547 Degree's F

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

93-046-4

## FORM NIS-2 (Back)

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

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned [Signature] MAINT. MGR. Date 6/23, 19 93  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period December 17, 1992 to April 26, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

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

Date June 23, 19 93

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

Page 1 of 2

As Required by the Provisions of the ASME Code Section XI

1. Owner FLORIDA POWER & LIGHT

Name

P.O. BOX 029100, MIAMI, FL 33102

Address

Date June 22, 1993

Sheet 1 of 1

2. Plant TURKEY POINT

Name

P.O. BOX 3088, FLORIDA CITY, FL 33034

Address

Unit 4

WO# 92056277 PWO# 4280

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

3. Work Performed by FLORIDA POWER & LIGHT

Name

P.O. BOX 3088, FLORIDA CITY, FL 33034

Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System Feedwater

Quality Group B

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1980, Edition, Winter 1981 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Control Valve	Copes Vulcan	N/A	N/A	FCV-4-498	N/A	Replaced	No

7. Description of Work Replaced Bonnet Studs (4) and Nuts (4).

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

Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ Degree's F

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

93-047-4



# FORM NIS-2 (Back)

Page 2 of 2

9. Remarks Replaced bolting, no welding performed.

Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed MPW- J. J. HART MGR. Date 6/23, 19 93  
Owner or Owner's Designee, Title

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Dade County, Florida and employed by Arkwright Mutual Insurance Company of Norwood, MA. have inspected the components described in this Owner's Report during the period January 19, 1993 to June 22, 1993, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

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

June 23 1993

TURKEY POINT UNIT 4  
1993 REFUELING OUTAGE

Summary of Inservice Inspection Examinations

PAGE: 1



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

PAGE: 2

REACTOR COOLANT SYSTEM LOOP A COLD LEG

ZONE NUMBER: 009		ASME			N I O
		SEC. XI			S O N G T
SUMMARY EXAMINATION AREA		CATGY	EXAM		T R S E H
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E REMARKS
					T C G H R **CALIBRATION BLOCK**
-----					

SYSTEM NO. 41, 5614-P-766-S SH. 1 OF 1 (REF. DWG. NO. 4-A03)

057500	27.5"-RCS-1407-14	B-F	PT	NDE 3.3-1	C X - - -	4/13/93 - PT COMPLETE, UT EXAMINATION
	ELBOW TO RPV NOZZLE	B5.10	UT	SEE REMARKS		PERFORMED DURING PREVIOUS OUTAGE,
	CTMT, 25'5", IN RPV					LIMITED EXAMINATION DUE TO TIGHT ACCESS
						IN SANDBOX AND NON-REMOVABLE INSULATION,
						EXAMINATION WAS PERFORMED IN ACCORDANCE
						WITH RELIEF REQUEST NO. 2
						**UT-32**



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

PAGE: 3

REACTOR COOLANT SYSTEM LOOP B COLD LEG

ZONE NUMBER: 012		ASME			N I O	
		SEC. XI			S O N G T	
SUMMARY EXAMINATION AREA		CATGY	EXAM		T R S E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E	REMARKS
-----		-----	-----	-----	T C G M R	**CALIBRATION BLOCK**

SYSTEM NO. 41, 5614-P-766-S SH. 1 OF 1 (REF. DWG. NO. 4-A06)

059600	27.5"-RCS-1406-14	B-F	PT	NDE 3.3-2	C X - - -	4/13/93 - PT COMPLETE, UT EXAMINATION
	ELBOW TO RPV NOZZLE	B5.10	UT	SEE REMARKS		PERFORMED DURING PREVIOUS OUTAGE,
	CTMT, 25'8", IN RPV					LIMITED EXAMINATION DUE TO TIGHT ACCESS
						IN SANDBOX AND NON-REMOVABLE INSULATION,
						EXAMINATION WAS PERFORMED IN ACCORDANCE
						WITH RELIEF REQUEST NO. 2
						**UT-32**





DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

PAGE: 4

REACTOR COOLANT SYSTEM LOOP C COLD LEG

ZONE NUMBER: 015		ASME			N I O	
		SEC. XI			S O N G T	
SUMMARY EXAMINATION AREA		CATGY	EXAM		T R S E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E	REMARKS
						T C G M R **CALIBRATION BLOCK**
-----						

SYSTEM NO. 41, 5614-P-766-S SH. 1 OF 1 (REF. DWG. NO. 4-A09)

061700	27.5"-RCS-1409-14	B-F	PT	NDE 3.3-3	C X - - -	4/13/93 - PT COMPLETE, UT EXAMINATION
	ELBOW TO RPV NOZZLE	B5.10	UT	SEE REMARKS		PERFORMED DURING PREVIOUS OUTAGE,
	CTMT, 25'8", IN RPV					LIMITED EXAMINATION DUE TO TIGHT ACCESS
						IN SANDBOX AND NON-REMOVABLE INSULATION,
						EXAMINATION WAS PERFORMED IN ACCORDANCE
						WITH RELIEF REQUEST NO. 2
						**UT-32**



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

PAGE: 5

REACTOR COOLANT SYSTEM PRESSURIZER SURGE LINE

ZONE NUMBER: 016		ASME			N I O	
		SEC. XI			S O N G T	
SUMMARY EXAMINATION AREA		CATGY	EXAM		T R S E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E	REMARKS
					T C G H R	**CALIBRATION BLOCK**

SYSTEM NO. 41, 5614-P-766-S SH. 1 OF 1 (REF. DWG. NO. 4-A10)

062705	4-SR-400 IA	---	PT	TS 9.4-W93-0107 C	X - - -	93 - INTEGRAL ATTACHMENT REMOVED FROM
	INTEGRAL ATTACHMENT	---	NIS-2	93-002-4		SERVICE, SUPPORT WAS REPLACED
	CTHT, 25'7"		PC/M	91-200		**N/A**
062710	SR-400	F-C	VT-3,4	TS 9.9-M93-0042 C	X - - -	93 - SPRING HANGER WAS REPLACED,
	DUAL SPRING HANGER	F3.50	CWO	300567		BASELINE EXAMINATION
	CTHT, 25'7"		PC/M	91-200		
			NIS-2	93-002-4		**N/A**



DATE: 08/11/93  
REVISION: 3

**TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS**

PAGE: 6

## STOR COOLANT SYSTEM PRESSURIZER SAFETY LOOP A

**ZONE NUMBER: 017**

ASME

N I O

**S O N G T**

## SEC. XI

T R S E H

## SUMMARY EXAMINATION AREA

CATGY	EXAM
-------	------

[illegible][illegible]

ITEM NO	METHOD	PROCEDURE
---------	--------	-----------

T C G M R \*\*CALIBRATION BLOCK\*\*

**SYSTEM NO. 41, 5614-P-564-S SH. 3 OF 3 (REF. DWG. NO. 4-A11)**

064250 4"-RC-1401-FB  
FLANGE BOLTING  
CTHT, 69'0"

**B-G-2 VT-1**  
**B7.50**

**NDE 4.1-8**

C X - - - 5/3/93 - VT COMPLETE

**\*\*N/A\*\***



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

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REACTOR COOLANT SYSTEM PRESSURIZER SAFETY LOOP B

SUMMARY EXAMINATION AREA		CATGY	EXAM		N I O	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	S O N G T	A E I O E
					T R S E H	REMARKS
					T C G M R	**CALIBRATION BLOCK**
-----						

SYSTEM NO. 41, 5614-P-564-S SH. 3 OF 3 (REF. DWG. NO. 4-A12)

065350	4"-RC-1402-FB	B-G-2	VT-1	NDE 4.1-9	C X - - -	5/3/93 - VT COMPLETE
	FLANGE BOLTING	B7.50				
	CTHT, 69'0"					

\*\*\*N/A\*\*





DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

PAGE: 8

REACTOR COOLANT SYSTEM PRESSURIZER SPRAY LINE

ZONE NUMBER: 021		ASME		N I O	
		SEC. XI		S O N G T	
SUMMARY EXAMINATION AREA		CATGY EXAM		T R S E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E REMARKS
					T C G M R **CALIBRATION BLOCK**
-----					

SYSTEM NO. 41, 5614-P-566-S SH. 2 OF 2 (REF. DWG. NO. 4-A15)

071920	4-RCH-33	F-C	VT-3	NDE 4.3-8	C X - - - 4/16/93 - VT COMPLETE
	SLIDING STANCHION	F3.10			
	CTMT, 16'3"				

\*\*N/A\*\*



DATE: 08/11/93  
REVISION: 3

**TURKEY POINT NUCLEAR PLANT UNIT 4**

**PAGE: 9**

### INSERVICE INSPECTION SUMMARY

SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)

**CLASS 1 ALL STATUS COMPONENTS**

**ATOR COOLANT SYSTEM PRESSURIZER RELIEF LINE**

**ZONE NUMBER: 022**

ASME

N I O

S O N G T

## SEC. XI

**T R S E H**

## SUMMARY EXAMINATION AREA

**CATGY**

## EXAM

A E I O E

REMARKS

[illegible]

ITEM NO

## METHOD

## PROCEDURE

T C G H R

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

SYSTEM NO. 41, 5614-P-564-S SH. 1 OF 3 (REF. DWG. NO. 4-A16)

076700 4"-RC-1406-1A

**B-F**

RT

**NDE 9.3-W93-**

C - X - -

**NOZZLE TO SAFE-END**

**B5.40**

0167

4/23/93 - RT COMPLETE, SURFACE  
EXAMINATION PERFORMED DURING PREVIOUS  
OUTAGE, ACCEPTABLE POROSITY AND TUNGSTEN  
INCLUSION, GRINDING MARKS  
\*\*UT-53\*\*



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

PAGE: 10

DUAL HEAT REMOVAL TO RC LOOP A COLD LEG

SUMMARY EXAMINATION AREA		CATGY	EXAM	PROCEDURE	N I O S O N G T T R S E H A E I O E T C G H R	REMARKS
NUMBER	IDENTIFICATION	ITEM NO	METHOD			
-----						

SYSTEM NO. 50, 5614-P-509-S SH. 1 OF 4 (REF. DWG. NO. 4-A31)

117500	8"-RHR-1401-3	B-J	PT	NDE 3.3-8	C X - - -	4/24/93 - PT AND UT COMPLETE, ROOT
	ELBOW TO PIPE	B9.11	UT 45	NDE 5.4-3	- - X -	GEOMETRY
	- CTMT, 20'8"		UT 60	NDE 5.4-3	- - X -	
						**UT-41**



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

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DUAL HEAT REMOVAL TO RC LOOP B COLD LEG

ZONE NUMBER: 038		ASME	N I O		
		SEC. XI	S O N G T		
SUMMARY EXAMINATION AREA		CATGY	EXAM	T R S E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E REMARKS
					T C G M R **CALIBRATION BLOCK**
-----					

SYSTEM NO. 50, 5614-P-509-S SH. 3 OF 4 (REF. DWG. NO. 4-A32)

122460	8073-H-826-01 1A	B-K-1	PT	NDE 3.3-31	C X - - - 4/29/93 - PT COMPLETE
	INTEGRAL ATTACHMENT	B10.10			
	CTMT, 22'2"				

\*\*N/A\*\*





DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

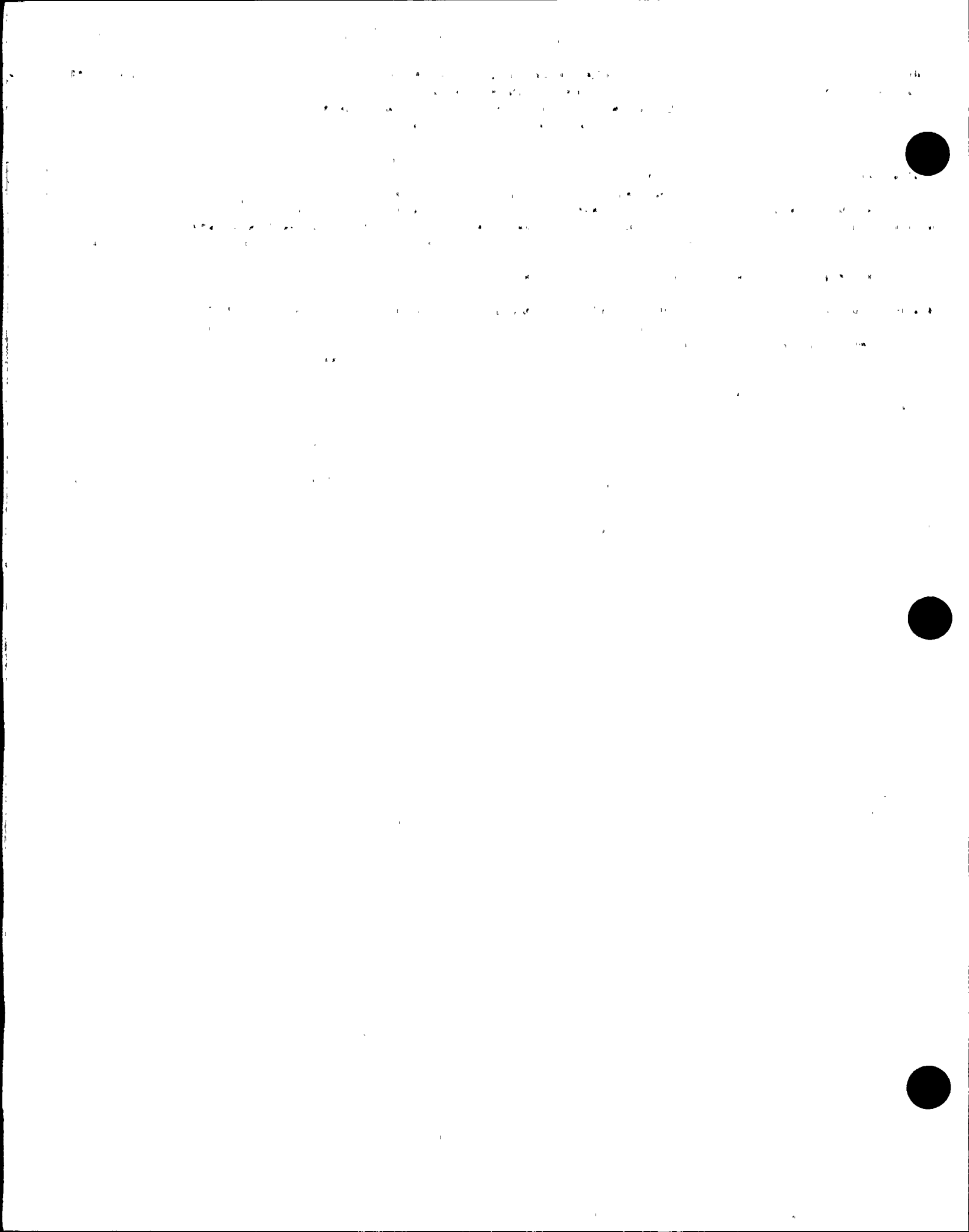
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DUAL HEAT REMOVAL TO RC LOOP C COLD LEG

SUMMARY EXAMINATION AREA		ASME			N I O		
NUMBER	IDENTIFICATION	SEC. XI	CATGY	EXAM	T R S E H	A E I O E	REMARKS
		ITEM NO	METHOD	PROCEDURE	T C G M R		**CALIBRATION BLOCK**

SYSTEM NO. 50, 5614-P-509-S SH. 4 OF 4 (REF. DWG. NO. 4-A33)

124800	VALVE 4-876C BOLTING VALVE BOLTING CTMT, 21'6"	B-G-2 B7.70	VT-1	NDE 4.1-3	C X - - -	4/2/93 - VT COMPLETE	**N/A**
124940	SR-449 SPRING HANGER CTMT, 21'6"	F-C F3.50	VT-3,4 CNR CR	NDE 4.3-77 93-4-080 93-356	C - - - X	5/1/93 - VT COMPLETE, BROKEN TACK WELD ON WASHER, DOES NOT INTERFERE WITH SUPPORT FUNCTION, ACCEPTED AS-IS BY ENGINEERING EVALUATION	**N/A**
124960	SR-449 IA INTEGRAL ATTACHMENT CTMT, 21'6"	B-K-1 B10.10	PT	NDE 3.3-35	C X - - -	4/30/93 - PT COMPLETE	**N/A**



DATE: 08/11/93  
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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

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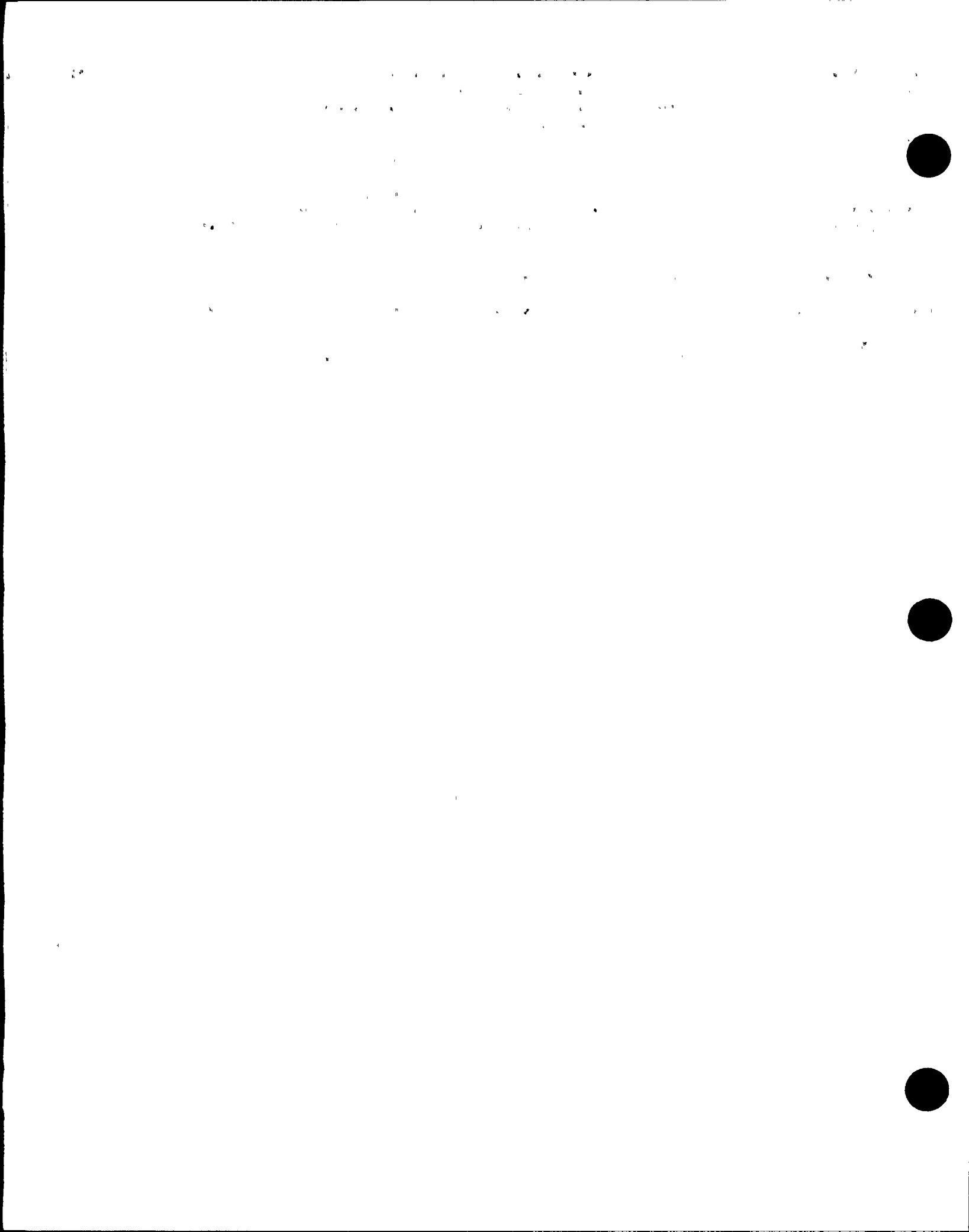
HEAD SAFETY INJECTION LOOP A INSIDE CTMT

CORE NUMBER: 040		ASME	N I O		
		SEC. XI	S O N G T		
SUMMARY EXAMINATION AREA		CATGY	EXAM	T R S E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E REMARKS
					T C G H R **CALIBRATION BLOCK**
-----					

SYSTEM NO. 62, 5614-P-512-S SH. 1 OF 2 (REF. DWG. NO. 4-A34)

128300	2"-S1-1401-3	B-J	PT	NDE 3.3-38	C X - - - 5/4/93 - PT COMPLETE
	ELBOW TO PIPE	B9.40			
	CTMT, 28'3"				

\*\*\*N/A\*\*



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

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HEAD SAFETY INJECTION LOOP B INSIDE CTMT

ZONE NUMBER: 041		ASME			N I O	
		SEC. XI			S O N G T	
SUMMARY EXAMINATION AREA		CATGY	EXAM		T R S E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E	REMARKS
					T C G H R	**CALIBRATION BLOCK**
-----						

SYSTEM NO. 62, 5614-P-513-S SH. 1 OF 2 (REF. DWG. NO. 4-A35A)

133500	2"-SI-1402-11	B-J	PT	NDE 3.3-23	C - - - X	4/24/93 - PT COMPLETE, LINEAR INDICATION
	PIPE TO ELBOW	B9.40	PT	NDE 3.3-36	X - - -	ON ELBOW, SUSPECTED MANUFACTURING FLAW,
	CTMT, 20'1"		CNR	93-4-061		5/3/93 - PT RE-EXAMINATION COMPLETE
			CR	93-324		ATFER INDICATION REMOVAL
						**N/A**

100

1. 2. 3.

[illegible]

124

DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

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HEAD SAFETY INJECTION LOOP B INSIDE CTMT

ZONE NUMBER: 044		ASME	N I O		
		SEC. XI	S O N G T		
SUMMARY EXAMINATION AREA		CATGY	EXAM	T R S E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E REMARKS
					T C G H R **CALIBRATION BLOCK**

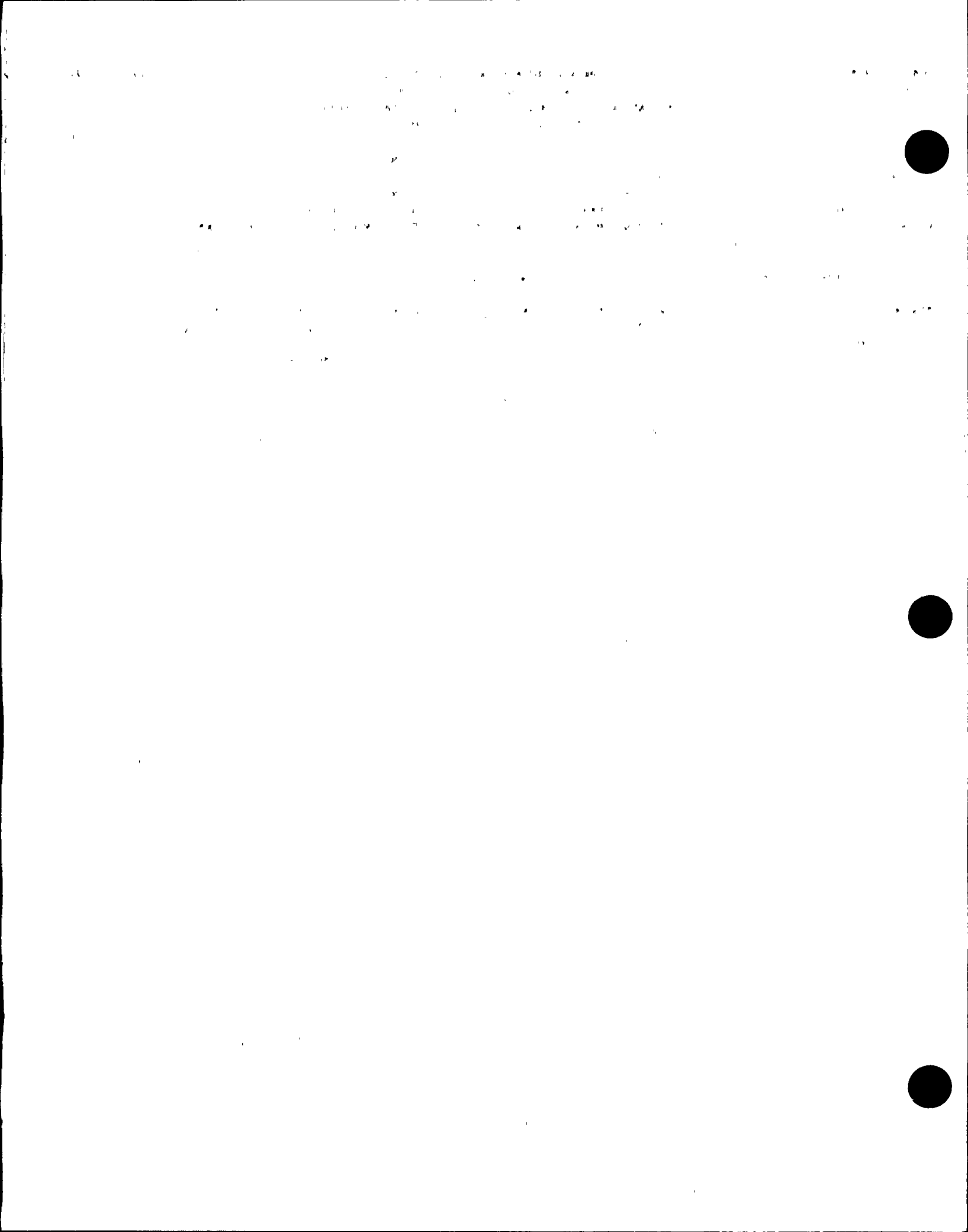
SYSTEM NO. 62, 5614-P-792-S SH. 1 OF 3 (REF. DWG. NO. 4-A38A)

145550	8081-H-001-03	F-B	VT-3	NDE 4.3-78	C - - - X	4/29/93 - VT COMPLETE, SUPPORT TAG
	BOX RESTRAINT	F2.10	CNR	93-4-081		MISSING, TAG WILL BE REPLACED
	CTMT, 26'10"					

\*\*\*N/A\*\*

145700	2"-SI-1406-3	B-J	PT	NDE 3.3-30	C X - - -	4/29/93 - PT COMPLETE
	ELBOW TO PIPE	B9.40				
	CTMT, 26'10"					

\*\*\*N/A\*\*





DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

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PHYSICAL & VOLUME CONTROL TO RC LOOP C HOT LEG

SUMMARY EXAMINATION AREA		ASME	EXAM		N I O		REMARKS
NUMBER	IDENTIFICATION	SEC. XI	CATGY	ITEM NO	T R S E H	A E I O E	
			METHOD	PROCEDURE	T C G H R	**CALIBRATION BLOCK**	
-----							

SYSTEM NO. 47, 5614-P-782-S SH. 2 OF 3 (REF. DWG. NO. 4-A39)

153000	3"-CH-1401-14 PIPE TO ELBOW CTMT	B-J B9.21	PT	NDE 3.3-14	C X - - -	4/23/93 - PT COMPLETE
--------	--	--------------	----	------------	-----------	-----------------------

\*\*\*N/A\*\*\*

153100	3"-CH-1401-15 ELBOW TO PIPE CTMT	B-J B9.21	PT	NDE 3.3-14	C X - - -	4/23/93 - PT COMPLETE
--------	--	--------------	----	------------	-----------	-----------------------

\*\*\*N/A\*\*\*

1. The first part of the document is a list of names and addresses of the members of the committee. The names are listed in alphabetical order, and the addresses are listed in the order in which they appear in the list.

2. The second part of the document is a list of the names and addresses of the members of the committee who have been elected to the office of the chairperson. The names are listed in alphabetical order, and the addresses are listed in the order in which they appear in the list.

3. The third part of the document is a list of the names and addresses of the members of the committee who have been elected to the office of the secretary. The names are listed in alphabetical order, and the addresses are listed in the order in which they appear in the list.

4. The fourth part of the document is a list of the names and addresses of the members of the committee who have been elected to the office of the treasurer. The names are listed in alphabetical order, and the addresses are listed in the order in which they appear in the list.

5. The fifth part of the document is a list of the names and addresses of the members of the committee who have been elected to the office of the clerk. The names are listed in alphabetical order, and the addresses are listed in the order in which they appear in the list.

6. The sixth part of the document is a list of the names and addresses of the members of the committee who have been elected to the office of the assistant clerk. The names are listed in alphabetical order, and the addresses are listed in the order in which they appear in the list.

7. The seventh part of the document is a list of the names and addresses of the members of the committee who have been elected to the office of the assistant treasurer. The names are listed in alphabetical order, and the addresses are listed in the order in which they appear in the list.

8. The eighth part of the document is a list of the names and addresses of the members of the committee who have been elected to the office of the assistant secretary. The names are listed in alphabetical order, and the addresses are listed in the order in which they appear in the list.

9. The ninth part of the document is a list of the names and addresses of the members of the committee who have been elected to the office of the assistant chairperson. The names are listed in alphabetical order, and the addresses are listed in the order in which they appear in the list.

10. The tenth part of the document is a list of the names and addresses of the members of the committee who have been elected to the office of the assistant chairperson. The names are listed in alphabetical order, and the addresses are listed in the order in which they appear in the list.

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### MIXING & VOLUME CONTROL TO RC LOOP A COLD LEG

**ZONE NUMBER: 046**

ASME

N I O

## SEC. XI

**S O N G T**

## SUMMARY EXAMINATION AREA

**CATGY**

## EXAM

T R S E H

[illegible]

ITEM NO

## METHOD

## PROCEDURE

A E I O E

REMARKS

**T C G M R**

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

**SYSTEM NO. 47, 5614-P-782-S SH. 2 OF 3 (REF. DWG. NO. 4-A40)**

158450 SR-935  
SPRING HANGER  
CTMT, 22'6"

**F-C**

**VT-3,4**

**NDE 4.3-89**

C - - - X

5/12/93 - VT COMPLETE, COLD STAMP IS NOT  
AS SHOWN ON DRAWING, ACCEPTED AS-IS BY  
ENGINEERING EVALUATION, THERE WAS NO  
DEVIATION FROM DESIGN INFORMATION, THE  
LOAD MARKS ARE FOR INFORMATION ONLY  
\*\*\*N/A\*\*\*

158600 3"-CH-1402-15  
PIPE TO TEE  
CTMT

**B-J**

PT

**NDE 3.3-27**

C X - - -

**4/29/93 - PT COMPLETE**

\*\*\*N/A\*\*\*

158700 3"-CH-1402-16  
TEE TO PIPE  
CTMT

**B-J**

PT

**NDE 3.3-27**

C X - - -

4/29/93 - PT COMPLETE

\*\*\*N/A\*\*\*

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DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

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CHEMICAL AND VOLUME CONTROL TO REGENERATIVE HX

CORE NUMBER: 047		ASME			N I O	
		SEC. XI			S O N G T	
SUMMARY EXAMINATION AREA		CATGY	EXAM		T R S E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E	REMARKS
					T C G H R	**CALIBRATION BLOCK**

SYSTEM NO. 47, 5614-P-551-S SH. 1 OF 1 (REF. DWG. NO. 4-A41)

162960	4-VCH-62 SINGLE ACTING RESTRAINT CTMT, 25'3"	F-C F3.10	VT-3 CNR CR PC/M	NDE 4.3-80 93-4-087 93-393 93-094	A - - - X	5/3/93 - VT COMPLETE, SUPPORT DOES NOT MATCH DRAWING, APPARENT BROKEN WELD, DAMAGE TO PIPE, BASE PLATE NOT PROPERLY BOLTED, SUPPORT WAS REMOVED, REDESIGNED, AND REPLACED **N/A**
163300	3"-CH-1403-7 PIPE TO ELBOW CTMT, 17'3"	B-J B9.21	PT PT PT CNR CR PWO	NDE 3.3-29 NDE 3.3-37 W93-0264 93-4-074 93-349 93012856	C - - - X X - - - X - - -	4/28/93 - PT COMPLETE, 2 UNACCEPTABLE LINEAR INDICATIONS, 5/2/93 - PT RE-EXAMINATION COMPLETE, INDICATIONS WERE REMOVED, SURFACE ANOMOLY **N/A**



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

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PHYSICAL & VOLUME CONTROL FROM THE REGENERATIVE HX

ZONE NUMBER: 049		ASME			N I O
		SEC. XI			S O N G T
SUMMARY EXAMINATION AREA		CATGY	EXAM		T R S E H
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E REMARKS
					T C G M R **CALIBRATION BLOCK**
-----					

SYSTEM NO. 47, 5614-P-553-S SH. 3 OF 4 (REF. DWG. NO. 4-A43)

170700	2"-CH-1402-22	B-J	PT	NDE 3.3-24	C X - - - 4/26/93 - PT COMPLETE
	PIPE TO RESTRICTING ORIFICE	B9.40			
	CTMT, 15'6"				

\*\*N/A\*\*





DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

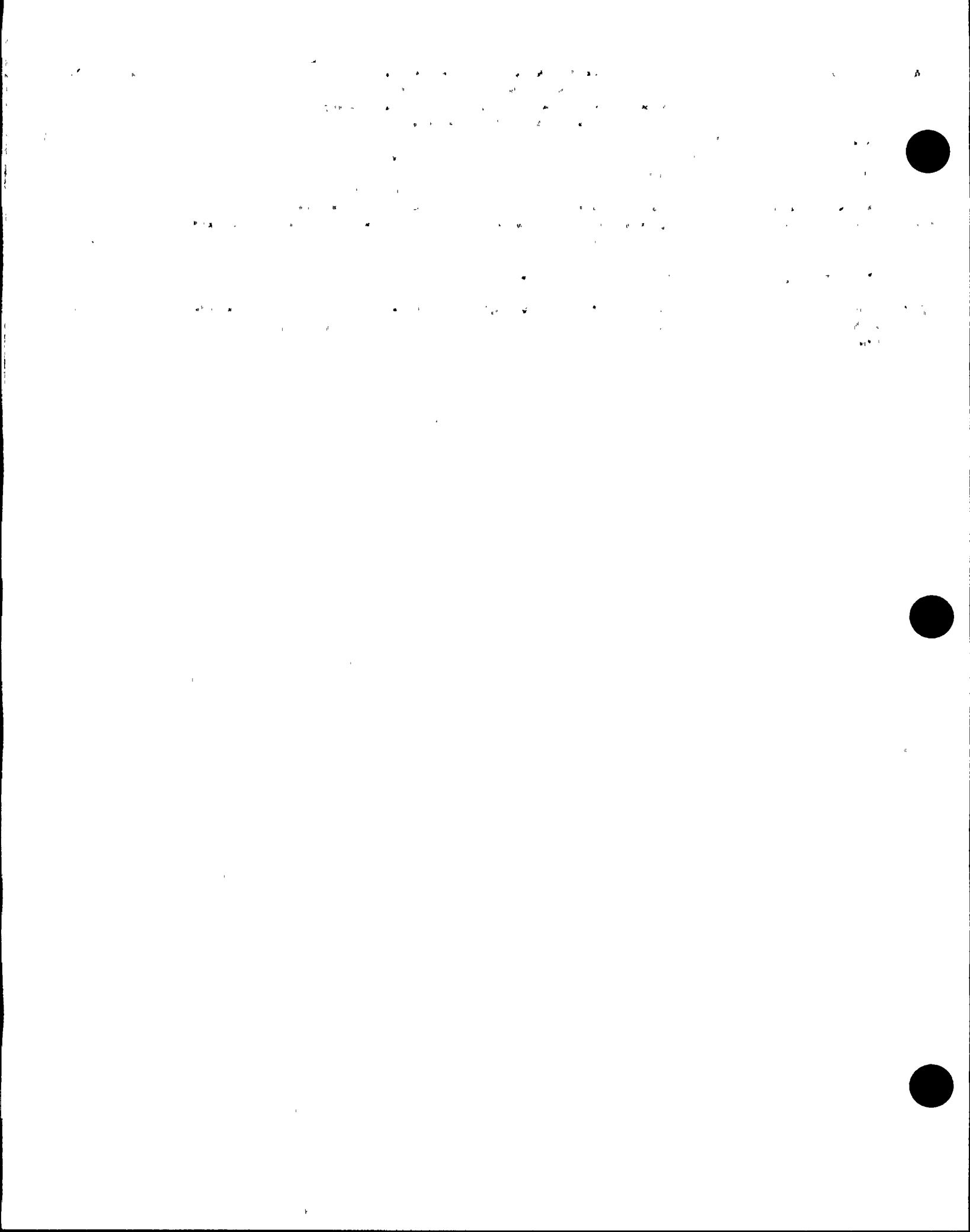
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MECHANICAL & VOLUME CONTROL SEAL INJECTION LOOP A

ZONE NUMBER: 050		ASME			N I O	
		SEC. XI			S O N G T	
SUMMARY EXAMINATION AREA		CATGY	EXAM		T R S E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E	REMARKS
						T C G M R **CALIBRATION BLOCK**
-----						

SYSTEM NO. 47, 5614-P-556-S SH. 1 OF 1 (REF. DWG. NO. 4-A44)

175500	1.5"-CH-1401-FB	B-G-2	VT-1	NDE 4.1-10	C - - - X	4/27/93 - VT COMPLETE, ADDITIONAL
	FLANGE BOLTING	B7.50	VT-1	NDE 4.1-13	X - - -	CLEANING REQUIRED, 5/7/93 - VT
	CTMT, 29'7"		CHN	93-4-066		RE-EXAMINATION COMPLETE AFTER CLEANING
			PWO	93007317		
						**N/A**



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

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PHYSICAL & VOLUME CONTROL SEAL INJECTION LOOP B

ZONE NUMBER: 051		ASME			N I O	
		SEC. XI			S O N G T	
SUMMARY EXAMINATION AREA		CATGY	EXAM		T R S E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E	REMARKS
					T C G M R	**CALIBRATION BLOCK**

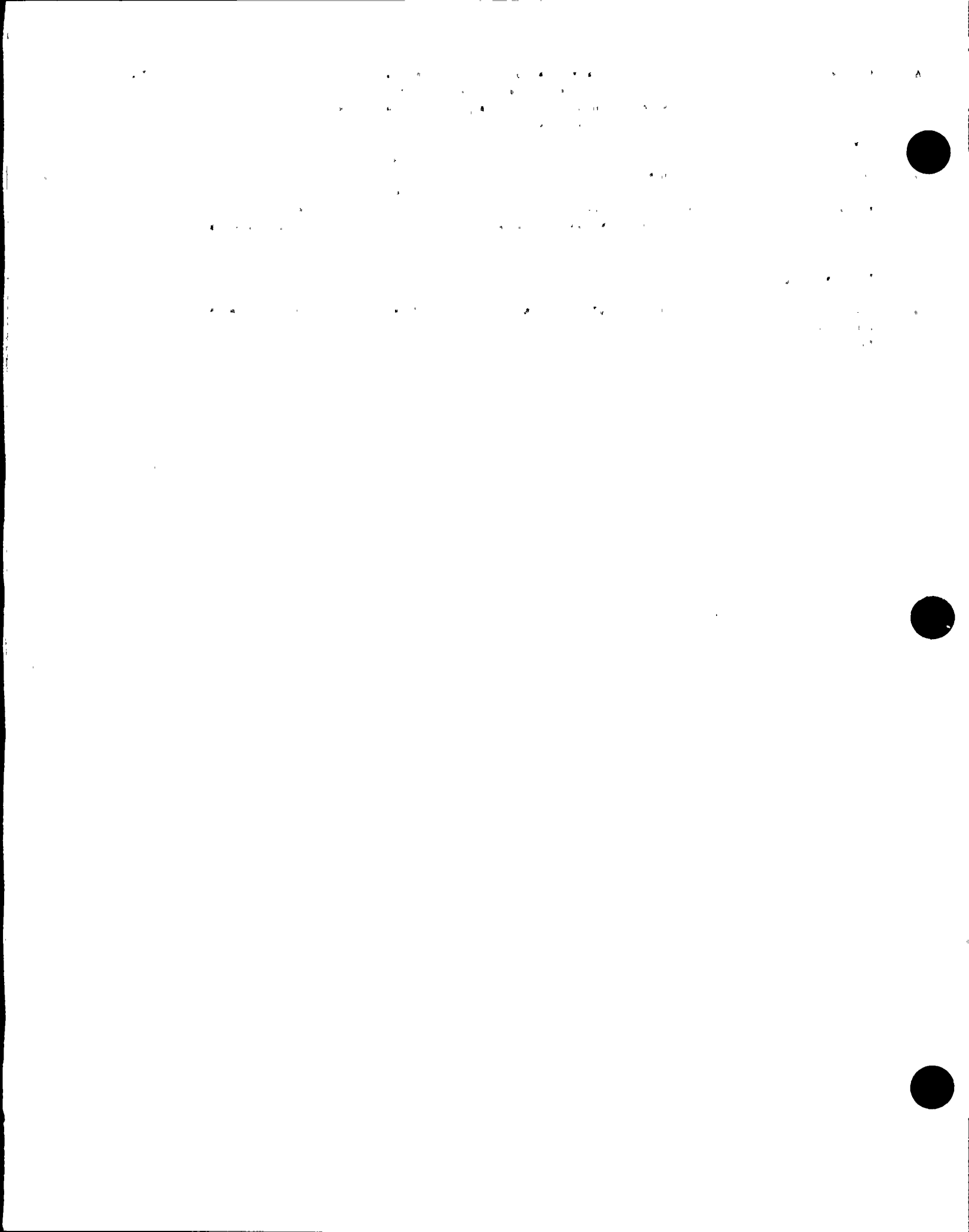
SYSTEM NO. 47, 5614-P-554-S SH. 1 OF 2 (REF. DWG. NO. 4-A45)

180350	2"-CH-1404-FB2 FLANGE BOLTING CTMT, 30"7"	B-G-2 B7.50	VT-1	NDE 4.1-4	C X - - -	4/27/93 - VT COMPLETE
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\*\*\*N/A\*\*

180450	2"-CH-1404-FB3 FLANGE BOLTING CTMT, 30"7"	B-G-2 B7.50	VT-1	NDE 4.1-5	C X - - -	4/28/93 - VT COMPLETE
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\*\*\*N/A\*\*



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

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MECHANICAL & VOLUME CONTROL SEAL INJECTION LOOP C

ZONE NUMBER: 052		ASME			N I O	
		SEC. XI			S O N G T	
SUMMARY EXAMINATION AREA		CATGY	EXAM		T R S E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E	REMARKS
					T C G H R	**CALIBRATION BLOCK**

SYSTEM NO. 47, 5614-P-555-S SH. 2 OF 2 (REF. DWG. NO. 4-A46)

184720	2"-CH-1405-FB1	B-G-2	VT-1	NDE 4.1-11	C - - - X	4/27/93 - VT COMPLETE, 5/7/93 - VT
	FLANGE BOLTING	B7.50	VT-1	NDE 4.1-12	X - - -	RE-EXAMINATION AFTER CLEANING COMPLETE
	CTMT, 28'6"		CNR	93-4-065		
			PWO	93007318		

\*\*\*N/A\*\*\*

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

12 11 10 9 8 7 6 5 4 3 2 1

27

1. *Phragmites australis* (Cav.) Trin. ex Steud. (Common reed)

1 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

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REACTOR COOLANT PUMP A

ZONE NUMBER: 056		ASME			N I O	
		SEC. XI			S O N G T	
SUMMARY EXAMINATION AREA		CATGY	EXAM		T R S E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E	REMARKS
					T C G H R	**CALIBRATION BLOCK**

SYSTEM NO. 41 (REF. DWG. NO. 4-V13A)

197300	4-RCP-A-FLYWHEEL	RG 1.14	PT	80165-2	C X - - -	2/12/93 - PT AND UT COMPLETED BY
	FLYWHEEL		UT	12560	X - - -	WESTINGHOUSE, EXAMINED ENTIRE FLYWHEEL,
	CTMT					MOTOR SERIAL NUMBER 1S-76P499 PLACED IN
						SERVICE
						**N/A**





DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

PAGE: 24

REACTOR COOLANT PUMP B

WIRE NUMBER: 057

ASHE

SEC. XI

CATGY

EXAM

ITEM NO

METHOD

PROCEDURE

N I O

S O N G T

T R S E H

A E I O E

T C G H R

REMARKS

\*\*CALIBRATION BLOCK\*\*

SUMMARY EXAMINATION AREA

NUMBER IDENTIFICATION

SYSTEM NO. 41 (REF. DWG. NO. 4-V13B)

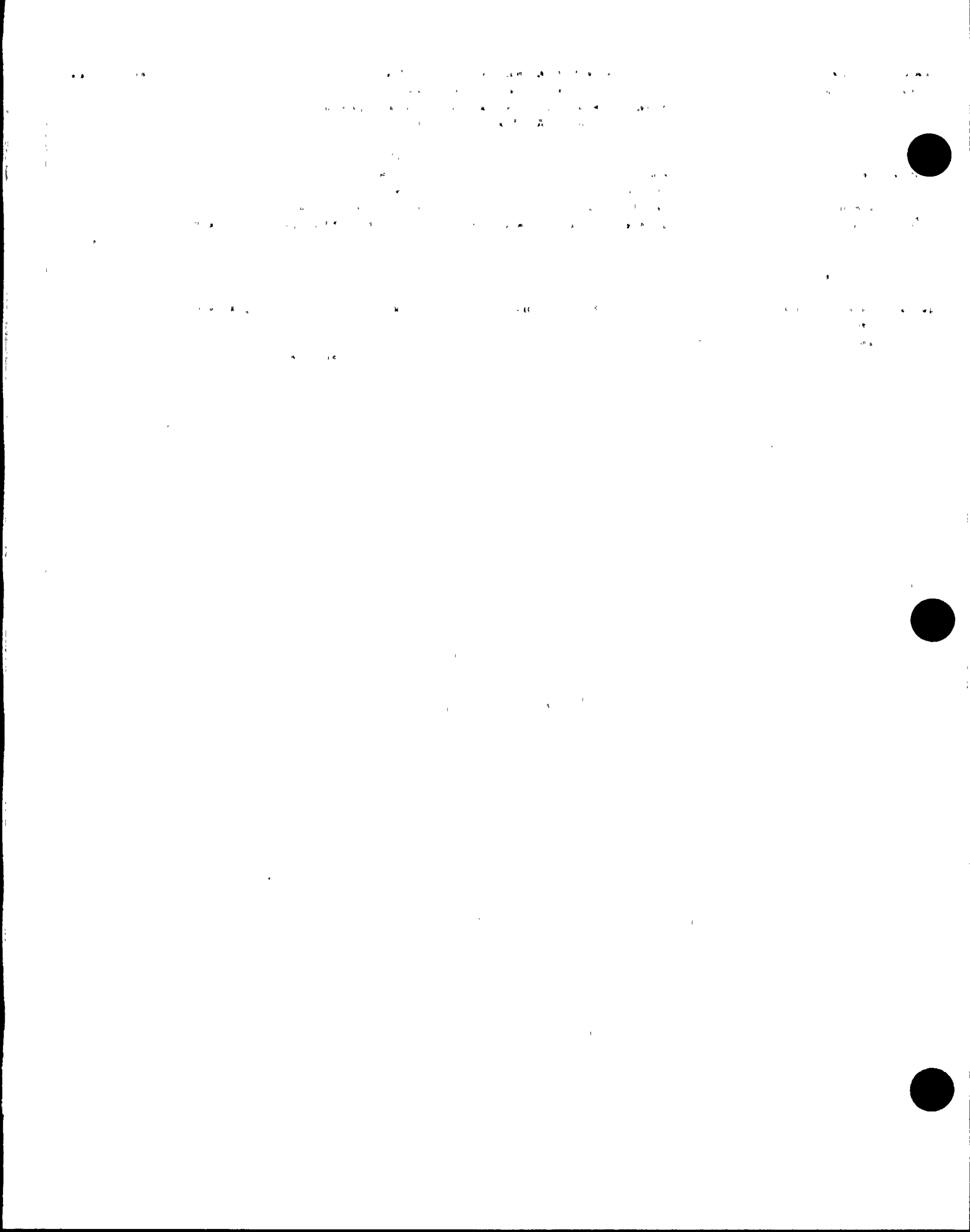
198200 4-RCP-B-FLYWHEEL  
FLYWHEEL  
CTMT

RG 1.14 UT

NDE 5.15-1

C X - - - 4/30/93 - UT COMPLETE

\*\*N/A\*\*



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 1 ALL STATUS COMPONENTS

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GENERATIVE HEAT EXCHANGER

SUMMARY EXAMINATION AREA		ASME			N I O	
NUMBER	IDENTIFICATION	SEC. XI	CATGY	EXAM	S O N G T	
		ITEM NO	METHOD	PROCEDURE	T R S E H	REMARKS
					A E I O E	
					T C G H R	**CALIBRATION BLOCK**

(REF. DWG. NO. 4-V11)

204300	RGX 4E200	---	VT-2	NDE 4.2-1	C X - - -	4/12/93 - VT-3 COMPLETE, 5/21/93 - VT-2
	VISUAL FOR LEAKAGE	---	VT-3	NDE 4.3-1	X - - -	COMPLETE, EXAMINED IN ACCORDANCE WITH
	CTMT					RELIEF REQUEST NO. 3
						**N/A**



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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GENERATOR A SECONDARY SIDE

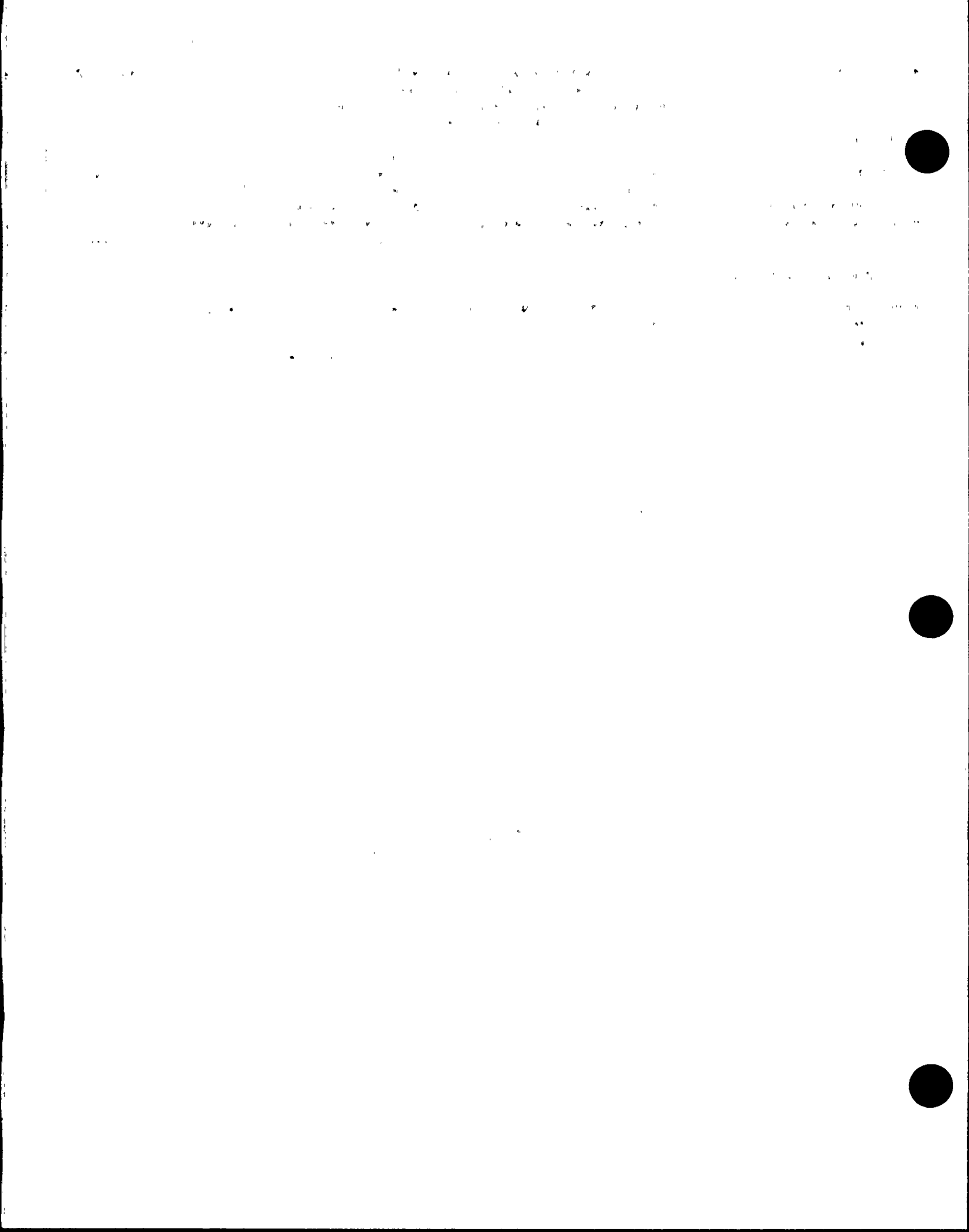
ZONE NUMBER: 060		ASME	N I O				
		SEC. XI	S O N G T				
SUMMARY EXAMINATION AREA		CATGY	EXAM	T R S E H			
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E	REMARKS	
					T C G H R	**CALIBRATION BLOCK**	

(REF. DWG. NO. 4-V10A)

204700	4-SGA-CL	C-A	UT 0	NDE 5.1-1	C - - - X	4/93 - UT COMPLETE, ACCEPTABLE SLAG
	TRANSITION TO UPPER SHELL WELD	C1.10	UT 45	NDE 5.1-1	- - X X	INCLUSIONS, NOZZLE GEOMETRY
	CTMT		UT 60	NDE 5.1-1	- - - X	
						**UT-7**

205300	4-SGA-SS	---	VT	NDE 4.4-1	A X - - -	4/20/93 - VT COMPLETE
	SECONDARY SIDE EXAMINATION	---				
	CTMT					

\*\*N/A\*\*



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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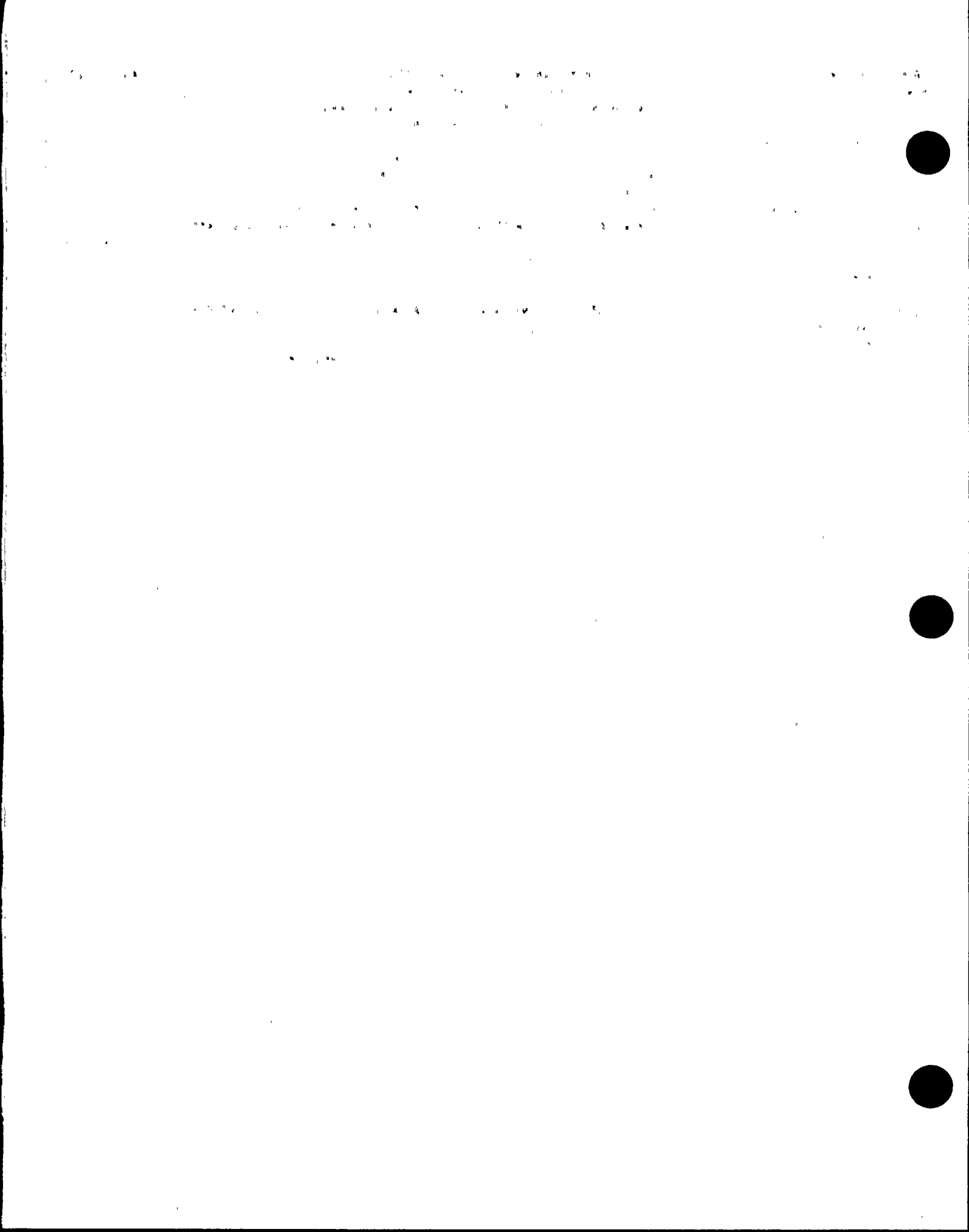
GENERATOR B SECONDARY SIDE

SUMMARY EXAMINATION AREA		ASME			N I O	
NUMBER	IDENTIFICATION	SEC. XI	CATGY	EXAM	S O N G T	
		ITEM NO	METHOD	PROCEDURE	T R S E H	REMARKS
					A E I O E	
					T C G H R	**CALIBRATION BLOCK**

(REF. DWG. NO. 4-V10B)

206600	4-SGB-SS	---	VT	NDE 4.4-2	A X - - -	4/20/93 - VT COMPLETE
	SECONDARY SIDE EXAMINATION	---				
	CTMT					

\*\*N/A\*\*





DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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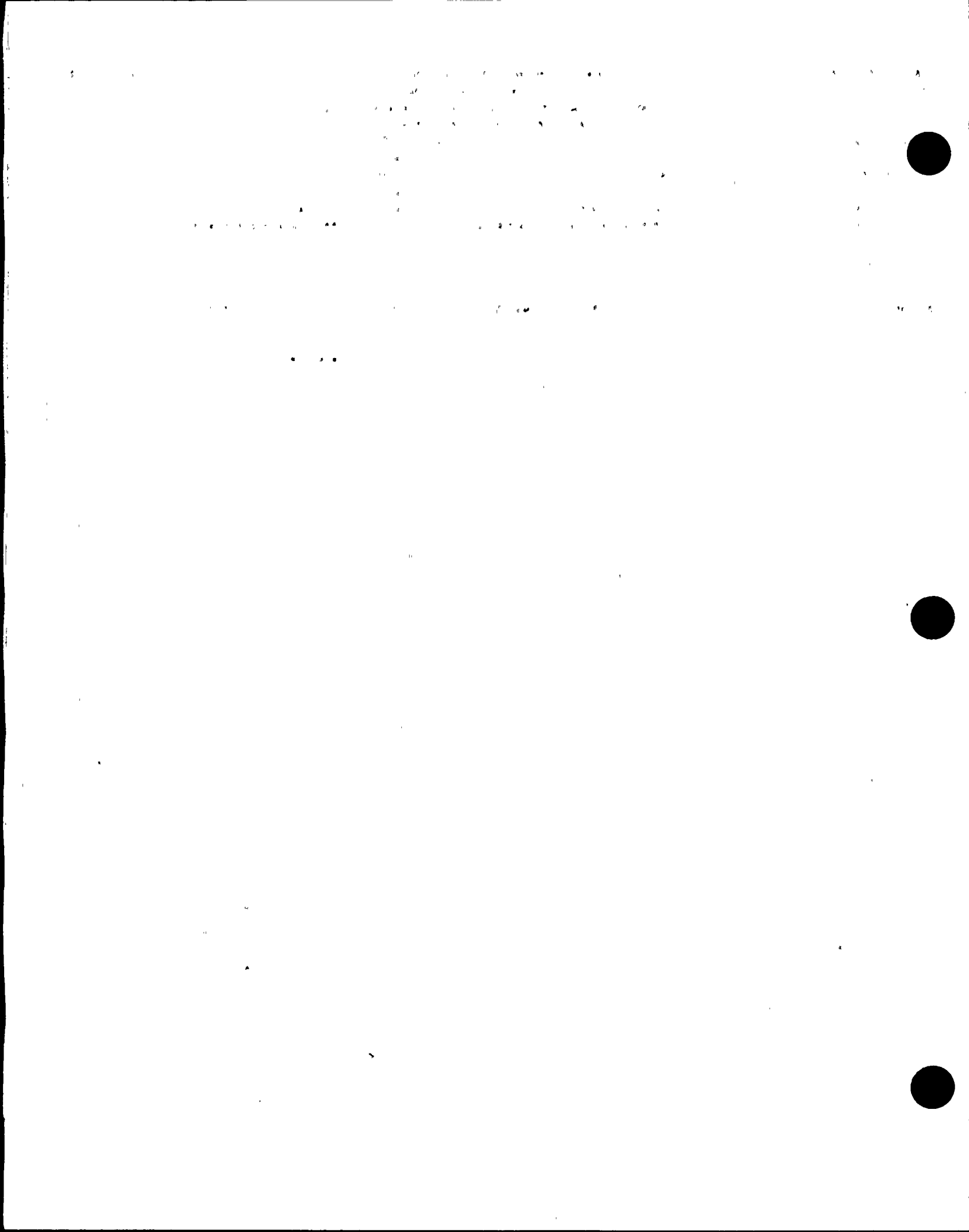
GENERATOR C SECONDARY SIDE

SUMMARY EXAMINATION AREA		ASME			N I O	
NUMBER	IDENTIFICATION	SEC. XI	CATGY	EXAM	S O N G T	
		ITEM NO	METHOD	PROCEDURE	T R S E H	REMARKS
					A E I O E	
					T C G M R	**CALIBRATION BLOCK**

(REF. DWG. NO. 4-V10C)

207900	4-SGC-SS	---	VT	NDE 4.4-3	A X - - -	4/20/93 - VT COMPLETE
	SECONDARY SIDE EXAMINATION	---				
	CTMT					

\*\*\*N/A\*\*\*



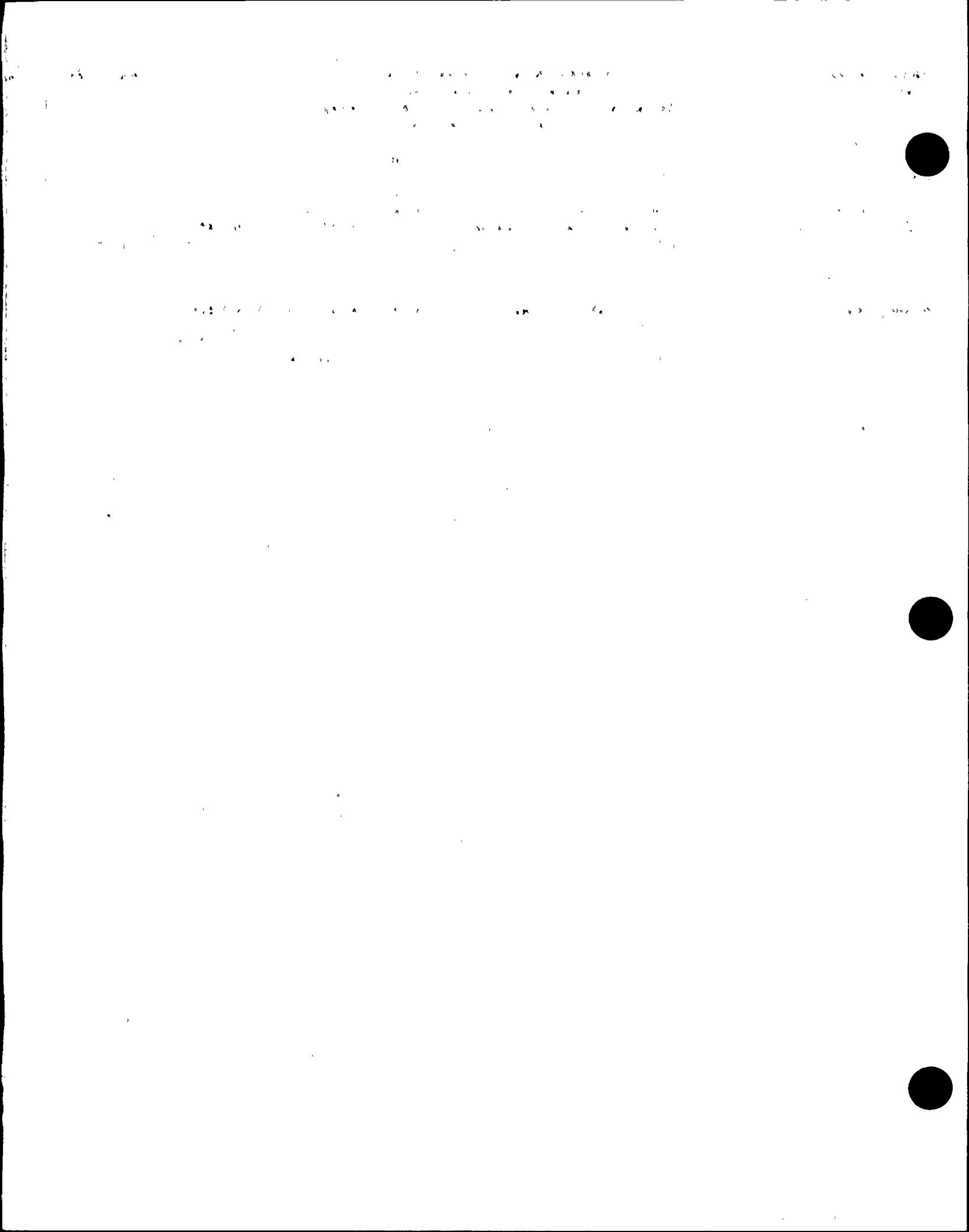
DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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CLASS 2 PUMPS

ZONE NUMBER:		ASME			N I O	
		SEC. XI			S O N G T	
SUMMARY EXAMINATION AREA		CATGY	EXAM		T R S E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E	REMARKS
					T C G M R	**CALIBRATION BLOCK**
208390	RHR PUMP 4P210A	---	VT-1	4.1-1	C - - - X	10/20/92 - VT COMPLETE, WATER LEAKING FROM FLANGE, ACCEPTED AS-IS, WILL BE CORRECTED AT A FUTURE DATE WITH A PLANT WORK ORDER, EXAMS PERFORMED DURING THE 1992 UNIT 3 OUTAGE
		---	CNR	92-4-003		
			PWO	92047166		
208400	RHR PUMP 4P210B	---	VT-1	NDE 4.1-2	C - - - X	10/20/92 - VT COMPLETE, WATER LEAKING FROM FLANGE, BORIC ACID ACCUMULATION, ACCEPTED AS-IS, WILL BE CORRECTED AT A FUTURE DATE WITH A PLANT WORK ORDER, EXAMS PERFORMED DURING THE 1992 UNIT 3 OUTAGE
		---	CHR	92-4-004		
			PWO	92047260		



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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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INDUAL HEAT REMOVAL TO RESID. HEAT REMOVAL PUMP A

SUMMARY EXAMINATION AREA		ASME			N I O		
NUMBER	IDENTIFICATION	SEC. XI	CATGY	EXAM	T R S E H	A E I O E	REMARKS
		ITEM NO	METHOD	PROCEDURE	T C G H R		**CALIBRATION BLOCK**

SYSTEM NO. 50, 5614-P-503-S SH. 1 OF 2 (REF. DWG. NO. 4-B01B)

209900	14"-RHR-2401-15 PIPE TO VALVE 4-752A 5'7"	C-F C5.11	PT	NDE 3.3-34	C X - - -	4/27/93 - PT COMPLETE
--------	---	--------------	----	------------	-----------	-----------------------

\*\*N/A\*\*

210700	14"-RHR-2402-8 PIPE TO PUMP CASING (-) 2'9"	C-F C5.11	PT	NDE 3.3-34	C X - - -	4/27/93 - PT COMPLETE
--------	---	--------------	----	------------	-----------	-----------------------

\*\*N/A\*\*

1. The first part of the document is a list of names and addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

2. The second part of the document is a list of names and addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: Alice Brown, Charlie White, and David Green. The addresses are: 101 Main St, 202 Elm St, and 303 Oak St.

3. The third part of the document is a list of names and addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: Emily Black, Frank Gray, and George Blue. The addresses are: 404 Main St, 505 Elm St, and 606 Oak St.

4. The fourth part of the document is a list of names and addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: Helen Red, Ivan Purple, and Julia Yellow. The addresses are: 707 Main St, 808 Elm St, and 909 Oak St.

5. The fifth part of the document is a list of names and addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: Kevin Orange, Linda Pink, and Mark Brown. The addresses are: 1010 Main St, 1011 Elm St, and 1012 Oak St.

6. The sixth part of the document is a list of names and addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: Nancy Green, Oscar Blue, and Patricia Red. The addresses are: 1111 Main St, 1112 Elm St, and 1113 Oak St.

DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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INDIVIDUAL HEAT REMOVAL TO RESID. HEAT REMOVAL PUMP B

SUMMARY EXAMINATION AREA		CATGY		EXAM	PROCEDURE	N I O		REMARKS
NUMBER	IDENTIFICATION	ITEM NO	METHOD			T	C	
						S	O	
						R	E	
						H		
						A	E	
						I	O	
						E		
						T	C	
						G	M	
						R		

\*\*\*\*\*

SYSTEM NO. 50, 5614-P-503-S SH. 1 OF 2 (REF. DWG. NO. 4-B02)

212900	14"-RHR-2403-12	C-F	PT	NDE 3.3-19	C	X	-	-	-	4/25/93 - PT COMPLETE
	PIPE TO PUMP CASING	C5.11								
	(-) 2'9"									

\*\*N/A\*\*

2000

1000

1000

1000

1000

1000

1000





DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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INDIVIDUAL HEAT REMOVAL FROM CONTAINMENT SUMP A

SUMMARY EXAMINATION AREA		ASME			N I O	
NUMBER	IDENTIFICATION	SEC. XI	CATGY	EXAM	S O N G T	
		ITEM NO	METHOD	PROCEDURE	T R S E H	REMARKS
					A E I O E	
					T C G H R	**CALIBRATION BLOCK**

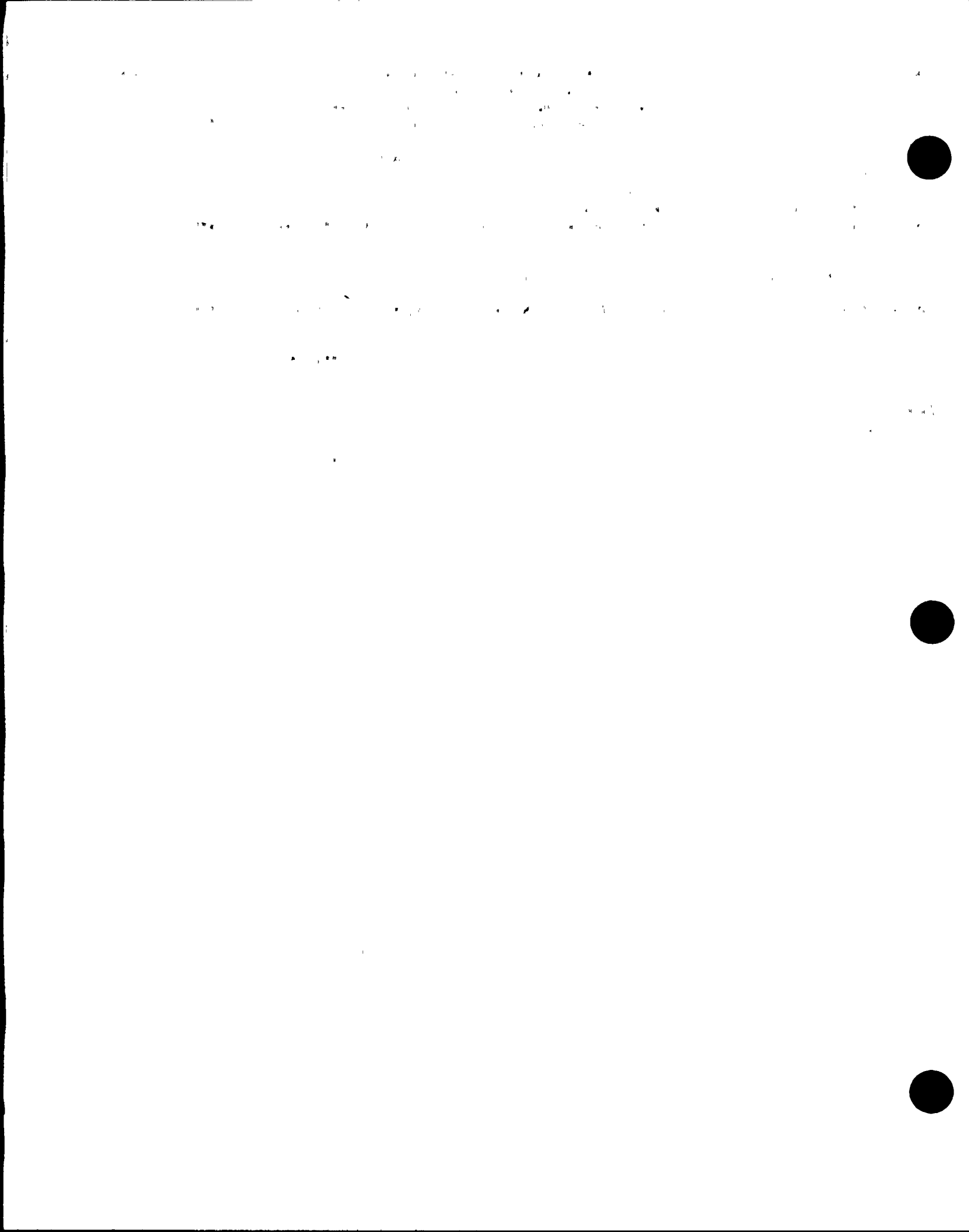
SYSTEM NO. 50, 5614-P-503-S SH. 2 OF 2 (REF. DWG. NO. 4-B04)

216050	14"-RHR-2405-10LS LONG SEAM 0'4"	C-F C5.11	PT	NDE 3.3-33	C X - - -	4/27/93 - PT COMPLETE
--------	--	--------------	----	------------	-----------	-----------------------

\*\*N/A\*\*

216100	14"-RHR-2405-11 PIPE TO TEE 0'4"	C-F C5.11	PT	NDE 3.3-33	C X - - -	4/27/93 - PT COMPLETE
--------	--	--------------	----	------------	-----------	-----------------------

\*\*N/A\*\*



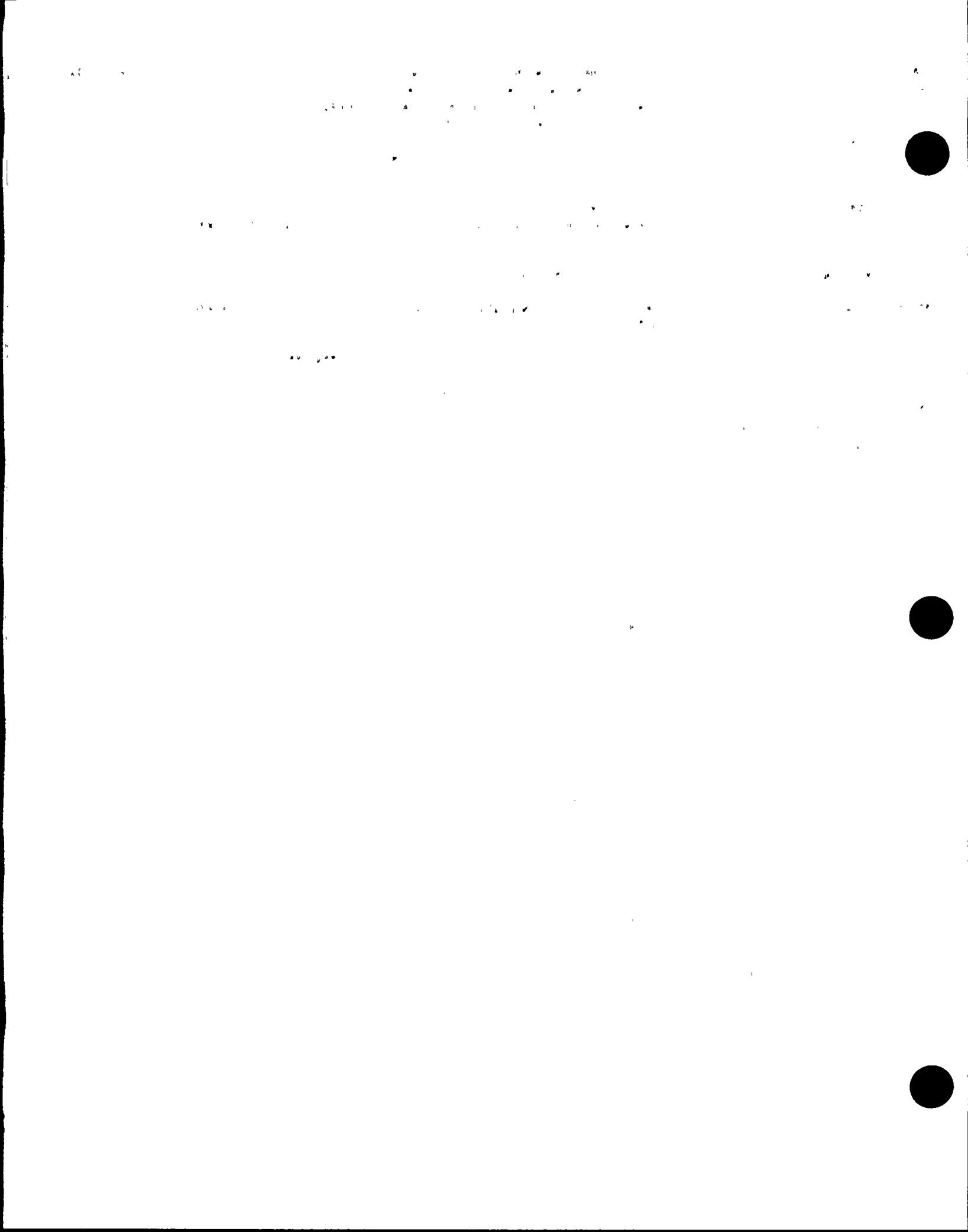
DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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INDUAL HEAT REMOVAL FROM CONTAINMENT SUMP B

SUMMARY EXAMINATION AREA		ASME			N I O	
NUMBER	IDENTIFICATION	SEC. XI	CATGY	EXAM	S O N G T	REMARKS
		ITEM NO	METHOD	PROCEDURE	A E I O E	
					T C G H R	**CALIBRATION BLOCK**
<u>SYSTEM NO. 50, 5614-P-503-S SH. 2 OF 2 (REF. DWG. NO. 4-B05)</u>						
216200	14"-RHR-2406-1 PIPE TO PIPE 7'5"	C-F C5.11	PT	NDE 3.3-32	C X - - -	4/29/93 - PT COMPLETE  **N/A**
216540	4-SR-629 BOX RESTRAINT 7'2"	F-B F2.10	VT-3	NDE 4.3-69	C X - - -	4/26/93 - VT COMPLETE  **N/A**
216560	4-SR-629 1A INTEGRAL ATTACHMENT 7'2"	C-C C3.20	PT	NDE 3.3-32	C X - - -	4/29/93 - PT COMPLETE  **N/A**
760	4-SR-623 1A INTEGRAL ATTACHMENT (-) 0'1"	C-C C3.20	PT	NDE 3.3-25	C X - - -	4/26/93 - PT COMPLETE  **N/A**



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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MODULAR HEAT REMOVAL INSIDE & OUTSIDE CONTAINMENT

SUMMARY EXAMINATION AREA		ASME			N I O	
NUMBER	IDENTIFICATION	SEC. XI	CATGY	EXAM	S O N G T	REMARKS
		ITEM NO	METHOD	PROCEDURE	A E I O E	
					T C G H R	**CALIBRATION BLOCK**
-----						
SYSTEM NO. 50, 5614-P-509-S SH. 2 OF 4 (REF. DWG. NO. 4-B078)						
223020	12"-RHR-2402-30A PIPE TO PIPE CTMT, 21'0"	C-F C5.11	PT	NDE 3.3-10	C X - - -	4/23/93 - PT COMPLETE  **N/A**
223080	12"-RHR-2402-30B PIPE TO PIPE CTMT, 21'0"	C-F C5.11	PT	NDE 3.3-10	C X - - -	4/23/93 - PT COMPLETE  **N/A**
223400	12"-RHR-2402-34 TEE TO REDUCER CTMT, 21'0"	C-F C5.11	PT	NDE 3.3-10	C X - - -	4/23/93 - PT COMPLETE  **N/A**
500	12"-RHR-2402-35 REDUCER TO VALVE 4-744A CTMT, 21'0"	C-F C5.11	PT	NDE 3.3-10	C X - - -	4/23/93 - PT COMPLETE  **N/A**

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DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

PAGE: 35

INDUAL HEAT REMOVAL PUMP A DISCHARGE TO RHR HX A

SUMMARY EXAMINATION AREA		CATGY		EXAM	PROCEDURE	N I O		REMARKS
NUMBER	IDENTIFICATION	ITEM NO	METHOD			T	C G H R	
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SYSTEM NO. 50, 5614-P-505-S SH. 2 OF 5 (REF. DWG. NO. 4-B08)								
226300	10"-RHR-2401-16	C-F	PT	NDE 3.3-15		C	X - - -	4/25/93 - PT COMPLETE
	VALVE 4-757A TO PIPE	C5.11						

\*\*\*N/A\*\*

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DATE: 08/11/93  
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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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RESIDUAL HEAT REMOVAL PUMP B DISCHARGE TO RHR HX B

SUMMARY EXAMINATION AREA		ASME	EXAM		N I O		REMARKS
NUMBER	IDENTIFICATION	SEC. XI	CATGY	METHOD	PROCEDURE	S O N G T	
		ITEM NO				T R S E H	
						A E I O E	
						T C G M R	**CALIBRATION BLOCK**

SYSTEM NO. 50, 5614-P-505-S SH. 1 OF 5 (REF. DWG. NO. 4-B09)

227640	SR-640	F-C	VT-3,4	NDE 4.3-73	C - - - X	4/26/93 - VT COMPLETE, DRAWING
	SPRING HANGER	F3.50	CNR	93-4-075		DISCREPENCY, ACCEPTED AS-IS BY
	5'1/2"		CR	93-347		ENGINEERING EVALUATION
						**N/A**

229000	10"-RHR-2402-24	C-F	PT	NDE 3.3-17	C X - - -	4/25/93 - PT COMPLETE
	VALVE 4-757B TO NOZZLE	C5.11				

\*\*N/A\*\*



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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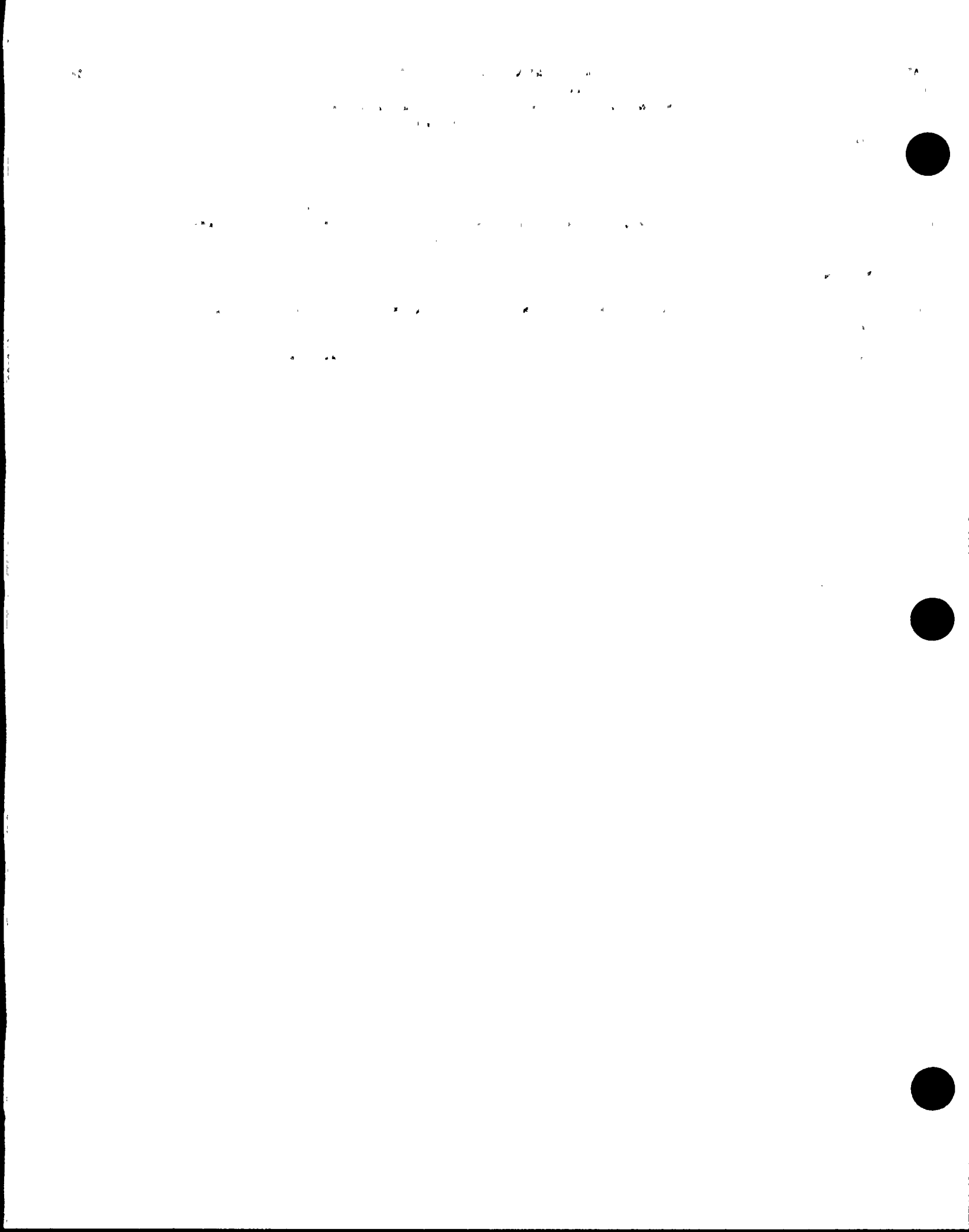
INDIVIDUAL HEAT REMOVAL HEAT EXCHANGER B DISCHARGE

SUMMARY EXAMINATION AREA		ASME	EXAM		N I O		REMARKS
NUMBER	IDENTIFICATION	SEC. XI	CATGY	METHOD	PROCEDURE	S O N G T	
		ITEM NO				T R S E H	
						A E I O E	
						T C G M R	**CALIBRATION BLOCK**

SYSTEM NO. 50, 5614-P-505-S SH. 4 OF 5 (REF. DWG. NO. 4-B11)

230500	10"-RHR-2404-1	C-F	PT	NDE 3.3-16	C X - - -	4/25/93 - PT COMPLETE
	NOZZLE TO ELBOW	C5.11				

\*\*N/A\*\*



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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SAFETY INJECTION FROM REACTOR WATER STORAGE TANK

CORE NUMBER: 077		ASME	N I O		
		SEC. XI	S O N G T		
SUMMARY EXAMINATION AREA		CATGY	EXAM	T R S E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E REMARKS
					T C G H R **CALIBRATION BLOCK**

SYSTEM NO. 62, 5614-P-502-S SH. 2 OF 4 (REF. DWG. NO. 4-B15)

231900	SR-621	F-C	VT-3	NDE 4.3-6	C X - - - 4/15/93 - VT COMPLETE
	PIPE SUPPORT	F3.10			
	15'7"				

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DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

PAGE: 39

INDUAL HEAT REMOVAL SYSTEM FROM ACCUMULATOR A

SUMMARY EXAMINATION AREA		ASME	EXAM		N I O		REMARKS
NUMBER	IDENTIFICATION	SEC. XI	CATGY	METHOD	PROCEDURE	S O N G T	
		ITEM NO				T R S E H	
						A E I O E	
						T C G H R	**CALIBRATION BLOCK**

SYSTEM NO. 50, 5614-P-509-S SH. 1 OF 4 (REF. DWG. NO. 4-B16)

232910	4-SIH-68 SPRING HANGER CTMT, 21'4"	F-C F3.50	VT-3,4 CNR CR	NDE 4.3-72 93-4-073 93-348	C - - - X	4/29/93 - VT COMPLETE, INADEQUATE THREAD ENGAGEMENT, ACCEPTED AS-IS BY ENGINEERING EVALUATION **N/A**
232915	4-SIH-68 IA INTEGRAL ATTACHMENT CTMT, 21'4"	C-C C3.20	PT	NDE 3.3-28	C X - - -	4/29/93 - PT COMPLETE  **N/A**

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DATE: 08/11/93  
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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

PAGE: 40

RESIDUAL HEAT REMOVAL SYSTEM FROM ACCUMULATOR B

WIRE NUMBER: 079		ASME			N I O	
		SEC. XI			S O N G T	
SUMMARY EXAMINATION AREA		CATGY	EXAM		T R S E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E	REMARKS
-----		-----	-----	-----	T C G H R	**CALIBRATION BLOCK**

SYSTEM NO. 50, 5614-P-509-S SH. 3 OF 4 (REF. DWG. NO. 4-B17)

233000	10"-SI-2402-1A NOZZLE TO PIPE CTMT, 30'2"	C-F C5.21	PT UT 45 UT 60	NDE 3.3-9 NDE 5.4-4 NDE 5.4-4	C X - - - - - X - - - X -	4/23/93 - PT AND UT COMPLETE, ROOT GEOMETRY, NO EXAMINATION FROM THE NOZZLE SIDE DUE TO ITS CONFIGURATION **UT-27**
233100	SR-450B SPRING HANGER CTMT, 20'10"	F-C F3.50	VT-3,4 VT-3,4 CNR CR PWO	NDE 4.3-68 NDE 4.3-76 93-4-060 93-323 93012700	C - - - X X - - -	4/23/93 - VT COMPLETE, LOOSE LOCK NUT; 4/30/93 - VT RE-EXAMINATION COMPLETE, LOCK NUT WAS TIGHTENED  **H/A**



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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

PAGE: 41

DUAL HEAT REMOVAL SYSTEM FROM ACCUMULATOR C

SUMMARY EXAMINATION AREA		CATGY	EXAM						
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	T	C	G	H	R

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

REMARKS  
\*\*CALIBRATION BLOCK\*\*

SYSTEM NO. 50, 5614-P-509-S SH. 4 OF 4 (REF. DWG. NO. 4-B18)

233280	10"-SI-2403-3	C-F	PT	NDE 3.3-20	C	X	-	-	-	4/22/93 - PT AND UT COMPLETE, ROOT AND
	PIPE TO ELBOW	C5.21	UT 45	NDE 5.4-1		-	-	X	-	COUNTERBORE GEOMETRY
	CTMT, 18"9"		UT 60	NDE 5.4-1		-	-	X	-	

\*\*UT-27\*\*

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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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SAFETY INJECTION TO CONTAINMENT SPRAY PUMP A

SUMP NUMBER: 083		ASME				N I O
		SEC. XI				S O N G T
SUMMARY EXAMINATION AREA		CATGY	EXAM	T R S E H		
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E	REMARKS
					T C G M R	**CALIBRATION BLOCK**

SYSTEM NO. 62, 5614-P-502-S SH. 1 OF 4 (REF. DWG. NO. 4-B21)

234070	8"-SI-2401-6 ELBOW TO VALVE 4-844A	C-F C5.11	PT	NDE 3.3-26	C X - - -	4/29/93 - PT COMPLETE
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\*\*N/A\*\*

234090	8"-SI-2401-8 REDUCING ELBOW TO FLANGE	C-F C5.11	PT	NDE 3.3-7	C X - - -	4/20/93 - PT COMPLETE
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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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DUAL HEAT REMOVAL SYSTEM INSIDE CONTAINMENT

CORE NUMBER: 085		ASME	N I O		
		SEC. XI	S O N G T		
SUMMARY EXAMINATION AREA		CATGY	EXAM	T R S E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	A E I O E REMARKS
					T C G M R **CALIBRATION BLOCK**

SYSTEM NO. 50, 5614-P-509-S SH. 2 OF 4 (REF. DWG. NO. 4-B23)

235600	8"-S1-2403-1 TEE TO PIPE CTMT, 21'6"	C-F C5.21	PT UT 45 UT 60	NDE 3.3-21 NDE 5.4-2 NDE 5.4-3	C X - - - - - X - - - X -	4/24/93 - PT AND UT COMPLETE, ROOT GEOMETRY **UT-41**
236000	8"-S1-2403-16 ELBOW TO PIPE CTMT, 26'8"	C-F C5.21	PT UT 45 UT 60	NDE 3.3-21 NDE 5.4-2 NDE 5.4-3	C X - - - - - X - - - X -	4/24/93 - PT AND UT COMPLETE, ROOT GEOMETRY **UT-41**
236060	8"-S1-2403-17 PIPE TO VALVE 4-876B CTMT, 26'8"	C-F C5.21	PT UT 45 UT 60	NDE 3.3-21 NDE 5.4-2 NDE 5.4-2	C X - - - - - X - - - X -	4/24/93 - PT AND UT COMPLETE, ROOT GEOMETRY **UT-41**

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DATE: 08/11/93  
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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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SAFETY INJECTION SYSTEM OUTSIDE CONTAINMENT

| SUMMARY EXAMINATION AREA |                | ASME      | EXAM    |        | N I O     |           | REMARKS |
|--------------------------|----------------|-----------|---------|--------|-----------|-----------|---------|
| NUMBER                   | IDENTIFICATION | SEC. XI   | ITEM NO | METHOD | PROCEDURE | S O N G T |         |
|                          |                | CATGY     |         |        |           | A E I O E |         |
|                          |                | T C G M R |         |        |           |           |         |
| *****                    |                |           |         |        |           |           |         |

SYSTEM NO. 62, 5614-P-502-S SH. 1 OF 4 (REF. DWG. NO. 4-825)

|        |                                      |              |    |           |           |                       |
|--------|--------------------------------------|--------------|----|-----------|-----------|-----------------------|
| 237100 | 8"-SI-2405-7<br>VALVE 4-844B TO PIPE | C-F<br>C5.11 | PT | NDE 3.3-5 | C X - - - | 4/20/93 - PT COMPLETE |
|--------|--------------------------------------|--------------|----|-----------|-----------|-----------------------|

\*\*\*N/A\*\*\*

|        |                                 |              |    |           |           |                       |
|--------|---------------------------------|--------------|----|-----------|-----------|-----------------------|
| 237200 | 8"-SI-2405-8<br>PIPE TO REDUCER | C-F<br>C5.11 | PT | NDE 3.3-5 | C X - - - | 4/20/93 - PT COMPLETE |
|--------|---------------------------------|--------------|----|-----------|-----------|-----------------------|

\*\*\*N/A\*\*\*

|        |                                   |              |    |           |           |                       |
|--------|-----------------------------------|--------------|----|-----------|-----------|-----------------------|
| 237300 | 8"-SI-2405-9<br>REDUCER TO FLANGE | C-F<br>C5.11 | PT | NDE 3.3-5 | C X - - - | 4/20/93 - PT COMPLETE |
|--------|-----------------------------------|--------------|----|-----------|-----------|-----------------------|

\*\*\*N/A\*\*\*

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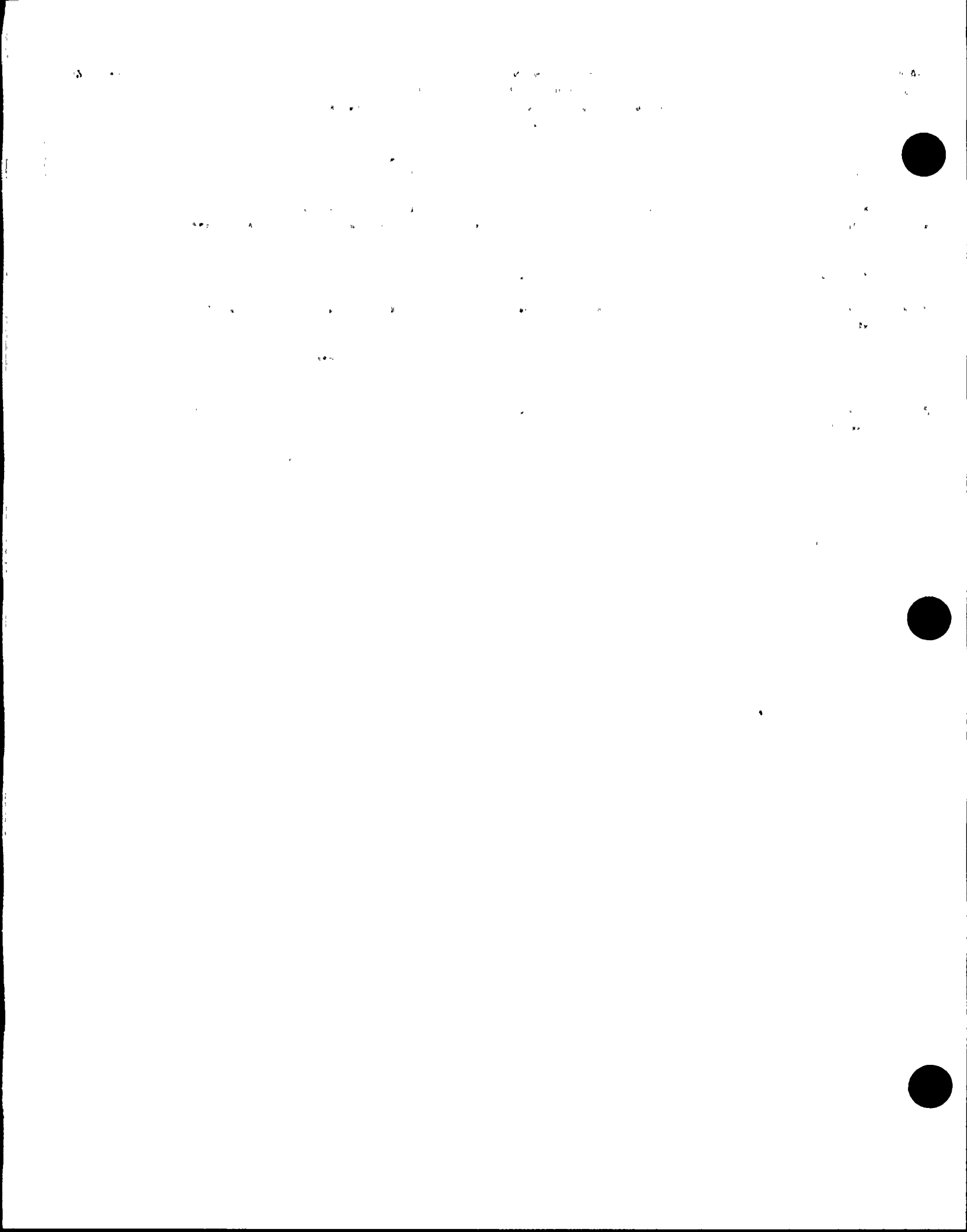
DATE: 08/11/93  
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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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COOLANT HEAT REMOVAL SYSTEM INSIDE CONTAINMENT

| CORE NUMBER: 089  |  | ASME         |        |            | N I O     |                                      |
|---|--|--------------|--------|------------|-----------|--------------------------------------|
|   |  | SEC. XI      |        |            | S O N G T |                                      |
| SUMMARY EXAMINATION AREA  |  | CATGY        | EXAM   |            | T R S E H |                                      |
| NUMBER  | IDENTIFICATION                                   | ITEM NO      | METHOD | PROCEDURE  | A E I O E | REMARKS                              |
|   |  |              |        |            | T C G M R | **CALIBRATION BLOCK**                |
| <u>SYSTEM NO. 50, 5614-P-509-S SH. 1 OF 4 (REF. DWG. NO. 4-B27)</u> |  |              |        |            |           |                                      |
| 238950  | 4-89-A1<br>ANCHOR<br>CTMT, 26'0"                 | F-B<br>F2.10 | VT-3   | NDE 4.3-71 | C X - - - | 4/26/93 - VT COMPLETE<br><br>**N/A** |
| 238960  | 4-89-A1 1A<br>INTEGRAL ATTACHMENT<br>CTMT, 26'0" | C-C<br>C2.30 | PT     | NDE 3.3-22 | C X - - - | 4/24/93 - PT COMPLETE<br><br>**N/A** |
| 241350  | SR-445<br>BOX RESTRAINT<br>CTMT, 18'4"           | F-B<br>F2.10 | VT-3   | NDE 4.3-70 | C X - - - | 4/26/93 - VT COMPLETE<br><br>**N/A** |



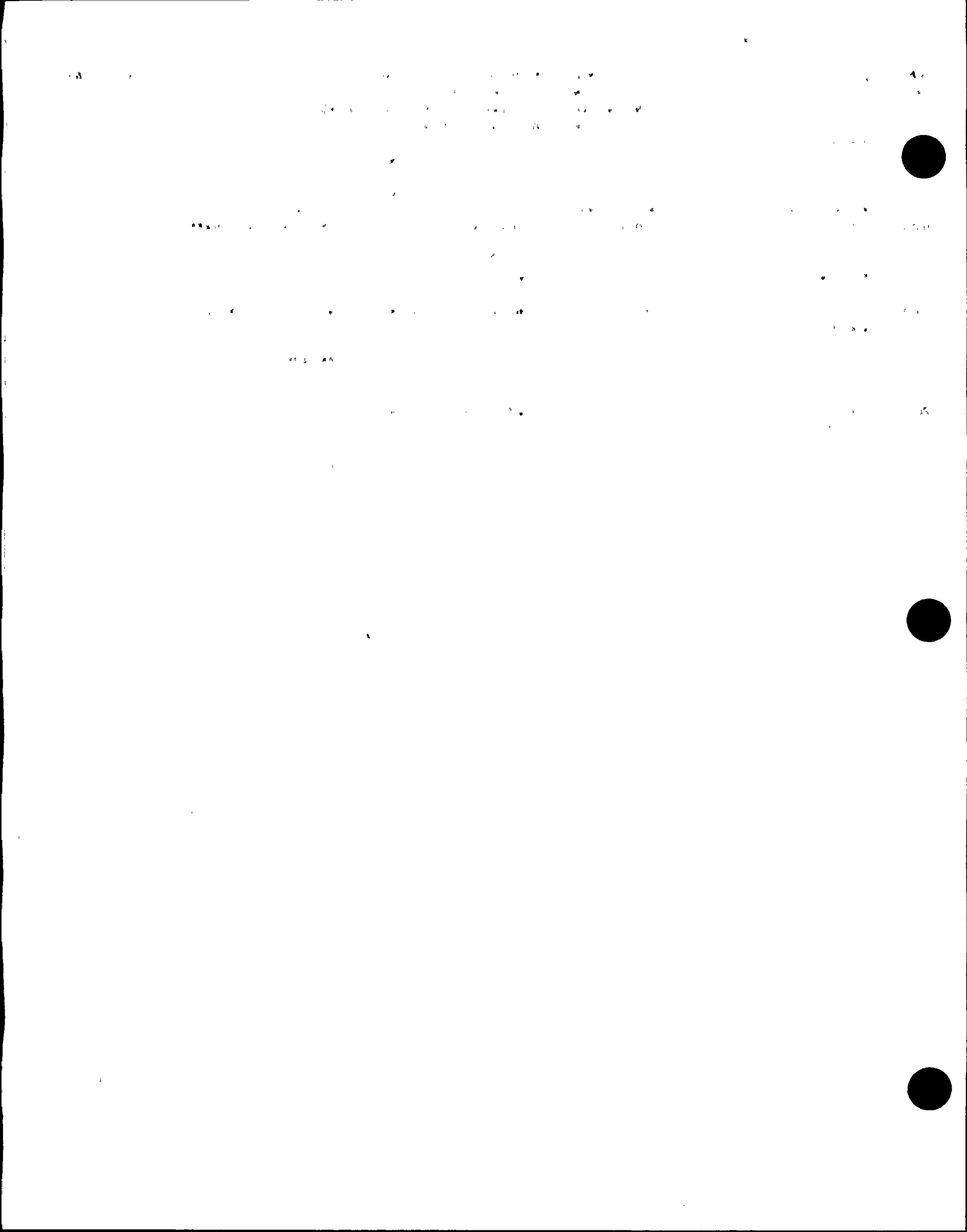
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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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INDUAL HEAT REMOVAL SYSTEM OUTSIDE CONTAINMENT

| CORE NUMBER: 090  |   | ASME         |                      |                                      | N I O                           |  |       |
|---|---|--------------|----------------------|--------------------------------------|---------------------------------|--|-------|
|   |   | SEC. XI      |                      |                                      | S O N G T                       |  |       |
| SUMMARY EXAMINATION AREA  |   | CATGY        | EXAM                 |                                      | T R S E H                       |  |       |
| NUMBER  | IDENTIFICATION                                    | ITEM NO      | METHOD               | PROCEDURE                            | A E I O E                       | REMARKS  |       |
| -----   |   | -----        | -----                | -----                                | T C G H R                       | **CALIBRATION BLOCK**  | ----- |
| <u>SYSTEM NO. 50, 5614-P-504-S SH. 1 OF 2 (REF. DWG. NO. 4-B28)</u> |   |              |                      |                                      |                                 |  |       |
| 245500  | 8"-SI-2408-14<br>PIPE TO ELBOW<br>19'0"           | C-F<br>C5.11 | PT                   | NDE 3.3-18                           | C X - - -                       | 4/25/93 - PT COMPLETE  |       |
|   |   |              |                      |                                      |                                 | **N/A**  |       |
| 245600  | 8"-SI-2408-15<br>ELBOW TO VALVE 4-10-872<br>20'0" | C-F<br>C5.11 | PT                   | NDE 3.3-18                           | C X - - -                       | 4/25/93 - PT COMPLETE  |       |
|   |   |              |                      |                                      |                                 | **N/A**  |       |
| 245700  | 8"-SI-2408-16<br>VALVE 4-10-872 TO ELBOW<br>20'0" | C-F<br>C5.21 | PT<br>UT 45<br>UT 60 | NDE 3.3-18<br>NDE 5.4-6<br>NDE 5.4-6 | C X - - -<br>- - X -<br>- - X - | 4/25/93 - PT COMPLETE, 4/29/93 - UT<br>COMPLETE, COUNTERBORE AND ROOT GEOMETRY |       |
|   |   |              |                      |                                      |                                 | **UT-41**  |       |
| 900   | 8"-SI-2408-17<br>ELBOW TO ELBOW<br>25'0"          | C-F<br>C5.21 | PT<br>UT 45<br>UT 60 | NDE 3.3-18<br>NDE 5.4-6<br>NDE 5.4-6 | C X - - -<br>- - X -<br>- - X - | 4/25/93 - PT COMPLETE; 4/29/93 - UT<br>COMPLETE, ROOT AND COUNTERBORE GEOMETRY |       |
|   |   |              |                      |                                      |                                 | **UT-41**  |       |
| 246100  | 8"-SI-2408-18<br>ELBOW TO PENETRATION 11<br>26'0" | C-F<br>C5.21 | PT<br>UT 45<br>UT 60 | NDE 3.3-18<br>NDE 5.4-6<br>NDE 5.4-6 | C X - - -<br>- - X -<br>X - - - | 4/25/93 - PT COMPLETE; 4/29/93 - UT<br>COMPLETE, ROOT GEOMETRY                 |       |
|   |   |              |                      |                                      |                                 | **UT-41**  |       |



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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

PAGE: 47

SAFETY INJECTION PUMP D SUCTION

| ZONE NUMBER: 093         |                | ASME    | N I O     |           |                                 |
|--------------------------|----------------|---------|-----------|-----------|---------------------------------|
|                          |                | SEC. XI | S O N G T |           |                                 |
| SUMMARY EXAMINATION AREA |                | CATGY   | EXAM      | T R S E H |                                 |
| NUMBER                   | IDENTIFICATION | ITEM NO | METHOD    | PROCEDURE | A E I O E REMARKS               |
| -----                    |                | -----   | -----     | -----     | T C G M R **CALIBRATION BLOCK** |

SYSTEM NO. 62, 5614-P-502-S SH. 4 OF 4 (REF. DWG. NO. 4-B31)

|        |                               |              |    |           |                                 |
|--------|-------------------------------|--------------|----|-----------|---------------------------------|
| 249400 | 6"-SI-2402-3<br>ELBOW TO PIPE | C-F<br>C5.11 | PT | NDE 3.3-4 | C X - - - 4/16/93 - PT COMPLETE |
|--------|-------------------------------|--------------|----|-----------|---------------------------------|

\*\*\*N/A\*\*

|        |   |              |    |           |                                 |
|--------|---|--------------|----|-----------|---------------------------------|
| 249440 | 6"-SI-2402-3LD<br>2.5T OF LONG SEAM DOWNSTREAM<br>OF WELD 3 | C-F<br>C5.12 | PT | NDE 3.3-4 | C X - - - 4/16/93 - PT COMPLETE |
|--------|---|--------------|----|-----------|---------------------------------|

\*\*\*N/A\*\*

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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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RESIDUAL HEAT REMOVAL SYSTEM TO REFUELING CANAL

| SUMMARY EXAMINATION AREA |                | ASME    | EXAM  |        | N I O     |   |         | REMARKS |
|--------------------------|----------------|---------|-------|--------|-----------|---|---------|---------|
| NUMBER                   | IDENTIFICATION | SEC. XI | CATGY | METHOD | PROCEDURE | T | C G M R |         |
| -----                    |                |         |       |        |           |   |         |         |
| ***CALIBRATION BLOCK**   |                |         |       |        |           |   |         |         |

SYSTEM NO. 50, 5614-P-575-S SH. 1 OF 1 (REF. DWG. NO. 4-B32)

|        |  |              |    |            |   |   |       |                       |
|--------|--|--------------|----|------------|---|---|-------|-----------------------|
| 251300 | 6"-SI-2403-15<br>PIPE TO ELBOW<br>CTMT, 15'11" | C-F<br>C5.11 | PT | NDE 3.3-13 | C | X | - - - | 4/24/93 - PT COMPLETE |
|--------|--|--------------|----|------------|---|---|-------|-----------------------|

\*\*\*N/A\*\*

|        |   |              |    |            |   |   |       |                       |
|--------|---|--------------|----|------------|---|---|-------|-----------------------|
| 251400 | 6"-SI-2403-16<br>ELBOW TO PIPE<br>CTMT, 16'8" | C-F<br>C5.11 | PT | NDE 3.3-13 | C | X | - - - | 4/24/93 - PT COMPLETE |
|--------|---|--------------|----|------------|---|---|-------|-----------------------|

\*\*\*N/A\*\*



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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

PAGE: 49

CONTAINMENT SPRAY PUMP B DISCHARGE

| SUMMARY EXAMINATION AREA |                | ASME    |        |           | N I O     |                       |
|--------------------------|----------------|---------|--------|-----------|-----------|-----------------------|
| NUMBER                   | IDENTIFICATION | SEC. XI | CATGY  | EXAM      | S O N G T |                       |
|                          |                | ITEM NO | METHOD | PROCEDURE | T R S E H | REMARKS               |
|                          |                |         |        |           | A E I O E |                       |
|                          |                |         |        |           | T C G H R | **CALIBRATION BLOCK** |

SYSTEM NO. 68, 5614-P-511-S SH. 1 OF 1 (REF. DWG. NO. 4-B34)

|        |  |              |    |           |           |                       |
|--------|--|--------------|----|-----------|-----------|-----------------------|
| 255000 | 6"-CS-2402-1A<br>FLANGE TO REDUCING ELBOW<br>21'4" | C-F<br>C5.11 | PT | NDE 3.3-6 | C X - - - | 4/20/93 - PT COMPLETE |
|--------|--|--------------|----|-----------|-----------|-----------------------|

\*\*\*N/A\*\*\*

|        |   |              |    |           |           |                       |
|--------|---|--------------|----|-----------|-----------|-----------------------|
| 255200 | 6"-CS-2402-3<br>PIPE TO VALVE 4-880B<br>22'4" | C-F<br>C5.11 | PT | NDE 3.3-6 | C X - - - | 4/20/93 - PT COMPLETE |
|--------|---|--------------|----|-----------|-----------|-----------------------|

\*\*\*N/A\*\*\*

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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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ON INJECTION TANK DISCHARGE

|                          |         |        |           |  |           |                       |
|--------------------------|---------|--------|-----------|--|-----------|-----------------------|
| WIRE NUMBER: 098         | ASME    |        |           |  | N I O     |                       |
|                          | SEC. XI |        |           |  | S O N G T |                       |
| SUMMARY EXAMINATION AREA | CATGY   | EXAM   |           |  | T R S E H |                       |
| NUMBER IDENTIFICATION    | ITEM NO | METHOD | PROCEDURE |  | A E I O E | REMARKS               |
| -----                    | -----   | -----  | -----     |  | T C G M R | **CALIBRATION BLOCK** |
|                          |         |        |           |  | - - - -   |                       |

SYSTEM 62, 5614-P-783-S SH. 1 OF 3 (REF. DWG. NO. 4-835)

|        |                 |       |    |            |           |                      |
|--------|-----------------|-------|----|------------|-----------|----------------------|
| 257800 | 6"-CS-2404-1    | C-F   | PT | NDE 3.3-41 | C X - - - | 5/4/93 - PT COMPLETE |
|        | NOZZLE TO ELBOW | CS.11 |    |            |           |                      |

\*\*N/A\*\*

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1. The first part of the report is a general introduction to the subject of the study. It discusses the importance of the problem and the objectives of the research.

2. The second part of the report is a detailed description of the methods used in the study. It includes a discussion of the experimental design, the data collection procedures, and the statistical methods used for data analysis.

3. The third part of the report is a discussion of the results of the study. It presents the findings of the research and discusses their implications for the field of study.

4. The fourth part of the report is a conclusion and a summary of the main findings of the study.



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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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NEW STEAM SYSTEM LOOP A INSIDE CONTAINMENT

| SUMMARY EXAMINATION AREA |                | ASME    | EXAM  |        | N I O     |           | REMARKS |
|--------------------------|----------------|---------|-------|--------|-----------|-----------|---------|
| NUMBER                   | IDENTIFICATION | SEC. XI | CATGY | METHOD | PROCEDURE | S O N G T |         |
|                          |                | ITEM NO |       |        |           | T R S E H |         |
|                          |                |         |       |        |           | A E I O E |         |
|                          |                |         |       |        |           |           |         |
| -----                    |                |         |       |        |           |           |         |
|                          |                |         |       |        |           |           |         |
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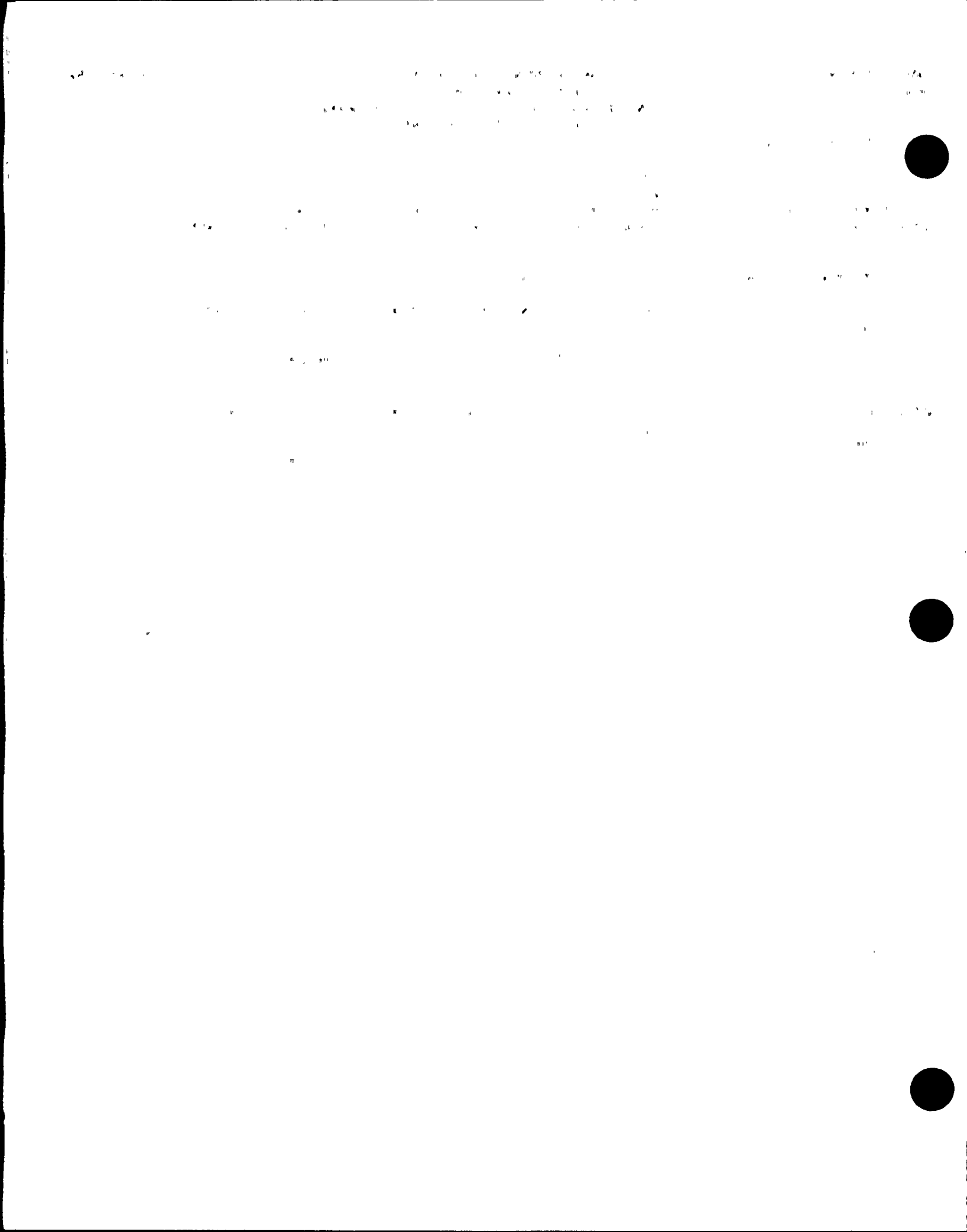
SYSTEM NO. 72, 5614-P-559-S SH. 1 OF 1 (REF. DWG. NO. 4-837)

|        |                                   |              |    |            |           |                      |
|--------|-----------------------------------|--------------|----|------------|-----------|----------------------|
| 259500 | 4-99-A1<br>ANCHOR<br>CTMT, 54'10" | F-B<br>F2.10 | VT | NDE 4.3-85 | C X - - - | 5/4/93 - VT COMPLETE |
|--------|-----------------------------------|--------------|----|------------|-----------|----------------------|

\*\*N/A\*\*

|        |   |              |    |            |           |                      |
|--------|---|--------------|----|------------|-----------|----------------------|
| 259550 | 4-99-A1 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 54'10" | C-C<br>C3.20 | MT | NDE 2.2-11 | C X - - - | 5/4/93 - MT COMPLETE |
|--------|---|--------------|----|------------|-----------|----------------------|

\*\*N/A\*\*





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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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IN STEAM SYSTEM LOOP B INSIDE CONTAINMENT

| SUMMARY EXAMINATION AREA |                | ASME    |        |           | N I O     |                       |
|--------------------------|----------------|---------|--------|-----------|-----------|-----------------------|
| NUMBER                   | IDENTIFICATION | SEC. XI | CATGY  | EXAM      | S O N G T |                       |
|                          |                | ITEM NO | METHOD | PROCEDURE | T R S E H | REMARKS               |
|                          |                |         |        |           | A E I O E |                       |
|                          |                |         |        |           | T C G H R | **CALIBRATION BLOCK** |

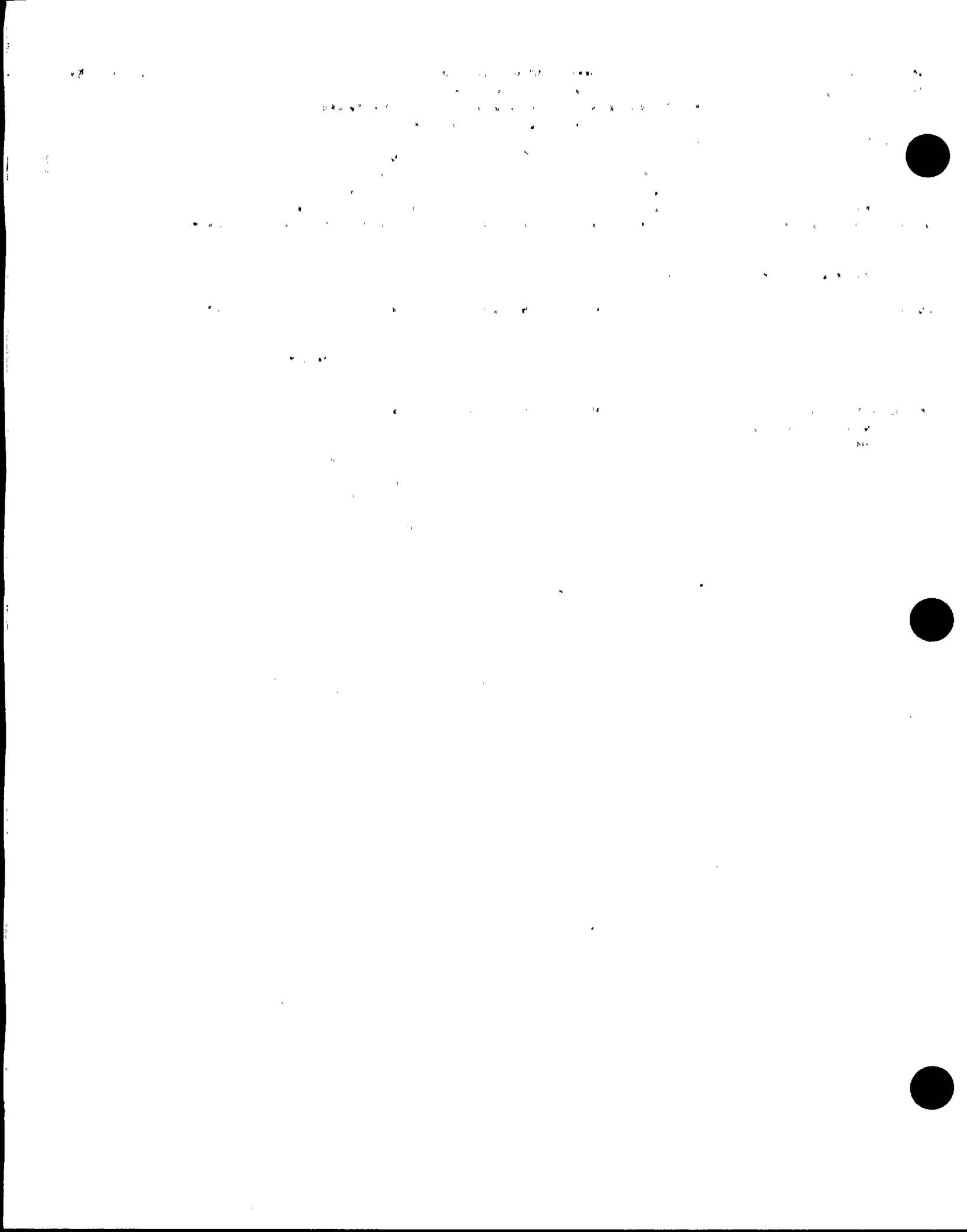
SYSTEM NO. 72, 5614-P-560-S SH. 1 OF 1 (REF. DWG. NO. 4-B38)

|        |                                    |              |      |            |           |                      |
|--------|------------------------------------|--------------|------|------------|-----------|----------------------|
| 260600 | 4-100-A1<br>ANCHOR<br>CTMT, 54'10" | F-B<br>F2.10 | VT-3 | NDE 4.3-86 | C X - - - | 5/6/93 - VT COMPLETE |
|--------|------------------------------------|--------------|------|------------|-----------|----------------------|

\*\*N/A\*\*

|        |  |              |    |            |           |                      |
|--------|--|--------------|----|------------|-----------|----------------------|
| 260650 | 4-100-A1 1A<br>INTEGRAL ATTACHMENT<br>CTMT, 54'10" | C-C<br>C3.20 | MT | NDE 2.2-14 | C X - - - | 5/5/93 - MT COMPLETE |
|--------|--|--------------|----|------------|-----------|----------------------|

\*\*N/A\*\*



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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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TEAM GENERATOR A BLOWDOWN INSIDE CONTAINMENT

| CORE NUMBER: 105   |   | ASME         |                      |                                     | N I O                           |  |
|--|---|--------------|----------------------|-------------------------------------|---------------------------------|--|
|  |   | SEC. XI      |                      |                                     | S O N G T                       |  |
| SUMMARY  | EXAMINATION AREA  | CATGY        | EXAM                 |                                     | T R S E H                       | REMARKS  |
| NUMBER   | IDENTIFICATION  | ITEM NO      | METHOD               | PROCEDURE                           | A E I O E<br>T C G H R          | **CALIBRATION BLOCK**  |
| <u>SYSTEM NO. 71, 5614-P-790-S SH. 2 OF 3 (REF. DWG. NO. 4-B49A)</u> |   |              |                      |                                     |                                 |  |
| 268760   | 78102B-H-420-12 1A<br>INTEGRAL ATTACHMENTS<br>CTMT, 32'6" | C-C<br>C3.20 | MT                   | NDE 2.2-9                           | C X - - -                       | 5/3/93 - MT COMPLETE<br><br>**N/A**  |
| 269860   | 78102B-H-420-09 1A<br>INTEGRAL ATTACHMENTS<br>CTMT, 25'8" | C-C<br>C3.20 | MT                   | NDE 2.2-9                           | C X - - -                       | 5/3/93 - MT COMPLETE<br><br>**N/A**  |
| <u>SYSTEM NO. 71, 5614-P-790-S SH. 1 OF 3 (REF. DWG. NO. 4-B49B)</u> |   |              |                      |                                     |                                 |  |
| 270200   | 6"-BDA-2401-17<br>PIPE TO PIPE<br>CTMT, 20'6"             | C-F<br>C5.21 | MT<br>UT 45<br>UT 60 | NDE 2.2-7<br>NDE 5.2-1<br>NDE 5.2-1 | C X - - -<br>- - X -<br>X - - - | 5/3/93 - MT COMPLETE, 5/4/93 - UT<br>COMPLETE, ROOT GEOMETRY<br><br>**UT-22**                                    |
| 270220   | 78102B-H-420-08<br>BOX RESTRAINT<br>CTMT, 21'0"           | F-B<br>F2.10 | VT-3                 | NDE 4.3-82                          | C X - - -                       | 5/3/93 - VT COMPLETE<br><br>**N/A**  |
| 270240   | 78102B-H-420-08 1A<br>INTEGRAL ATTACHMENTS<br>CTMT, 21'0" | C-C<br>C3.20 | MT                   | NDE 2.2-8                           | C X - - -                       | 5/3/93 - MT COMPLETE<br><br>**N/A**  |
| 270440   | 78102B-H-420-03<br>BOX RESTRAINT<br>CTMT, 26'0"           | F-B<br>F2.10 | VT-3<br>CNR<br>CR    | NDE 4.3-67<br>93-4-050<br>93-300    | C - - - X                       | 4/24/93 - VT COMPLETE, SUPPORT DOES NOT<br>MATCH DRAWING, ACCEPTED AS-IS BY<br>ENGINEERING EVALUATION<br>**N/A** |
| 270460   | 78102B-H-420-03 1A<br>INTEGRAL ATTACHMENT<br>CTMT, 26'0"  | C-C<br>C3.20 | MT                   | NDE 2.2-3                           | C X - - -                       | 4/22/93 - MT COMPLETE<br><br>**N/A**   |

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TURKEY POINT NUCLEAR PLANT UNIT 4  
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STEAM GENERATOR A BLOWDOWN INSIDE CONTAINMENT

| SUNMARY EXAMINATION AREA   |   | ASME         |        |            | N I O     |   |
|--|---|--------------|--------|------------|-----------|---|
| NUMBER   | IDENTIFICATION  | SEC. XI      | CATGY  | EXAM       | S O N G T | REMARKS   |
|  |   | ITEM NO      | METHOD | PROCEDURE  | T R S E H |   |
|  |   |              |        |            | A E I O E |   |
|  |   |              |        |            | T C G M R | **CALIBRATION BLOCK**   |
| <u>SYSTEM NO. 71, 5614-P-790-S SH. 1 OF 3 (REF. DWG. NO. 4-B498)</u> |   |              |        |            |           |   |
| 270540   | 78102B-H-420-02<br>BOX RESTRAINT<br>CTMT, 26'0"           | F-B<br>F2.10 | VT-3   | NDE 4.3-81 | C X - - - | 5/3/93 - VT COMPLETE<br><br>**N/A**   |
| 270560   | 78102B-H-420-02 1A<br>INTEGRAL ATTACHMENTS<br>CTMT, 26'0" | C-C<br>C3.20 | PT     | NDE 3.3-39 | C X - - - | 5/4/93 - PT COMPLETE, ACCEPTABLE ROUNDED<br>AND LINEAR INDICATIONS<br><br>**N/A** |
| 270760   | 78102B-H-420-01 1A<br>INTEGRAL ATTACHMENTS<br>CTMT, 26'0" | C-C<br>C3.20 | PT     | NDE 3.3-42 | C X - - - | 5/3/93 - PT COMPLETE<br><br>**N/A**   |

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
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REACTOR GENERATOR B BLOWDOWN INSIDE CONTAINMENT

| CORE NUMBER: 106         |                | ASME    |        |           | N I O     |                       |
|--------------------------|----------------|---------|--------|-----------|-----------|-----------------------|
|                          |                | SEC. XI |        |           | S O N G T |                       |
| SUMMARY EXAMINATION AREA |                | CATGY   | EXAM   |           | T R S E H |                       |
| NUMBER                   | IDENTIFICATION | ITEM NO | METHOD | PROCEDURE | A E I O E | REMARKS               |
| -----                    |                | -----   | -----  | -----     | T C G H R | **CALIBRATION BLOCK** |

SYSTEM NO. 71, 5614-P-791-S SH. 1 OF 1 (REF. DWG. NO. 4-B50A)

|        |  |              |    |            |           |                      |
|--------|--|--------------|----|------------|-----------|----------------------|
| 272960 | 78102B-H-421-06 1A<br>INTEGRAL ATTACHMENTS<br>CTMT, 33'11" | C-C<br>C3.20 | MT | NDE 2.2-10 | C X - - - | 5/3/93 - MT COMPLETE |
|--------|--|--------------|----|------------|-----------|----------------------|

\*\*N/A\*\*

SYSTEM NO. 71, 5614-P-791-S SH. 1 OF 1 (REF. DWG. NO. 4-B50B)

|        |   |              |      |            |           |                      |
|--------|---|--------------|------|------------|-----------|----------------------|
| 273650 | 78102B-H-421-02<br>BOX RESTRAINT<br>CTMT, 25'0" | F-B<br>F2.10 | VT-3 | NDE 4.3-84 | C X - - - | 5/3/93 - VT COMPLETE |
|--------|---|--------------|------|------------|-----------|----------------------|

\*\*N/A\*\*

|        |   |              |                       |  |                      |   |
|--------|---|--------------|-----------------------|--|----------------------|---|
| 273660 | 78102B-H-421-02 1A<br>INTEGRAL ATTACHMENTS<br>CTMT, 25'0" | C-C<br>C3.20 | PT<br>PT<br>CNR<br>CR | NDE 3.3-40<br>NDE 3.3-44<br>93-4-090<br>93-415 | C - - - X<br>X - - - | 5/4/93 - PT COMPLETE, ALIGNED ROUNDED<br>INDICATIONS, INDICATIONS REMOVED,<br>SURFACE ANOMOLY |
|--------|---|--------------|-----------------------|--|----------------------|---|

\*\*N/A\*\*

|        |   |              |      |            |           |                      |
|--------|---|--------------|------|------------|-----------|----------------------|
| 273850 | 78102B-H-421-01<br>BOX RESTRAINT<br>CTMT, 25'0" | F-B<br>F2.10 | VT-3 | NDE 4.3-83 | C X - - - | 5/3/93 - VT COMPLETE |
|--------|---|--------------|------|------------|-----------|----------------------|

\*\*N/A\*\*

|        |   |              |    |            |           |                      |
|--------|---|--------------|----|------------|-----------|----------------------|
| 273860 | 78102B-H-421-01 1A<br>INTEGRAL ATTACHMENTS<br>CTMT, 25'0" | C-C<br>C3.20 | PT | NDE 3.3-43 | C X - - - | 5/4/93 - PT COMPLETE |
|--------|---|--------------|----|------------|-----------|----------------------|

\*\*N/A\*\*

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TURKEY POINT NUCLEAR PLANT UNIT 4  
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CLASS 2 ALL STATUS COMPONENTS

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TEAM GENERATOR C BLOWDOWN INSIDE CONTAINMENT

| CORE NUMBER: 107         |                | ASME    |        |           | N I O     |                       |
|--------------------------|----------------|---------|--------|-----------|-----------|-----------------------|
|                          |                | SEC. XI |        |           | S O N G T |                       |
| SUMMARY EXAMINATION AREA |                | CATGY   | EXAM   |           | T R S E H |                       |
| NUMBER                   | IDENTIFICATION | ITEM NO | METHOD | PROCEDURE | A E I O E | REMARKS               |
|                          |                |         |        |           | T C G H R | **CALIBRATION BLOCK** |

SYSTEM NO. 71, 5614-P-785-S SH. 1 OF 3 (REF. DWG. NO. 4-B51B)

|        |   |              |      |            |           |                       |
|--------|---|--------------|------|------------|-----------|-----------------------|
| 276450 | 78102B-H-422-03<br>BOX RESTRAINT<br>CTMT, 25'0" | F-B<br>F2.10 | VT-3 | NDE 4.3-74 | C X - - - | 4/28/93 - VT COMPLETE |
|--------|---|--------------|------|------------|-----------|-----------------------|

\*\*\*N/A\*\*

|        |  |              |    |           |           |                       |
|--------|--|--------------|----|-----------|-----------|-----------------------|
| 276460 | 78102B-H-422-03 1A<br>INTEGRAL ATTACHMENT<br>CTMT, 25'0" | C-C<br>C3.20 | MT | NDE 2.2-5 | C X - - - | 4/28/93 - MT COMPLETE |
|--------|--|--------------|----|-----------|-----------|-----------------------|

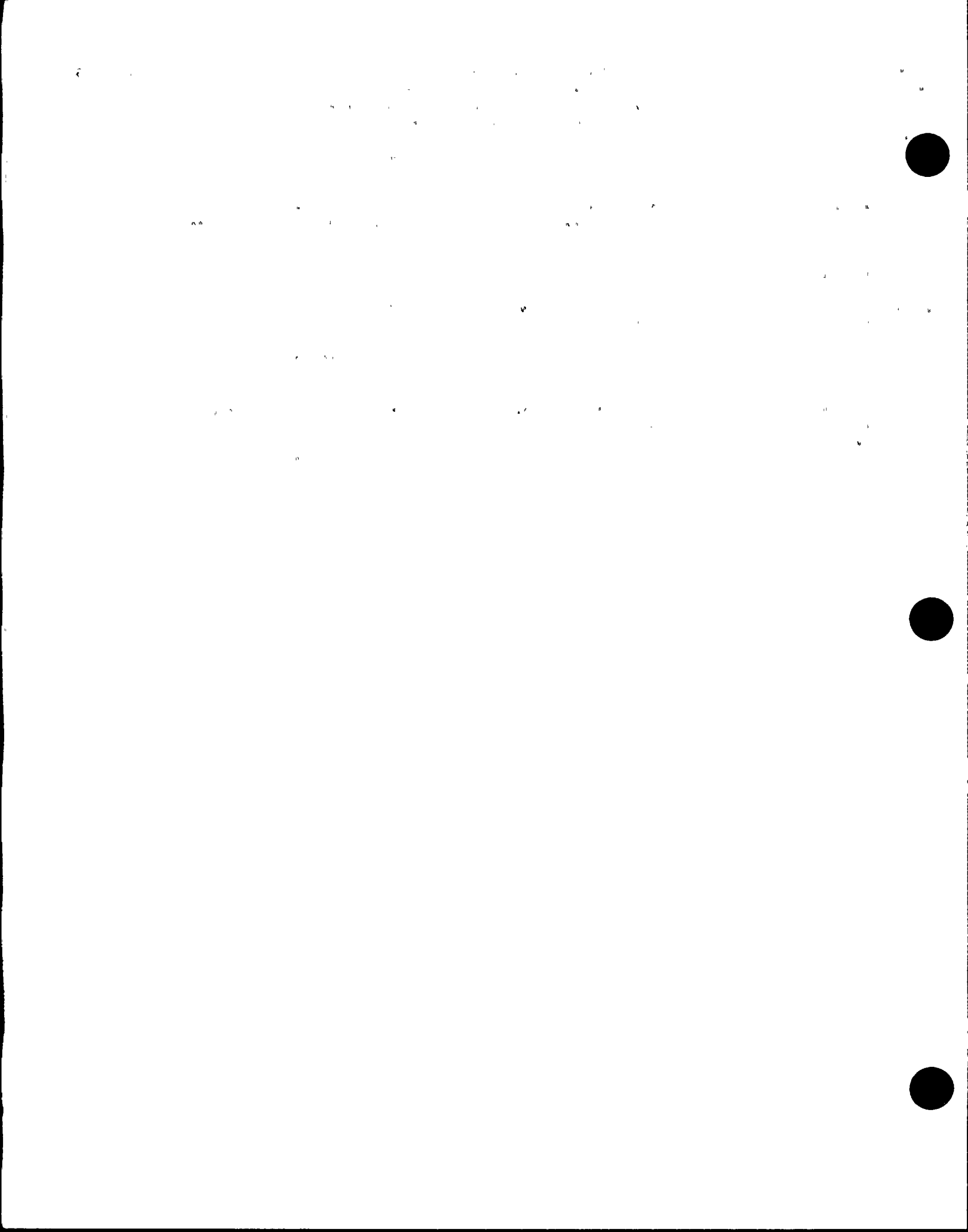
\*\*\*N/A\*\*

|        |  |              |      |            |           |                       |
|--------|--|--------------|------|------------|-----------|-----------------------|
| 276540 | 78102B-H-422-02<br>PIPE SUPPORT<br>CTMT, 25'0" | F-B<br>F2.10 | VT-3 | NDE 4.3-75 | C X - - - | 4/28/93 - VT COMPLETE |
|--------|--|--------------|------|------------|-----------|-----------------------|

\*\*\*N/A\*\*

|     |  |              |    |           |           |                       |
|-----|--|--------------|----|-----------|-----------|-----------------------|
| 560 | 78102B-H-422-02 1A<br>INTEGRAL ATTACHMENT<br>CTMT, 25'0" | C-C<br>C3.20 | MT | NDE 2.2-4 | C X - - - | 4/28/93 - MT COMPLETE |
|-----|--|--------------|----|-----------|-----------|-----------------------|

\*\*\*N/A\*\*



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TURKEY POINT NUCLEAR PLANT UNIT 4  
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IN FEEDWATER SYSTEM LOOP A

| S U M M A R Y   E X A M I N A T I O N   A R E A               |   | A S M E                                       |   | N I O  |   | R E M A R K S  |
|---|---|---|---|--|---|--|
| N U M B E R   I D E N T I F I C A T I O N                     |   | S E C . X I                                   |   | S O N G T  |   |  |
|   |   | C A T G Y   E X A M                           |   | T R S E H  |   |  |
|   |   | I T E M N O   M E T H O D   P R O C E D U R E |   | A E I O E  |   |  |
| -----   |   |   |   | T C G M R  |   | **CALIBRATION BLOCK**  |
| SYSTEM NO. 74, 5614-P-557-S SH. 1 OF 1 (REF. DWG. NO. 4-B55B) |   |   |   |  |   |  |
| 282245  | 4-FWH-19A 1A<br>INTEGRAL ATTACHMENTS<br>CTMT, 51'10"                        | C-C<br>C3.20                                  | MT  | NDE 2.2-16   | C X - - -   | 5/8/93 - MT COMPLETE<br><br>**N/A**  |
| 282950  | 14"-FWA-2401-28<br>PIPE TO REDUCER<br>CTMT, 68'5"                           | C-F<br>C5.21                                  | MT<br>MT<br>UT 0<br>UT 45<br>UT 60<br>UT 70<br>UT 0<br>UT 45<br>UT 60 | NDE 2.2-19<br>NDE 2.2-23<br>NDE 5.2-6<br>NDE 5.2-6<br>NDE 5.2-6<br>NDE 5.2-6<br>NDE 5.2-10<br>NDE 5.2-10<br>NDE 5.2-10 | C X - - -<br>X - - -<br>X - - -<br>- - X -<br>- - X -<br>- - X -<br>X - - -<br>- - X -<br>- - X - | 5/15/93 - MT AND UT COMPLETE BEFORE HEAT<br>TREATMENT, 5-17-93 - MT AND UT COMPLETE<br>AFTER HEAT TREATMENT, ROOT AND<br>COUNTERBORE GEOMETRY, BASELINE<br>EXAMINATION<br>**UT-20**  |
| 283050  | 18"-FWA-2401-29<br>REDUCER TO NOZZLE<br>CTMT, 68'5"                         | C-F<br>C5.21                                  | MT<br>MT<br>UT 0<br>UT 45<br>UT 60<br>UT 0<br>UT 45<br>UT 60          | NDE 2.2-20<br>NDE 2.2-23<br>NDE 5.2-5<br>NDE 5.2-5<br>NDE 5.2-5<br>NDE 5.2-9<br>NDE 5.2-9<br>NDE 5.2-9                 | C X - - -<br>X - - -<br>X - - -<br>- - X -<br>- - X -<br>X - - -<br>- - X -<br>- - X -            | 5/15/93 - MT AND UT COMPLETE BEFORE HEAT<br>TREATMENT, 5/17/93 - MT AND UT COMPLETE<br>AFTER HEAT TREATMENT, ROOT GEOMETRY,<br>BASELINE EXAMINATION<br>**UT-29**   |
| 284460  | AUGMENTED EXAM<br>STEAM GENERATOR FEEDWATER<br>NOZZLE PIPING<br>CTMT, 68'5" | IE BUL<br>79-13                               | UT<br>VT-1<br>CNR<br>CR<br>PWO<br>UT                                  | NDE 5.16-1<br>NDE 4.1-14<br>93-4-069<br>93-370<br>93013356<br>NDE 5.16-4   | C - - - X<br>X - - -<br><br><br><br>- - X -   | 5/1/93 - CRACKLIKE INDICATIONS FOUND IN<br>THE NOZZLE TO REDUCER WELD, VISUAL<br>EXAMINATION PERFORMED ON INSIDE SURFACE<br>OF NOZZLE AFTER REDUCER REMOVAL, REDUCER<br>WAS REPLACED AND A BASELINE EXAMINATION<br>PERFORMED<br>**UT-20, UT-29** |

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TURKEY POINT NUCLEAR PLANT UNIT 4  
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FEEDWATER SYSTEM LOOP B

| SUMMARY EXAMINATION AREA                                     |   | ASME            |  |  | H I O     |  | REMARKS  |  |
|--|---|-----------------|--|--|-----------|--|--|--|
| NUMBER   | IDENTIFICATION  | SEC. XI         | CATGY  | EXAM   | S O N G T |  |  |  |
|  |   | ITEM NO         |  |  | T R S E H |  |  |  |
|  |   | METHOD          |  |  | A E I O E |  |  |  |
|  |   |                 |  | PROCEDURE  | T C G H R |  | **CALIBRATION BLOCK**  |  |
| -----  |   |                 |  |  |           |  |  |  |
| SYSTEM NO. 74, 5614-P-558-S SH. 1 OF 1 (REF. DWG. NO. 4-B56) |   |                 |  |  |           |  |  |  |
| 285960   | 80116-R-005-01 1A<br>INTEGRAL ATTACHMENTS<br>CTMT, 60'3"                    | C-C<br>C3.20    | MT   | NDE 2.2-12   | C         | X - - -  | 5/5/93 - MT COMPLETE   |  |
| ***N/A***  |   |                 |  |  |           |  |  |  |
| 286550   | 14"-FWB-2402-20<br>PIPE TO PIPE<br>CTMT, 68'6"                              | C-F<br>C5.21    | MT<br>MT<br>UT 0<br>UT 45<br>UT 60<br>UT 70<br>UT 45<br>UT 60<br>UT 70<br>UT 0 | NDE 2.2-21<br>NDE 2.2-24<br>NDE 5.2-8<br>NDE 5.2-8<br>NDE 5.2-8<br>NDE 5.2-8<br>NDE 5.2-11<br>NDE 5.2-11<br>NDE 5.2-11<br>NDE 5.2-12 | C         | X - - -<br>X - - -<br>X - - -<br>- - X -<br>- - X -<br>- - X -<br>- - X -<br>- - X -<br>- - X -<br>X - - - | 5/16/93 - MT AND UT COMPLETE BEFORE HEAT<br>TREATMENT, 5/18/93 - MT AND UT COMPLETE<br>AFTER HEAT TREATMENT, ROOT GEOMETRY,<br>BASELINE EXAMINATION<br>**UT-20**   |  |
| 286550   | 14"-FWB-2402-21<br>PIPE TO REDUCER<br>CTMT, 68'6"                           | C-F<br>C5.21    | MT<br>MT<br>UT 0<br>UT 45<br>UT 60<br>UT 45<br>UT 60<br>UT 70                  | NDE 2.2-17<br>NDE 2.2-24<br>NDE 5.2-2<br>NDE 5.2-2<br>NDE 5.2-2<br>NDE 5.2-14<br>NDE 5.2-14<br>NDE 5.2-14                            | C         | X - - -<br>X - - -<br>X - - -<br>- - X -<br>- - X -<br>- - X -<br>- - X -<br>- - X -                       | 5/11/93 - MT AND UT COMPLETE BEFORE HEAT<br>TREATMENT, 5/18/93 - MT AND UT COMPLETE<br>AFTER HEAT TREATMENT, ROOT AND<br>COUNTERBORE GEOMETRY, BASELINE<br>EXAMINATION<br>**UT-20**  |  |
| 286750   | 18"-FWB-2402-22<br>REDUCER TO NOZZLE<br>CTMT, 68'6"                         | C-F<br>C5.21    | MT<br>MT<br>UT 0<br>UT 45<br>UT 60<br>UT 45<br>UT 60                           | NDE 2.2-22<br>NDE 2.2-24<br>NDE 5.2-7<br>NDE 5.2-7<br>NDE 5.2-7<br>NDE 5.2-13<br>NDE 5.2-13  | C         | X - - -<br>X - - -<br>X - - -<br>- - X -<br>- - X -<br>- - X -<br>- - X -                                  | 5/16/93 - MT AND UT COMPLETE BEFORE HEAT<br>TREATMENT, 5/18/93 - MT AND UT COMPLETE<br>AFTER HEAT TREATMENT, ROOT GEOMETRY,<br>BASELINE EXAMINATION<br>**UT-29**   |  |
| 286980   | AUGMENTED EXAM<br>STEAM GENERATOR FEEDWATER<br>NOZZLE PIPING<br>CTMT, 68'6" | 1E BUL<br>79-13 | UT<br>VT-1<br>CNR<br>CR<br>PWO<br>UT   | NDE 5.16-1<br>NDE 4.1-15<br>93-4-069<br>93-370<br>93013356<br>NDE 5.16-5   | C         | - - - X<br>X - - -<br>- - - -<br>- - - -<br>- - - -<br>- - X -   | 5/1/93 - CRACKLIKE INDICATIONS FOUND IN<br>THE NOZZLE TO REDUCER WELD, VISUAL<br>EXAMINATION PERFORMED ON THE INSIDE<br>SURFACE OF NOZZLE AFTER REDUCER REMOVAL,<br>REDUCER WAS REPLACED AND A BASELINE<br>EXAMINATION PERFORMED<br>**UT-20, UT-29** |  |

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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

PAGE: 59

FEEDWATER SYSTEM LOOP C

| ZONE NUMBER: 113   |   | ASME            |  |   | N I O  |   |  |
|--|---|-----------------|--|---|--|---|--|
|  |   | SEC. XI         |  |   | S O N G T  |   |  |
| SUMMARY  | EXAMINATION AREA  | CATGY           | EXAM   |   | T R S E H  |   |  |
| NUMBER   | IDENTIFICATION  | ITEM NO         | METHOD   | PROCEDURE   | A E I O E  | REMARKS   |  |
|  |   |                 |  |   | T C G M R  | **CALIBRATION BLOCK**   |  |
| -----  |   |                 |  |   |  |   |  |
| SYSTEM NO. 74, 5614-P-789-S SH. 1 OF 1 (REF. DWG. NO. 4-B57) |   |                 |  |   |  |   |  |
| 288440   | 80116-R-006-02 1A<br>INTEGRAL ATTACHMENTS<br>CTMT, 51'10"                   | C-C<br>C3.20    | MT   | NDE 2.2-15  | C X - - -  | 5/7/93 - MT COMPLETE  |  |
|  |   |                 |  |   |  | **N/A**   |  |
| 288670   | 80116-R-006-01 1A<br>INTEGRAL ATTACHMENTS<br>CTMT, 61'3"                    | C-C<br>C3.20    | MT   | NDE 2.2-13  | C X - - -  | 5/5/93 - MT COMPLETE  |  |
|  |   |                 |  |   |  | **H/A**   |  |
| 289050   | 14"-FWC-2403-19<br>PIPE TO PIPE<br>CTMT, 68'5"                              | C-F<br>C5.21    | UT 0<br>UT 45<br>UT 60                                       | NDE 5.2-15<br>NDE 5.2-15<br>NDE 5.2-15  | A X - - -<br>X - - -<br>X - - -  | 5/18/93 -UT COMPLETE  |  |
|  |   |                 |  |   |  | **UT-20**   |  |
| 150  | 14"-FWC-2403-20<br>PIPE TO REDUCER<br>CTMT, 68'5"                           | C-F<br>C5.21    | MT<br>MT<br>UT 0<br>UT 45<br>UT 60<br>UT 0<br>UT 45<br>UT 60 | NDE 2.2-18<br>NDE 2.2-25<br>NDE 5.2-3<br>NDE 5.2-3<br>NDE 5.2-3<br>NDE 5.2-15<br>NDE 5.2-15<br>NDE 5.2-15 | C X - - -<br>X - - -<br>X - - -<br>- - X -<br>- - X -<br>X - - -<br>- - X -<br>- - X - | 5/15/93 - MT AND UT COMPLETE BEFORE HEAT<br>TREATMENT, 5/18/93 - MT AND UT COMPLETE<br>AFTER HEAT TREATMENT, ROOT AND<br>COUNTERBORE GEOMETRY, BASELINE<br>EXAMINATION<br>**UT-20**   |  |
| 289250   | 18"-FWC-2403-21<br>REDUCER TO NOZZLE<br>CTMT, 68'5"                         | C-F<br>C5.21    | MT<br>MT<br>UT 0<br>UT 45<br>UT 60<br>UT 0<br>UT 45<br>UT 60 | NDE 2.2-18<br>NDE 2.2-25<br>NDE 5.2-4<br>NDE 5.2-4<br>NDE 5.2-4<br>NDE 5.2-16<br>NDE 5.2-16<br>NDE 5.2-16 | C X - - -<br>X - - -<br>X - - -<br>- - X -<br>- - X -<br>X - - -<br>- - X -<br>- - X - | 5/15/93 - MT AND UT COMPLETE BEFORE HEAT<br>TREATMENT, 5/18/93 - MT AND UT COMPLETE<br>AFTER HEAT TREATMENT, ROOT GEOMETRY,<br>BASELINE EXAMINATION<br>**UT-29**  |  |
| 289650   | AUGMENTED EXAM<br>STEAM GENERATOR FEEDWATER<br>NOZZLE PIPING<br>CTMT, 68'5" | IE BUL<br>79-13 | UT<br>VT-1<br>CNR<br>CR<br>PWO<br>UT                         | NDE 5.16-3<br>NDE 4.1-16<br>93-4-069<br>93-370<br>93013356<br>NDE 5.16-6                                  | C - - - X<br>X - - -<br>- - X -  | 4/23/93 - UT COMPLETE, CRACKLIKE<br>INDICATIONS FOUND IN THE NOZZLE TO<br>REDUCER WELD, VISUAL EXAMINATION<br>PERFORMED ON THE INSIDE SURFACE OF<br>NOZZLE AFTER REDUCER REMOVAL, REDUCER<br>WAS REPLACED AND A BASELINE EXAMINATION<br>PERFORMED<br>**UT-20, UT-29** |  |

12

1. The first part of the document is a list of names and addresses of the members of the committee. The names are listed in alphabetical order, and the addresses are listed in the order in which they appear in the list.

2. The second part of the document is a list of the names and addresses of the members of the committee who have been elected to the office of the chairperson. The names are listed in alphabetical order, and the addresses are listed in the order in which they appear in the list.

3. The third part of the document is a list of the names and addresses of the members of the committee who have been elected to the office of the secretary. The names are listed in alphabetical order, and the addresses are listed in the order in which they appear in the list.

4. The fourth part of the document is a list of the names and addresses of the members of the committee who have been elected to the office of the treasurer. The names are listed in alphabetical order, and the addresses are listed in the order in which they appear in the list.

5. The fifth part of the document is a list of the names and addresses of the members of the committee who have been elected to the office of the clerk. The names are listed in alphabetical order, and the addresses are listed in the order in which they appear in the list.

6. The sixth part of the document is a list of the names and addresses of the members of the committee who have been elected to the office of the assistant clerk. The names are listed in alphabetical order, and the addresses are listed in the order in which they appear in the list.



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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MAIN FEEDWATER BYPASS LOOP A

WELD NUMBER: 114

SUMMARY EXAMINATION AREA  
NUMBER IDENTIFICATION

ASME

SEC. XI

CATGY EXAM

ITEM NO METHOD PROCEDURE

N I O

S O N G T

T R S E H

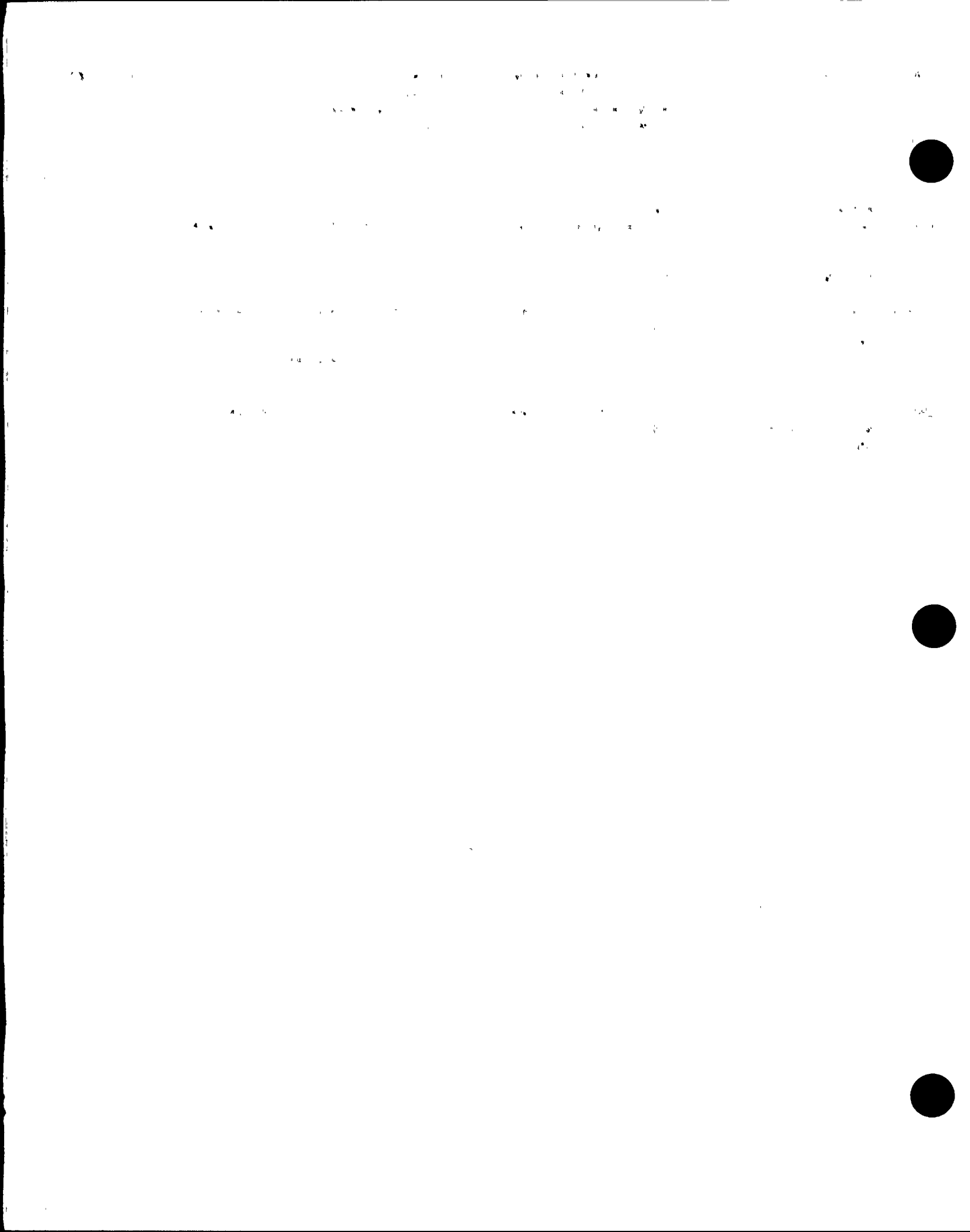
A E I O E REMARKS

T C G M R \*\*CALIBRATION BLOCK\*\*

SYSTEM NO. 74, 5614-P-770-S SH. 3 OF 4 (REF. DWG. NO. 4-B58)

|        |                      |       |      |            |           |  |
|--------|----------------------|-------|------|------------|-----------|--|
| 290100 | 7884-R-014-01        | F-C   | VT-3 | NDE 4.3-79 | C - - - X | 5/1/93 - VT COMPLETE, CHIPPED CONCRETE   |
|        | BOX RESTRAINT        | F3.10 | CNR  | 93-4-085   |           | AROUND BASE PLATE, PWO ISSUED TO CORRECT |
|        | 40'0"                |       | PWO  | 93007585   |           | AT A LATER DATE                          |
|        |                      |       |      |            |           | **N/A**                                  |
| 290150 | 7884-R-014-01 1A     | C-C   | MT   | NDE 2.2-6  | C X - - - | 4/29/93 - MT COMPLETE                    |
|        | INTEGRAL ATTACHMENTS | C3.20 |      |            |           |  |
|        | 40'0"                |       |      |            |           |  |

\*\*N/A\*\*



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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FEEDWATER BYPASS LOOP B

LINE NUMBER: 115

ASME

SEC. XI

CATGY EXAM

ITEM NO METHOD

PROCEDURE

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

REMARKS

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

SUMMARY EXAMINATION AREA  
NUMBER IDENTIFICATION

SYSTEM NO. 74, 5614-P-770-S SH. 2 OF 4 (REF. DWG. NO. 4-B59)

290850 7884-R-014-02 F-B VT-3 NDE 4.3-65 C X - - - 4/21/93 - VT COMPLETE  
BOX RESTRAINT F2.10  
40'0"

**\*\*N/A\*\***

290860 7884-R-014-02 1A C-C MT NDE 2.2-1 C X - - - 4/19/93 - MT COMPLETE  
INTEGRAL ATTACHMENTS C3.20  
40'0"

**\*\*N/A\*\***

$\mathbb{R}^n$

DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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FEEDWATER BYPASS LOOP C

| SUMMARY EXAMINATION AREA |                | ASME    |        |           | N I O     |                       |
|--------------------------|----------------|---------|--------|-----------|-----------|-----------------------|
| NUMBER                   | IDENTIFICATION | SEC. XI | CATGY  | EXAM      | S O N G T |                       |
|                          |                | ITEM NO | METHOD | PROCEDURE | T R S E H | REMARKS               |
|                          |                |         |        |           | A E I O E |                       |
|                          |                |         |        |           | T C G H R | **CALIBRATION BLOCK** |

SYSTEM NO. 74, 5614-P-770-S SH. 1 OF 4 (REF. DWG. NO. 4-B60)

|        |   |              |      |            |           |                       |
|--------|---|--------------|------|------------|-----------|-----------------------|
| 291600 | 7884-R-014-03<br>BOX RESTRAINT<br>40"O" | F-B<br>F2.10 | VT-3 | NDE 4.3-66 | C X - - - | 4/21/93 - VT COMPLETE |
|--------|---|--------------|------|------------|-----------|-----------------------|

\*\*N/A\*\*

|        |   |              |    |           |           |                       |
|--------|---|--------------|----|-----------|-----------|-----------------------|
| 291610 | 7884-R-014-03 IA<br>INTEGRAL ATTACHMENTS<br>40"O" | C-C<br>C3.20 | MT | NDE 2.2-2 | C X - - - | 4/19/93 - MT COMPLETE |
|--------|---|--------------|----|-----------|-----------|-----------------------|

\*\*N/A\*\*

THE  
FEDERAL BUREAU OF INVESTIGATION  
UNITED STATES DEPARTMENT OF JUSTICE

TO : DIRECTOR, FBI (100-374301) FROM : SAC, NEW YORK (100-100000)

SUBJECT: JAMES EARL RAY, AKA; ALLEGED ATTEMPT TO OBTAIN PASSPORT FOR TRIP TO AFRICA

RE:

NEW YORK TELETYPE TO BUREAU, APRIL TWENTY, LAST.

END

DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

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RESIDUAL HEAT EXCHANGER A

| SUMMARY EXAMINATION AREA      |  | ASME         |                |                        | N I O                |  |
|-------------------------------|--|--------------|----------------|------------------------|----------------------|--|
| NUMBER                        | IDENTIFICATION                             | SEC. XI      | CATGY          | EXAM                   | S O N G T            | REMARKS  |
|                               |  | ITEM NO      | METHOD         | PROCEDURE              | A E I O E            |  |
|                               |  |              |                |                        | T C G H R            | **CALIBRATION BLOCK**  |
| <u>(REF. DWG. NO. 4-V14A)</u> |  |              |                |                        |                      |  |
| 292400                        | 4-RHE-A1<br>HEAD TO SHELL                  | C-A<br>C1.20 | UT 45<br>UT 60 | NDE 5.4-5<br>NDE 5.4-5 | C - - X -<br>X - - - | 4/24/93 - UT COMPLETE, ROOT GEOMETRY<br><br>**UT-55**  |
| 292500                        | 4-RHE-A2<br>SHELL TO FLANGE                | C-A<br>C1.10 | UT 45<br>UT 60 | NDE 5.4-5<br>NDE 5.4-5 | C - - X -<br>- - X - | 2/24/93 - UT COMPLETE, ROOT GEOMETRY AND<br>WELDED ATTACHMENT ON THE INSIDE SURFACE<br><br>**UT-55** |
| 292630                        | 4-RHE-A9<br>REINFORCEMENT PLATE TO SHELL   | C-B<br>C2.31 | PT             | NDE 3.3-11             | C X - - -            | 4/23/93 - PT COMPLETE<br><br>**N/A**   |
| 292640                        | 4-RHE-A10<br>REINFORCEMENT PLATE TO NOZZLE | C-B<br>C2.31 | PT             | NDE 3.3-11             | C X - - -            | 4/23/93 - PT COMPLETE<br><br>**N/A**   |





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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 2 ALL STATUS COMPONENTS

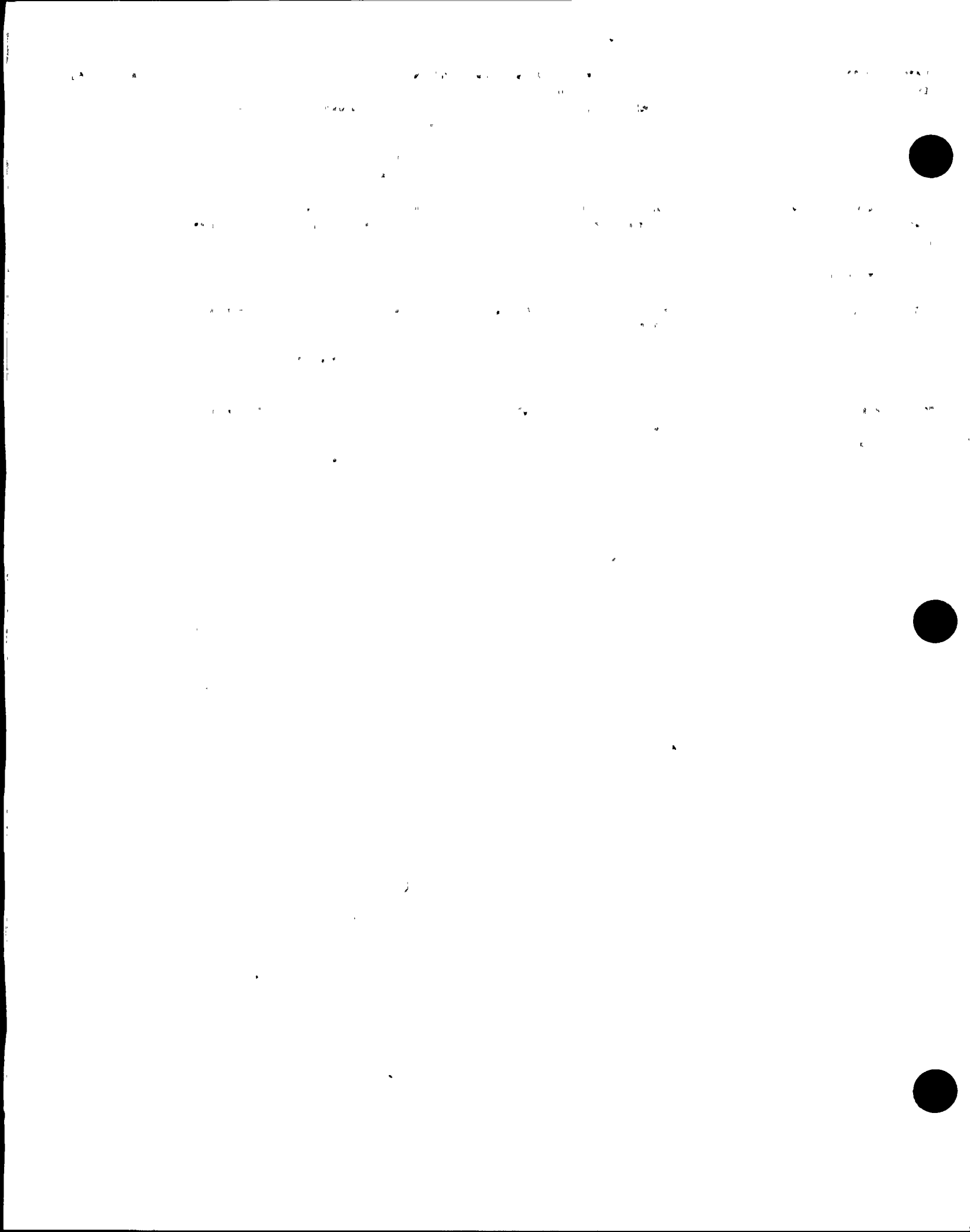
PAGE: 64

LESS LETDOWN HEAT EXCHANGER

| CORE NUMBER: 119         |                | ASME    |        |           | N I O     |                       |
|--------------------------|----------------|---------|--------|-----------|-----------|-----------------------|
|                          |                | SEC. XI |        |           | S O N G T |                       |
| SUMMARY EXAMINATION AREA |                | CATGY   | EXAM   |           | T R S E H |                       |
| NUMBER                   | IDENTIFICATION | ITEM NO | METHOD | PROCEDURE | A E I O E | REMARKS               |
|                          |                |         |        |           | T C G H R | **CALIBRATION BLOCK** |

ATLAS SERIAL NO. 846, NATIONAL BOARD NO. 697 (REF. DWG. NO. 4-V15)

|        |                   |       |       |           |           |  |
|--------|-------------------|-------|-------|-----------|-----------|--|
| 293700 | 4-LDHX-2          | C-A   | UT 45 | NDE 5.4-7 | C - - X - | 4/27/93 - UT COMPLETE, ROOT GEOMETRY,    |
|        | SHELL TO FLANGE   | C1.30 | UT 60 | NDE 5.4-7 | - - X -   | WELD ATTACHMENT, ROOT GEOMETRY FROM LONG |
|        | CTMT              |       |       |           |           | SEAM                                     |
|        |                   |       |       |           |           | **UT-41**                                |
| 293750 | 4-LDHX-2LS        | ---   | UT 45 | NDE 5.4-7 | C - - X - | 4/27/93 - UT COMPLETE, ROOT GEOMETRY,    |
|        | LONGITUDINAL SEAM | ---   |       |           |           | WELD WAS FOUND DURING EXAMINATION OF     |
|        | CTMT              |       |       |           |           | CIRCUMFERENTIAL WELD                     |
|        |                   |       |       |           |           | **UT-41**                                |



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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 3 ALL STATUS COMPONENTS

PAGE: 65

COMPONENT COOLING WATER INSIDE CONTAINMENT

| CORE NUMBER: 120  |  | ASME         | N I O     |            |  |
|---|--|--------------|-----------|------------|--|
|   |  | SEC. XI      | S O N G T |            |  |
| SUMMARY EXAMINATION AREA  |  | CATGY        | EXAM      | T R S E H  |  |
| NUMBER  | IDENTIFICATION                                     | ITEM NO      | METHOD    | PROCEDURE  | A E I O E REMARKS                              |
|   |  |              |           |            | T C G H R **CALIBRATION BLOCK**                |
| <u>SYSTEM NO. 30, 5614-P-536-S SH. 1 OF 4 (REF. DWG. NO. 4-C01)</u> |  |              |           |            |  |
| 293800  | 4-ACH-150<br>PIPE SUPPORT<br>CTMT, 17'0"           | F-B<br>F2.10 | VT-3      | NDE 4.3-47 | C X - - - 4/16/93 - VT COMPLETE<br><br>**N/A** |
| 293850  | 4-ACH-150 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 17'0" | D-A<br>D1.20 | VT-3      | NDE 4.3-48 | C X - - - 4/16/93 - VT COMPLETE<br><br>**N/A** |
| 294000  | 4-120-A1<br>ANCHOR<br>CTMT, 21'0"                  | F-B<br>F2.10 | VT-3      | NDE 4.3-49 | C X - - - 4/16/93 - VT COMPLETE<br><br>**N/A** |
| 050   | 4-120-A1 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 21'0"  | D-A<br>D1.20 | VT-3      | NDE 4.3-50 | C X - - - 4/16/93 - VT COMPLETE<br><br>**N/A** |

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that proper record-keeping is essential for the integrity of the financial system and for ensuring that all parties involved are held accountable for their actions.

2. The second part of the document outlines the specific procedures for recording transactions. It details the steps that must be followed to ensure that all information is captured accurately and that the records are easily accessible and auditable.

3. The third part of the document addresses the challenges associated with maintaining accurate records. It identifies common pitfalls and provides guidance on how to avoid them, such as ensuring that all transactions are recorded in a timely manner and that the records are kept in a secure and protected environment.

4. The fourth part of the document discusses the role of technology in improving record-keeping. It highlights the benefits of using digital systems to store and manage records, such as increased efficiency, reduced risk of loss, and improved accessibility.

5. The fifth part of the document provides a summary of the key points discussed and offers recommendations for further action. It encourages organizations to regularly review their record-keeping practices and to make improvements as needed to ensure that they are meeting the highest standards of accuracy and integrity.

DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 3 ALL STATUS COMPONENTS

PAGE: 66

COMPONENT COOLING WATER INSIDE CONTAINMENT

| COMPONENT NUMBER: 121   |  | ASME         | N I O        |            |  |
|---|--|--------------|--------------|------------|--|
|   |  | SEC. XI      | S O N G T    |            |  |
| SUMMARY   | EXAMINATION AREA                                   | CATGY        | EXAM         | T R S E H  |  |
| NUMBER  | IDENTIFICATION                                     | ITEM NO      | METHOD       | PROCEDURE  | A E I O E                                      |
|   |  |              |              |            | T C G H R                                      |
|   |  |              |              |            | REMARKS  |
|   |  |              |              |            | **CALIBRATION BLOCK**                          |
| <u>SYSTEM NO. 30, 5614-P-535-S SH. 1 OF 3 (REF. DWG. NO. 4-C02)</u> |  |              |              |            |  |
| 294100  | 4-121-A1<br>ANCHOR<br>CTMT, 21'0"                  | F-B<br>F2.10 | VT-3         | NDE 4.3-51 | C X - - - 4/16/93 - VT COMPLETE<br><br>**N/A** |
| 294150  | 4-121-A1 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 21'0"  | D-A<br>D1.20 | VT-3         | NDE 4.3-52 | C X - - - 4/16/93 - VT COMPLETE<br><br>**N/A** |
| 294450  | 4-ACH-124<br>SPRING SUPPORT<br>CTMT, 17'0"         | F-C<br>F3.50 | VT-3<br>VT-4 | NDE 4.3-41 | C X - - - 4/16/93 - VT COMPLETE<br><br>**N/A** |
| 294460  | 4-ACH-124 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 17'0" | D-A<br>D1.40 | VT-3         | NDE 4.3-42 | C X - - - 4/16/93 - VT COMPLETE<br><br>**N/A** |
| 294500  | 4-ACH-125<br>BOX RESTRAINT<br>CTMT, 17'0"          | F-B<br>F2.10 | VT-3         | NDE 4.3-43 | C X - - - 4/16/93 - VT COMPLETE<br><br>**N/A** |
| 294550  | 4-ACH-125 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 17'0" | D-A<br>D1.20 | VT-3         | NDE 4.3-44 | C X - - - 4/16/93 - VT COMPLETE<br><br>**N/A** |

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DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 3 ALL STATUS COMPONENTS

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COMPONENT COOLING WATER SYSTEM TO CCW PUMPS A & B

| SUMMARY EXAMINATION AREA |                | ASME    |        |           | N I O |         |                       |
|--------------------------|----------------|---------|--------|-----------|-------|---------|-----------------------|
| NUMBER                   | IDENTIFICATION | SEC. XI | CATGY  | EXAM      | T     | R S E H | REMARKS               |
|                          |                | ITEM NO | METHOD | PROCEDURE | T     | C G H R | **CALIBRATION BLOCK** |

SYSTEM NO. 30, 5614-P-518-S SH. 8 & 9 OF 10 (REF. DWG. NO. 4-C04)

|        |                           |              |      |           |   |         |                       |
|--------|---------------------------|--------------|------|-----------|---|---------|-----------------------|
| 295900 | SR-686<br>ANCHOR<br>30'2" | F-B<br>F2.10 | VT-3 | NDE 4.3-2 | C | X - - - | 4/14/93 - VT COMPLETE |
|--------|---------------------------|--------------|------|-----------|---|---------|-----------------------|

\*\*N/A\*\*

|        |   |              |      |           |   |         |                       |
|--------|---|--------------|------|-----------|---|---------|-----------------------|
| 295950 | SR-686 IA<br>INTEGRAL ATTACHMENT<br>30'2" | D-B<br>D2.20 | VT-3 | NDE 4.3-3 | C | X - - - | 4/14/93 - VT COMPLETE |
|--------|---|--------------|------|-----------|---|---------|-----------------------|

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DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 3 ALL STATUS COMPONENTS

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COMPONENT COOLING WATER FROM NON-REGENERATIVE HX

| SUMMARY EXAMINATION AREA |  | ASME         |        |            | N I O |         |                                      |
|--------------------------|--|--------------|--------|------------|-------|---------|--------------------------------------|
| NUMBER                   | IDENTIFICATION                               | SEC. XI      | CATGY  | EXAM       | T     | R S E H | REMARKS                              |
|                          |  | ITEM NO      | METHOD | PROCEDURE  | T     | C G M R | **CALIBRATION BLOCK**                |
| 296700                   | 4-ACH-216<br>SLIDING STANCHION<br>19'6"      | F-C<br>F3.10 | VT-3   | NDE 4.3-9  | C     | X - - - | 4/14/93 - VT COMPLETE<br><br>**N/A** |
| 296750                   | 4-ACH-216 IA<br>INTEGRAL ATTACHMENT<br>19'6" | D-A<br>D1.20 | VT-3   | NDE 4.3-10 | C     | X - - - | 4/14/93 - VT COMPLETE<br><br>**N/A** |
| 296800                   | 4-ACH-217<br>SLIDING STANCHION<br>19'6"      | F-C<br>F3.10 | VT-3   | NDE 4.3-11 | C     | X - - - | 4/14/93 - VT COMPLETE<br><br>**N/A** |
| 296850                   | 4-ACH-217 IA<br>INTEGRAL ATTACHMENT<br>19'6" | D-A<br>D1.20 | VT-3   | NDE 4.3-14 | C     | X - - - | 4/14/93 - VT COMPLETE<br><br>**N/A** |



**TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 3 ALL STATUS COMPONENTS**

COMPONENT COOLING WATER FROM RHR HEAT EXCHANGER A

ASME

## SEC. XI

**CATGY**

## EXAM

## PROCEDURE

**N I O**

S O N G T

T R S E H

**A E I O E**

REMARKS

T C G M R

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

SYSTEM NO. 30, 5614-P-518-S SH. 4 OF 10 (REF. DWG. NO. 4-C07)

**F-C**

**F3.10**

**VT-3**

**VT-3****CNR**

CR

**PWO**

**NDE 4.3-19**

**NDE 4.3-93**

**93-4-010**

**93-232**

**93007052**

C - - - X

X - - -

4/14/93 - VT COMPLETE, PAINT ON

SPHERICAL BEARINGS, 5/20/93 - VT

RE-EXAMINATION COMPLETE

**\*\*N/A\*\***

**D-B**

**02.20**

**VT-3****CNR**

CR

**NDE 4.3-20**

**93-4-011**

**93-231**

C - - - X

4/14/93 - VT COMPLETE, WELDS ON  
INTEGRAL ATTACHMENT DIFFERENT FROM  
DRAWING, ACCEPTED AS-IS BY ENGINEERING  
EVALUATION, DRAWING WILL BE UPDATED TO  
SHOW WELD CONFIGURATION

**\*\*N/A\*\***



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 3 ALL STATUS COMPONENTS

PAGE: 70

COMPONENT COOLING WATER SYSTEM OUTSIDE CONTAINMENT

| SUMMARY EXAMINATION AREA |                | ASME    |        |           | N I O     |                       |
|--------------------------|----------------|---------|--------|-----------|-----------|-----------------------|
| NUMBER                   | IDENTIFICATION | SEC. XI | CATGY  | EXAM      | S O N G T |                       |
|                          |                | ITEM NO | METHOD | PROCEDURE | T R S E H | REMARKS               |
|                          |                |         |        |           | A E I O E |                       |
|                          |                |         |        |           | T C G H R | **CALIBRATION BLOCK** |

SYSTEM NO. 30, 5614-P-518-S SH. 6 OF 10 (REF. DWG. NO. 4-C08)

|        |   |              |      |            |           |                                      |
|--------|---|--------------|------|------------|-----------|--------------------------------------|
| 298300 | 4-ACH-64<br>SLIDING STANCHION<br>13'6"      | F-C<br>F3.10 | VT-3 | NDE 4.3-25 | C X - - - | 4/15/93 - VT COMPLETE<br><br>**N/A** |
| 298350 | 4-ACH-64 IA<br>INTEGRAL ATTACHMENT<br>13'6" | D-B<br>D2.20 | VT-3 | NDE 4.3-26 | C X - - - | 4/15/93 - VT COMPLETE<br><br>**N/A** |
| 298400 | 4-ACH-56<br>SLIDING STANCHION<br>13'6"      | F-C<br>F3.10 | VT-3 | NDE 4.3-23 | C X - - - | 4/15/93 - VT COMPLETE<br><br>**N/A** |
| 298450 | 4-ACH-56 IA<br>INTEGRAL ATTACHMENT<br>13'6" | D-B<br>D2.20 | VT-3 | NDE 4.3-24 | C X - - - | 4/15/93 - VT COMPLETE<br><br>**N/A** |
| 298500 | 4-ACH-55<br>SLIDING STANCHION<br>13'6"      | F-C<br>F3.10 | VT-3 | NDE 4.3-21 | C X - - - | 4/15/93 - VT COMPLETE<br><br>**N/A** |
| 298550 | 4-ACH-55 IA<br>INTEGRAL ATTACHMENT<br>13'6" | D-B<br>D2.20 | VT-3 | NDE 4.3-22 | C X - - - | 4/15/93 - VT COMPLETE<br><br>**N/A** |



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 3 ALL STATUS COMPONENTS

PAGE: 71

COMPONENT COOLING WATER SYSTEM OUTSIDE CONTAINMENT

| COMPONENT NUMBER: 129    |                | ASME    |        |           | N I O     |                       |
|--------------------------|----------------|---------|--------|-----------|-----------|-----------------------|
|                          |                | SEC. XI |        |           | S O N G T |                       |
| SUMMARY EXAMINATION AREA |                | CATGY   | EXAM   |           | T R S E H |                       |
| NUMBER                   | IDENTIFICATION | ITEM NO | METHOD | PROCEDURE | A E I O E | REMARKS               |
| -----                    |                | -----   | -----  | -----     | T C G H R | **CALIBRATION BLOCK** |
| -----                    |                | -----   | -----  | -----     | - - - -   | -----                 |

SYSTEM NO. 30, 5614-P-526-S SH. 5 OF 5 (REF. DWG. NO. 4-C10)

|        |                   |       |      |            |           |                       |
|--------|-------------------|-------|------|------------|-----------|-----------------------|
| 299500 | 4-ACH-52          | F-B   | VT-3 | NDE 4.3-28 | C X - - - | 4/15/93 - VT COMPLETE |
|        | SLIDING STANCHION | F2.10 |      |            |           |                       |
|        | 11'2"             |       |      |            |           |                       |

\*\*N/A\*\*

|        |                     |       |      |            |           |                       |
|--------|---------------------|-------|------|------------|-----------|-----------------------|
| 299600 | 4-ACH-52 1A         | D-B   | VT-3 | NDE 4.3-29 | C X - - - | 4/15/93 - VT COMPLETE |
|        | INTEGRAL ATTACHMENT | D2.20 |      |            |           |                       |
|        | 11'2"               |       |      |            |           |                       |

\*\*N/A\*\*

1. The first part of the document is a list of names and addresses of the members of the committee.

2. The second part of the document is a list of the names and addresses of the members of the committee.

3. The third part of the document is a list of the names and addresses of the members of the committee.

4. The fourth part of the document is a list of the names and addresses of the members of the committee.





DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 3 ALL STATUS COMPONENTS

PAGE: 72

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

| COMPONENT NUMBER: 131    |                | ASME    |        |           | N I O     |                       |
|--------------------------|----------------|---------|--------|-----------|-----------|-----------------------|
|                          |                | SEC. XI |        |           | S O N G T |                       |
| SUMMARY EXAMINATION AREA |                | CATGY   | EXAM   |           | T R S E H |                       |
| NUMBER                   | IDENTIFICATION | ITEM NO | METHOD | PROCEDURE | A E I O E | REMARKS               |
|                          |                |         |        |           | T C G H R | **CALIBRATION BLOCK** |

SYSTEM NO. 30, 5614-P-526-S SH. 3 OF 5 (REF. DWG. NO. 4-C13)

|        |                           |              |      |            |           |                                      |
|--------|---------------------------|--------------|------|------------|-----------|--------------------------------------|
| 300200 | SR-702<br>ANCHOR<br>30'3" | F-C<br>F3.10 | VT-3 | NDE 4.3-30 | C X - - - | 4/14/93 - VT COMPLETE<br><br>**N/A** |
|--------|---------------------------|--------------|------|------------|-----------|--------------------------------------|

|        |   |              |      |            |           |                                      |
|--------|---|--------------|------|------------|-----------|--------------------------------------|
| 300250 | SR-702 1A<br>INTEGRAL ATTACHMENT<br>30'3" | D-B<br>D2.20 | VT-3 | NDE 4.3-31 | C X - - - | 4/14/93 - VT COMPLETE<br><br>**N/A** |
|--------|---|--------------|------|------------|-----------|--------------------------------------|

SYSTEM NO. 30, 5614-P-523-S SH. 2 OF 2 (REF. DWG. NO. 4-C13)

|        |   |              |      |            |           |                                      |
|--------|---|--------------|------|------------|-----------|--------------------------------------|
| 300500 | 4-ACH-225<br>SLIDING STANCHION<br>18'9" | F-C<br>F3.10 | VT-3 | NDE 4.3-32 | C X - - - | 4/14/93 - VT COMPLETE<br><br>**N/A** |
|--------|---|--------------|------|------------|-----------|--------------------------------------|

|        |  |              |      |            |           |                                      |
|--------|--|--------------|------|------------|-----------|--------------------------------------|
| 300550 | 4-ACH-225 1A<br>INTEGRAL ATTACHMENT<br>18'9" | D-B<br>D2.20 | VT-3 | NDE 4.3-33 | C X - - - | 4/14/93 - VT COMPLETE<br><br>**N/A** |
|--------|--|--------------|------|------------|-----------|--------------------------------------|

1. The first part of the document is a list of names and addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

2. The second part of the document is a list of names and addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

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5. The fifth part of the document is a list of names and addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

6. The sixth part of the document is a list of names and addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

7. The seventh part of the document is a list of names and addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

8. The eighth part of the document is a list of names and addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

9. The ninth part of the document is a list of names and addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

10. The tenth part of the document is a list of names and addresses. The names are listed in the first column, and the addresses are listed in the second column. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

DATE: 08/11/93  
REVISION: 3

**TURKEY POINT NUCLEAR PLANT UNIT 4**

PAGE: 73

## COMPONENT COOLING WATER SYSTEM OUTSIDE CONTAINMENT

| SUMMARY EXAMINATION AREA |                | ASME    | S O N G T |                       |
|--------------------------|----------------|---------|-----------|-----------------------|
|                          |                | SEC. XI | T R S E H |                       |
| NUMBER                   | IDENTIFICATION | CATGY   | EXAM      | A E I O E             |
|                          |                | ITEM NO | METHOD    | PROCEDURE             |
|                          |                |         |           | T C G M R             |
|                          |                |         |           | REMARKS               |
|                          |                |         |           | **CALIBRATION BLOCK** |

**SYSTEM NO. 30, 5614-P-526-S SH. 3 OF 5 (REF. DWG. NO. 4-C14)**

|        |               |       |        |              |           |  |
|--------|---------------|-------|--------|--------------|-----------|--|
| 300600 | 4-ACH-212     | F-C   | VT-3,4 | NDE 4.3-88   | A - - - X | 5/6/93 - VT COMPLETE, IMPROPER SPRING    |
|        | SPRING HANGER | F3.50 | CNR    | 91-4-011     |           | CAN SETTINGS, RE-EXAMINATION AFTER       |
|        | 32'2"         |       | PWO    | 910207105639 |           | CORRECTION OF DISCREPENCIES NOTED IN CNR |
|        |               |       |        |              |           | 91-4-011                                 |
|        |               |       |        |              |           | **N/A**                                  |



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 3 ALL STATUS COMPONENTS

PAGE: 74

COMPONENT COOLING WATER FROM CCW HEAT EXCHANGERS

| COMPONENT NUMBER: 133    |                | ASME    |        |           | N I O     |                       |
|--------------------------|----------------|---------|--------|-----------|-----------|-----------------------|
|                          |                | SEC. XI |        |           | S O N G T |                       |
| SUMMARY EXAMINATION AREA |                | CATGY   | EXAM   |           | T R S E H |                       |
| NUMBER                   | IDENTIFICATION | ITEM NO | METHOD | PROCEDURE | A E I O E | REMARKS               |
| -----                    |                | -----   | -----  | -----     | T C G H R | **CALIBRATION BLOCK** |

SYSTEM NO. 30, 5614-P-526-S SH. 2 OF 5 (REF. DWG. NO. 4-C15A)

|        |                                  |              |                     |                                  |           |  |
|--------|----------------------------------|--------------|---------------------|----------------------------------|-----------|--|
| 301500 | SR-693<br>SPRING HANGER<br>32"2" | F-C<br>F3.50 | VT-3,4<br>CNR<br>CR | NDE 4.3-12<br>93-4-003<br>93-237 | C - - - X | 4/14/93 - VT COMPLETE, MISSING LOAD<br>PLATE, ACCEPTED AS-IS BY ENGINEERING<br>EVALUATION<br>**N/A** |
|--------|----------------------------------|--------------|---------------------|----------------------------------|-----------|--|

|        |   |              |      |            |           |                                      |
|--------|---|--------------|------|------------|-----------|--------------------------------------|
| 301600 | SR-693 IA<br>INTEGRAL ATTACHMENT<br>32"2" | D-B<br>D2.20 | VT-3 | NDE 4.3-13 | C X - - - | 4/14/93 - VT COMPLETE<br><br>**N/A** |
|--------|---|--------------|------|------------|-----------|--------------------------------------|

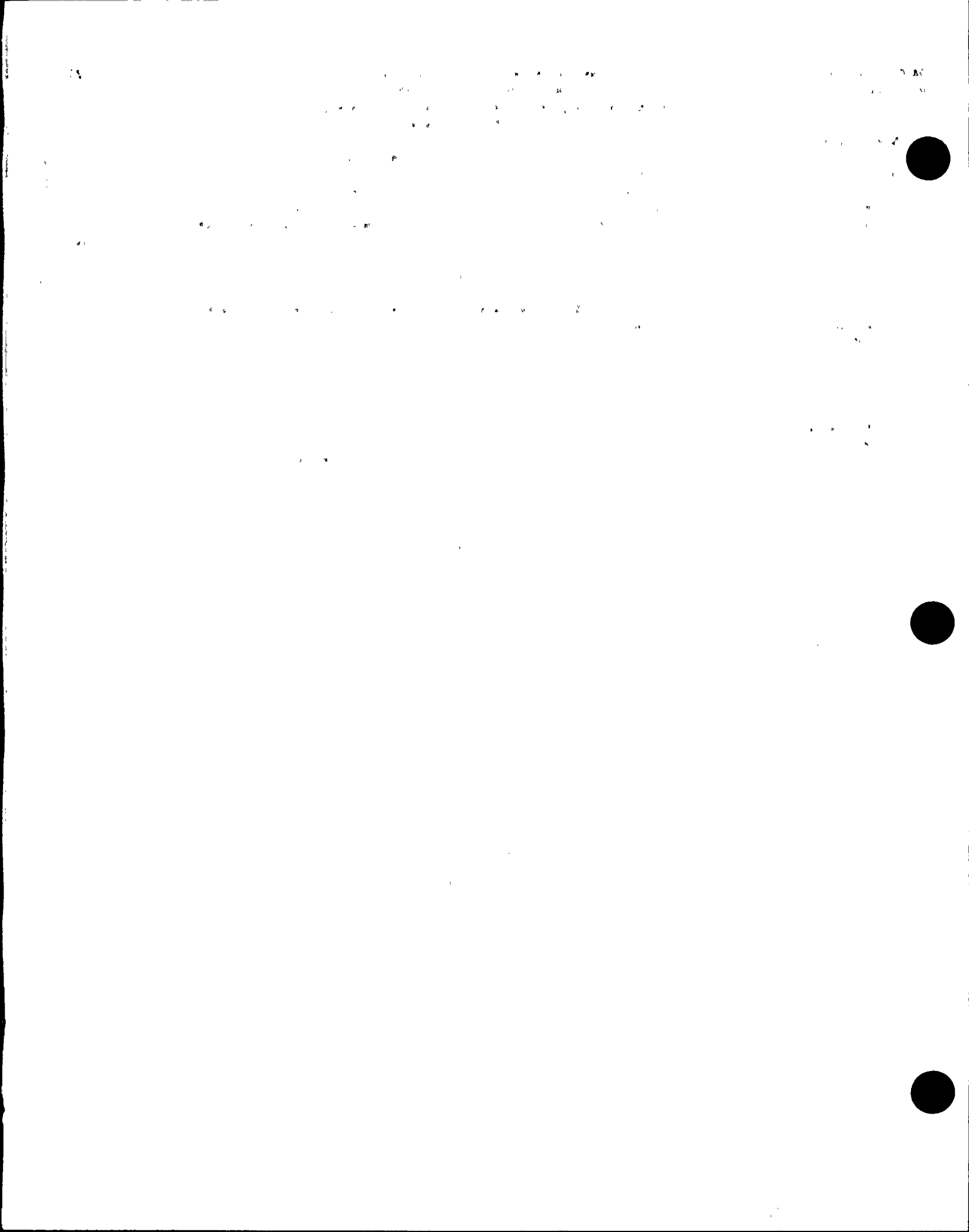
SYSTEM NO. 30, 5614-P-526-S SH. 1 OF 5 (REF. DWG. NO. 4-C15A)

|        |                                      |              |      |            |           |                                      |
|--------|--------------------------------------|--------------|------|------------|-----------|--------------------------------------|
| 302700 | SR-697<br>SLIDING STANCHION<br>11"6" | F-B<br>F2.10 | VT-3 | NDE 4.3-36 | C X - - - | 4/15/93 - VT COMPLETE<br><br>**N/A** |
|--------|--------------------------------------|--------------|------|------------|-----------|--------------------------------------|

|        |   |              |      |            |           |                                      |
|--------|---|--------------|------|------------|-----------|--------------------------------------|
| 302750 | SR-697 IA<br>INTEGRAL ATTACHMENT<br>11"6" | D-B<br>D2.20 | VT-3 | NDE 4.3-37 | C X - - - | 4/15/93 - VT COMPLETE<br><br>**N/A** |
|--------|---|--------------|------|------------|-----------|--------------------------------------|

|        |   |              |      |            |           |                                      |
|--------|---|--------------|------|------------|-----------|--------------------------------------|
| 302800 | 4-ACH-214<br>SLIDING STANCHION<br>11"6" | F-B<br>F2.10 | VT-3 | NDE 4.3-38 | C X - - - | 4/15/93 - VT COMPLETE<br><br>**N/A** |
|--------|---|--------------|------|------------|-----------|--------------------------------------|

|        |  |              |      |            |           |                                      |
|--------|--|--------------|------|------------|-----------|--------------------------------------|
| 302850 | 4-ACH-214 IA<br>INTEGRAL ATTACHMENT<br>11"6" | D-B<br>D2.20 | VT-3 | NDE 4.3-39 | C X - - - | 4/15/93 - VT COMPLETE<br><br>**N/A** |
|--------|--|--------------|------|------------|-----------|--------------------------------------|



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 3 ALL STATUS COMPONENTS

PAGE: 75

COMPONENT COOLING WATER TO RESIDUAL HX A & B

| SUMMARY EXAMINATION AREA |                | ASME    |        |           | N I O     |           |                       |
|--------------------------|----------------|---------|--------|-----------|-----------|-----------|-----------------------|
| NUMBER                   | IDENTIFICATION | SEC. XI | CATGY  | EXAM      | T R S E H | A E I O E | REMARKS               |
|                          |                | ITEM NO | METHOD | PROCEDURE | T C G M R |           | **CALIBRATION BLOCK** |

SYSTEM NO. 30, 5614-P-526-S SH. 4 OF 5 (REF. DWG. NO. 4-C16)

|        |   |              |                                  |  |                      |   |
|--------|---|--------------|----------------------------------|--|----------------------|---|
| 303100 | 4-ACH-13<br>DUAL ROD HANGER<br>15'0"        | F-C<br>F3.10 | VT-3<br>VT-3<br>CNR<br>CR<br>PWO | NDE 4.3-15<br>NDE 4.3-91<br>93-4-006<br>93-234<br>93007050 | C - - - X<br>X - - - | 4/14/93 - VT COMPLETE, PAINT ON<br>SPHERICAL BEARING, PAINT WAS REMOVED;<br>5/20/93 - VT RE-EXAMINATION COMPLETE<br><br>**N/A**         |
| 303150 | 4-ACH-13 1A<br>INTEGRAL ATTACHMENT<br>15'0" | D-B<br>D2.10 | VT-3<br>CNR<br>CR                | NDE 4.3-18<br>93-4-009<br>93-233                           | C - - - X            | 4/14/93 - VT COMPLETE, INTEGRAL<br>ATTACHMENT NOT WELDED AS SHOWN ON<br>DRAWING, ACCEPTED AS-IS BY ENGINEERING<br>EVALUATION<br>**N/A** |

DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 3 ALL STATUS COMPONENTS

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COMPONENT COOLING WATER SYSTEM OUTSIDE CONTAINMENT

| COMPONENT NUMBER: 136    |                | ASME    |        |           | N I O     |                       |
|--------------------------|----------------|---------|--------|-----------|-----------|-----------------------|
|                          |                | SEC. XI |        |           | S O N G T |                       |
| SUMMARY EXAMINATION AREA |                | CATGY   | EXAM   |           | T R S E H |                       |
| NUMBER                   | IDENTIFICATION | ITEM NO | METHOD | PROCEDURE | A E I O E | REMARKS               |
|                          |                |         |        |           | T C G M R | **CALIBRATION BLOCK** |

SYSTEM NO. 30, 5614-P-518-S SH. 5 OF 10 (REF. DWG. NO. 4-C18)

|        |                                |              |      |            |           |                       |
|--------|--------------------------------|--------------|------|------------|-----------|-----------------------|
| 304000 | 4-CCH-2<br>ROD HANGER<br>29'9" | F-C<br>F3.10 | VT-3 | NDE 4.3-64 | C X - - - | 4/20/93 - VT COMPLETE |
|--------|--------------------------------|--------------|------|------------|-----------|-----------------------|

\*\*\*N/A\*\*\*

|        |  |              |      |            |           |                       |
|--------|--|--------------|------|------------|-----------|-----------------------|
| 304050 | 4-CCH-2 1A<br>INTEGRAL ATTACHMENT<br>29'9" | D-B<br>D2.20 | VT-3 | NDE 4.3-64 | C X - - - | 4/20/93 - VT COMPLETE |
|--------|--|--------------|------|------------|-----------|-----------------------|

\*\*\*N/A\*\*\*



1. The first part of the document is a list of names and addresses, which are arranged in a table-like format. The names are listed in the first column, and the addresses are listed in the second column. The names are: John Doe, Jane Smith, and Bob Johnson. The addresses are: 123 Main St, 456 Elm St, and 789 Oak St.

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DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 3 ALL STATUS COMPONENTS

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COMPONENT COOLING WATER SYSTEM OUTSIDE CONTAINMENT

| SUMMARY EXAMINATION AREA |                | ASME    |        |           | N I O |           |                       |
|--------------------------|----------------|---------|--------|-----------|-------|-----------|-----------------------|
| NUMBER                   | IDENTIFICATION | SEC. XI | CATGY  | EXAM      | T     | S O N G T | REMARKS               |
|                          |                | ITEM NO | METHOD | PROCEDURE | T     | A E I O E |                       |
|                          |                |         |        |           |       | C G M R   | **CALIBRATION BLOCK** |

SYSTEM NO. 30, 5614-P-527-S SH. 1 OF 2 (REF. DWG. NO. 4-C19)

|        |                           |              |      |            |   |         |                       |
|--------|---------------------------|--------------|------|------------|---|---------|-----------------------|
| 304100 | SR-710<br>ANCHOR<br>11'6" | F-C<br>F3.10 | VT-3 | NDE 4.3-34 | C | X - - - | 4/15/93 - VT COMPLETE |
|--------|---------------------------|--------------|------|------------|---|---------|-----------------------|

\*\*N/A\*\*

|        |   |              |      |            |   |         |                       |
|--------|---|--------------|------|------------|---|---------|-----------------------|
| 304150 | SR-710 IA<br>INTEGRAL ATTACHMENT<br>11'6" | D-B<br>D2.20 | VT-3 | NDE 4.3-35 | C | X - - - | 4/15/93 - VT COMPLETE |
|--------|---|--------------|------|------------|---|---------|-----------------------|

\*\*N/A\*\*

1. The first of these is the fact that the  
2. second of these is the fact that the  
3. third of these is the fact that the

4. fourth of these is the fact that the  
5. fifth of these is the fact that the

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7. seventh of these is the fact that the

8. eighth of these is the fact that the  
9. ninth of these is the fact that the

10. tenth of these is the fact that the  
11. eleventh of these is the fact that the

12. twelfth of these is the fact that the  
13. thirteenth of these is the fact that the

14. fourteenth of these is the fact that the  
15. fifteenth of these is the fact that the

16. sixteenth of these is the fact that the  
17. seventeenth of these is the fact that the

18. eighteenth of these is the fact that the  
19. nineteenth of these is the fact that the

20. twentieth of these is the fact that the  
21. twenty-first of these is the fact that the

22. twenty-second of these is the fact that the  
23. twenty-third of these is the fact that the

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25. twenty-fifth of these is the fact that the

26. twenty-sixth of these is the fact that the  
27. twenty-seventh of these is the fact that the

28. twenty-eighth of these is the fact that the  
29. twenty-ninth of these is the fact that the  
30. thirtieth of these is the fact that the

DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 3 ALL STATUS COMPONENTS

PAGE: 78

COMPONENT COOLING WATER TO RHR HEAT EXCHANGER A

| SUMMARY EXAMINATION AREA |                | ASME    |        |           | N I O     |                       |
|--------------------------|----------------|---------|--------|-----------|-----------|-----------------------|
| NUMBER                   | IDENTIFICATION | SEC. XI | CATGY  | EXAM      | S O N G T |                       |
|                          |                | ITEM NO | METHOD | PROCEDURE | T R S E H | REMARKS               |
|                          |                |         |        |           | A E I O E |                       |
|                          |                |         |        |           | T C G H R | **CALIBRATION BLOCK** |

SYSTEM NO. 30, 5614-P-526-S SH. 1 OF 5 (REF. DWG. NO. 4-C22)

|        |   |              |                                  |  |                      |  |
|--------|---|--------------|----------------------------------|--|----------------------|--|
| 306600 | 4-ACH-14<br>DUAL ROD HANGER<br>15'0"        | F-C<br>F3.10 | VT-3<br>VT-3<br>CNR<br>CR<br>PWO | NDE 4.3-17<br>NDE 4.3-94<br>93-4-008<br>93-235<br>93007051 | C - - - X<br>X - - - | 4/14/93 - PAINT ON SPHERICAL BEARINGS,<br>PAINT REMOVED, 5/20/93 - VT<br>RE-EXAMINATION COMPLETE<br><br>**H/A**  |
| 306650 | 4-ACH-14 1A<br>INTEGRAL ATTACHMENT<br>15'0" | D-B<br>D2.10 | VT-3<br>CNR<br>CR                | NDE 4.3-16<br>93-4-007<br>93-236                           | C - - - X            | 4/14/93 - VT COMPLETE, DRAWING<br>DISCREPENCY, INTEGRAL ATTACHMENT NOT<br>WELDED AS SHOWN ON DRAWING, ACCEPTED<br>AS-IS BY ENGINEERING EVALUATION<br>**H/A** |



DATE: 08/11/93  
REVISION: 3

TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 3 ALL STATUS COMPONENTS

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COMPONENT COOLING WATER SYSTEM INSIDE CONTAINMENT

| COMPONENT NUMBER: 141   |   | ASME         |        |            | N I O     |                       |  |
|---|---|--------------|--------|------------|-----------|-----------------------|--|
|   |   | SEC. XI      |        |            | S O N G T |                       |  |
| SUMMARY EXAMINATION AREA  |   | CATGY        | EXAM   |            | T R S E H |                       |  |
| NUMBER  | IDENTIFICATION                                    | ITEM NO      | METHOD | PROCEDURE  | A E I O E | REMARKS               |  |
|   |   |              |        |            | T C G M R | **CALIBRATION BLOCK** |  |
| <u>SYSTEM NO. 30, 5614-P-539-S SH. 3 OF 3 (REF. DWG. NO. 4-C23)</u> |   |              |        |            |           |                       |  |
| 306900  | 4-141-A1<br>ANCHOR<br>CTMT, 23'6"                 | F-B<br>F2.10 | VT-3   | NDE 4.3-53 | C X - - - | 4/16/93 - VT COMPLETE |  |
|   |   |              |        |            |           | **N/A**               |  |
| 306950  | 4-141-A1 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 23'6" | D-B<br>B2.20 | VT-3   | NDE 4.3-54 | C X - - - | 4/16/93 - VT COMPLETE |  |
|   |   |              |        |            |           | **N/A**               |  |
| 307000  | 4-CCH-34<br>BOX RESTRAINT<br>CTMT, 34'8"          | F-B<br>F2.10 | VT-3   | NDE 4.3-45 | C X - - - | 4/16/93 - VT COMPLETE |  |
|   |   |              |        |            |           | **N/A**               |  |
| 307040  | 4-CCH-34 IA<br>INTEGRAL ATTACHMENT<br>CTMT, 34'8" | D-B<br>D2.20 | VT-3   | NDE 4.3-46 | C X - - - | 4/16/93 - VT COMPLETE |  |
|   |   |              |        |            |           | **N/A**               |  |

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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 3 ALL STATUS COMPONENTS

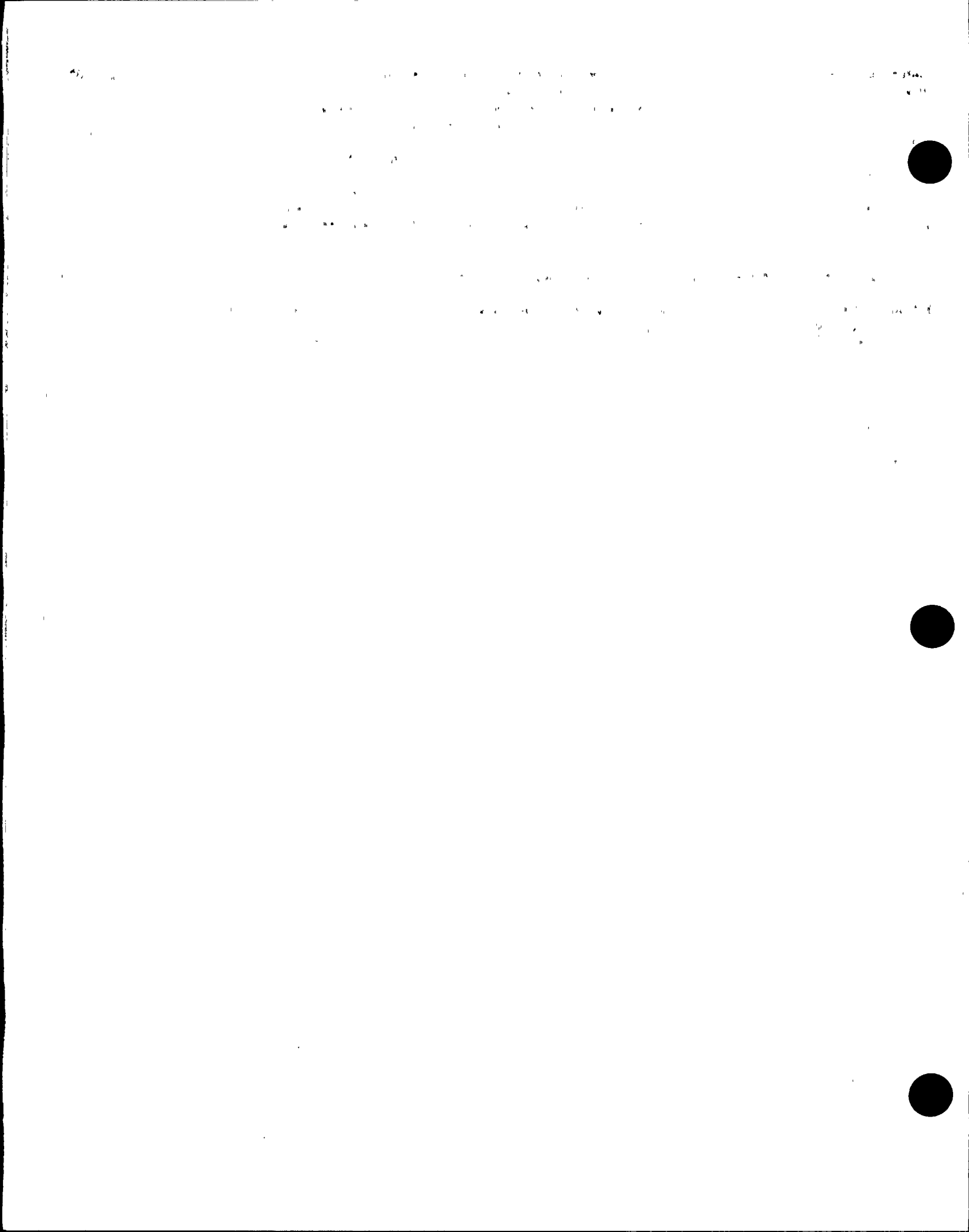
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COMPONENT COOLING WATER SYSTEM FROM CCW PUMP C

| SUMMARY EXAMINATION AREA |                | ASME    |        |           | N I O     |                       |
|--------------------------|----------------|---------|--------|-----------|-----------|-----------------------|
| NUMBER                   | IDENTIFICATION | SEC. XI | CATGY  | EXAM      | S O N G T |                       |
|                          |                | ITEM NO | METHOD | PROCEDURE | T R S E H | REMARKS               |
|                          |                |         |        |           | A E I O E |                       |
|                          |                |         |        |           | T C G M R | **CALIBRATION BLOCK** |

SYSTEM NO. 30, 5614-P-501-S SH. 3 OF 3 (REF. DWG. NO. 4-C33)

|        |                    |       |        |              |           |  |
|--------|--------------------|-------|--------|--------------|-----------|--|
| 314200 | 4-ACH-182          | F-C   | VT-3,4 | NDE 4.3-87   | A - - - X | 5/6/93 - VT COMPLETE, SPRING CAN SCALE |
|        | DUAL SPRING HANGER | F3.50 | CNR    | 91-4-022     |           | ILLEGIBLE, RE-EXAMINATION AFTER        |
|        | 32"2"              |       | PWO    | 910207111504 |           | CORRECTION OF ITEMS FOUND IN CNR       |
|        |                    |       |        |              |           | 91-4-022                               |
|        |                    |       |        |              |           | **N/A**                                |





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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
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CLASS 3 ALL STATUS COMPONENTS

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COMPONENT COOLING WATER SYSTEM OUTSIDE CONTAINMENT

| COMPONENT NUMBER: 154    |                | ASME    |        |           | N I O     |                       |
|--------------------------|----------------|---------|--------|-----------|-----------|-----------------------|
|                          |                | SEC. XI |        |           | S O N G T |                       |
| SUMMARY EXAMINATION AREA |                | CATGY   | EXAM   |           | T R S E H |                       |
| NUMBER                   | IDENTIFICATION | ITEM NO | METHOD | PROCEDURE | A E I O E | REMARKS               |
|                          |                |         |        |           | T C G M R | **CALIBRATION BLOCK** |

SYSTEM NO. 30, 5614-P-518-S SH. 5 OF 10 (REF. DWG. NO. 4-C36)

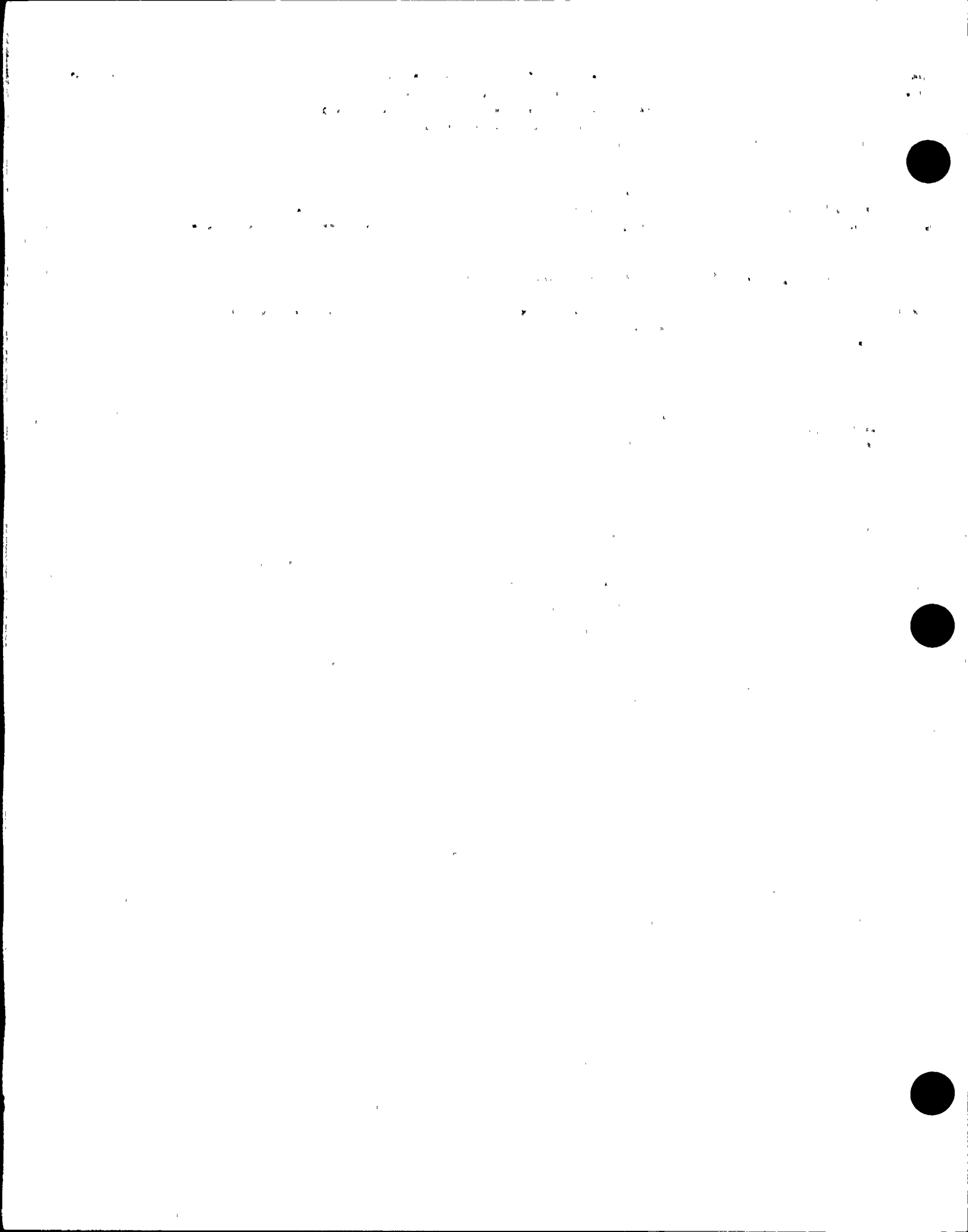
|        |             |       |      |            |           |                                      |
|--------|-------------|-------|------|------------|-----------|--------------------------------------|
| 317300 | 4-CCH-3     | F-C   | VT-3 | NDE 4.3-4  | C - - - X | 4/14/93 - VT COMPLETE, PAINT ON      |
|        | RIGID STRUT | F3.10 | VT-3 | NDE 4.3-92 | X - - -   | SPHERICAL BEARING, PAINT REMOVED,    |
|        | 19'3"       |       | CNR  | 93-4-095   |           | 5/20/93 - VT RE-EXAMINATION COMPLETE |
|        |             |       | CR   | 93-462     |           |                                      |
|        |             |       |      |            |           | **N/A**                              |

|        |                     |       |      |           |           |                       |
|--------|---------------------|-------|------|-----------|-----------|-----------------------|
| 317350 | 4-CCH-3 1A          | D-B   | VT-3 | NDE 4.3-5 | C X - - - | 4/14/93 - VT COMPLETE |
|        | INTEGRAL ATTACHMENT | D2.20 |      |           |           |                       |
|        | 19'3"               |       |      |           |           |                       |
|        |                     |       |      |           |           | **N/A**               |

SYSTEM NO. 30, 5614-P-518-S SH. 10 OF 10 (REF. DWG. NO. 4-C36)

|        |                  |       |      |            |           |  |
|--------|------------------|-------|------|------------|-----------|--|
| 317600 | 4-ACH-43         | F-C   | VT-3 | NDE 4.3-40 | C - - - X | 4/14/93 - VT COMPLETE, PAINTED SPHERICAL |
|        | DUAL RIGID STRUT | F3.10 | VT-3 | NDE 4.3-90 | - - - X   | BEARING, BEARING RACE IS PARTIALLY       |
|        | 13'6"            |       | CNR  | 93-4-012   |           | DISLODGED FROM STRUT, ACCEPTED AS-IS BY  |
|        |                  |       | CR   | 93-229     |           | ENGINEERING EVALUATION, WILL BE          |
|        |                  |       | PWO  | 93007054   |           | CORRECTED AT A FUTURE DATE UNDER A PLANT |
|        |                  |       |      |            |           | WORK ORDER, PAINT WAS REMOVED            |
|        |                  |       |      |            |           | **N/A**                                  |

|        |                      |       |      |           |           |                       |
|--------|----------------------|-------|------|-----------|-----------|-----------------------|
| 317650 | 4-ACH-43 1A          | D-B   | VT-3 | NDE 4.3-7 | C X - - - | 4/14/93 - VT COMPLETE |
|        | INTEGRAL ATTACHMENTS | D2.20 |      |           |           |                       |
|        | 13'6"                |       |      |           |           |                       |
|        |                      |       |      |           |           | **N/A**               |



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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
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CLASS 3 ALL STATUS COMPONENTS

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AUXILIARY FEEDWATER SYSTEM PUMP DISCHARGE

| WELD NUMBER: 160  |  | ASME         | N I O     |            |           |                                      |
|---|--|--------------|-----------|------------|-----------|--------------------------------------|
|   |  | SEC. XI      | S O N G T |            |           |                                      |
|   |  | CATGY        | EXAM      | T R S E H  |           |                                      |
| SUMMARY   | EXAMINATION AREA                                 | ITEM NO      | METHOD    | PROCEDURE  | A E I O E | REMARKS                              |
| NUMBER  | IDENTIFICATION                                   |              |           |            | T C G H R | **CALIBRATION BLOCK**                |
| -----   |  |              |           |            |           |                                      |
| <u>SYSTEM NO. 74, 5614-P-807-S SH. 4 OF 7 (REF. DWG. NO. 4-C42)</u> |  |              |           |            |           |                                      |
| 322600  | 80117-A-324-01<br>ANCHOR<br>36"Ø                 | F-C<br>F3.10 | VT-3      | NDE 4.3-55 | C X - - - | 4/16/93 - VT COMPLETE<br><br>**N/A** |
| 322650  | 80117-A-324-01 IA<br>INTEGRAL ATTACHMENT<br>36"Ø | D-B<br>D2.20 | VT-3      | NDE 4.3-55 | C X - - - | 4/16/93 - VT COMPLETE<br><br>**N/A** |
| 322800  | 80117-H-324-07<br>PIPE SUPPORT<br>36"Ø           | F-C<br>F3.10 | VT-3      | NDE 4.3-56 | C X - - - | 4/16/93 - VT COMPLETE<br><br>**N/A** |
| 322850  | 80117-H-324-07 IA<br>INTEGRAL ATTACHMENT<br>36"Ø | D-B<br>D2.20 | VT-3      | NDE 4.3-56 | C X - - - | 4/16/93 - VT COMPLETE<br><br>**N/A** |



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TURKEY POINT NUCLEAR PLANT UNIT 4  
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CLASS 3 ALL STATUS COMPONENTS

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AUXILIARY FEEDWATER SYSTEM PUMP DISCHARGE

|   |   |              |        |            |                       |                       |
|---|---|--------------|--------|------------|-----------------------|-----------------------|
| WELD NUMBER: 161  |   | ASME         |        |            | N I O                 |                       |
|   |   | SEC. XI      |        |            | S O N G T             |                       |
| SUMMARY EXAMINATION AREA  |   | CATGY        | EXAM   |            | T R S E H             |                       |
| NUMBER  | IDENTIFICATION                                    | ITEM NO      | METHOD | PROCEDURE  | A E I O E             |                       |
|   |   |              |        |            | T C G H R             |                       |
|   |   |              |        |            | REMARKS               |                       |
|   |   |              |        |            | **CALIBRATION BLOCK** |                       |
| -----   |   |              |        |            |                       |                       |
| <u>SYSTEM NO. 74, 5614-P-807-S SH. 4 OF 7 (REF. DWG. NO. 4-C43)</u> |   |              |        |            |                       |                       |
| 323250  | 80117-H-324-11<br>BOX RESTRAINT<br>32'2"          | F-C<br>F3.10 | VT-3   | NDE 4.3-57 | C X - - -             | 4/16/93 - VT COMPLETE |
|   |   |              |        |            |                       | **N/A**               |
| 323275  | 80117-H-324-11 1A<br>INTEGRAL ATTACHMENT<br>32'2" | D-B<br>D2.20 | VT-3   | NDE 4.3-57 | C X - - -             | 4/16/93 - VT COMPLETE |
|   |   |              |        |            |                       | **N/A**               |
| 323450  | 80117-H-324-13<br>BOX RESTRAINT<br>30'3"          | F-C<br>F3.10 | VT-3   | NDE 4.3-58 | C X - - -             | 4/16/93 - VT COMPLETE |
|   |   |              |        |            |                       | **N/A**               |
| 323475  | 80117-H-324-13 1A<br>INTEGRAL ATTACHMENT<br>30'3" | D-B<br>D2.20 | VT-3   | NDE 4.3-58 | C X - - -             | 4/16/93 - VT COMPLETE |
|   |   |              |        |            |                       | **N/A**               |



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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
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AUXILIARY FEEDWATER PUMP SUCTION FROM COND.STG.TK.

| E NUMBER: 163 |                  | ASME    | H I O     |           |                   |                       |
|---------------|------------------|---------|-----------|-----------|-------------------|-----------------------|
|               |                  | SEC. XI | S O N G T |           |                   |                       |
|               |                  | CATGY   | EXAM      | T R S E H |                   |                       |
| SUMMARY       | EXAMINATION AREA | ITEM NO | METHOD    | PROCEDURE | A E I O E REMARKS |                       |
| NUMBER        | IDENTIFICATION   |         |           |           | T C G H R         | **CALIBRATION BLOCK** |

SYSTEM NO. 74, 5610-P-818-S SH. 3 OF 3 (REF. DWG. NO. 4-C45A)

|        |  |              |                          |  |           |  |
|--------|--|--------------|--------------------------|--|-----------|--|
| 325700 | 80117-H-341-23<br>SLIDING STANCHION<br>20'7"       | F-B<br>F2.10 | VT-3                     | NDE 4.3-62                                   | C X - - - | 4/20/93 - VT COMPLETE<br><br>**N/A**   |
| 325750 | 80117-H-341-23 IA<br>INTEGRAL ATTACHMENT<br>20'7"  | D-A<br>D1.20 | VT-3                     | NDE 4.3-62                                   | C X - - - | 4/20/93 - VT COMPLETE<br><br>**N/A**   |
| 326050 | 80117-R-341-03 IA<br>INTEGRAL ATTACHMENT<br>29'10" | D-A<br>D1.20 | VT-3                     | NDE 4.3-63                                   | C X - - - | 4/20/93 - VT COMPLETE<br><br>**N/A**   |
| 326400 | 80117-H-341-18<br>ROD HANGER<br>30'10"             | F-C<br>F3.10 | VT-3<br>CHN<br>CR<br>PWO | NDE 4.3-61<br>93-4-023<br>93-254<br>93012727 | C - - - X | 4/17/93 - VT COMPLETE, SUPPORT HAS<br>DAMAGED INSULATION ON ADJACENT LINE,<br>INSULATION WILL BE MODIFIED TO GIVE<br>PROPER CLEARANCE<br>**N/A** |
| 326450 | 80117-H-341-18 IA<br>INTEGRAL ATTACHMENT<br>30'10" | D-A<br>D1.20 | VT-3                     | NDE 4.3-61                                   | C X - - - | 4/17/93 - VT COMPLETE<br><br>**N/A**   |

SYSTEM NO. 74, 5610-P-818-S SH. 2 OF 3 (REF. DWG. NO. 4-C45B)

|        |  |              |      |            |           |                                      |
|--------|--|--------------|------|------------|-----------|--------------------------------------|
| 328100 | 80117-H-341-02<br>SLIDING STANCHION<br>20'9" | F-B<br>F2.10 | VT-3 | NDE 4.3-60 | C X - - - | 4/16/93 - VT COMPLETE<br><br>**N/A** |
|--------|--|--------------|------|------------|-----------|--------------------------------------|





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TURKEY POINT NUCLEAR PLANT UNIT 4  
INSERVICE INSPECTION SUMMARY  
SECOND INTERVAL, THIRD PERIOD, SECOND OUTAGE (93RF)  
CLASS 3 ALL STATUS COMPONENTS

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AUXILIARY FEEDWATER PUMP SUCTION FROM COND.STG.TK.

| WELD NUMBER: 163  |   | ASME         |        |            | N I O     |                       |  |
|---|---|--------------|--------|------------|-----------|-----------------------|--|
|   |   | SEC. XI      |        |            | S O N G T |                       |  |
| SUMMARY EXAMINATION AREA                                      |   | CATGY        | EXAM   |            | T R S E H |                       |  |
| NUMBER  | IDENTIFICATION                                    | ITEM NO      | METHOD | PROCEDURE  | A E I O E | REMARKS               |  |
|   |   |              |        |            | T C G H R | **CALIBRATION BLOCK** |  |
| -----   |   |              |        |            |           |                       |  |
| SYSTEM NO. 74, 5610-P-818-S SH. 2 OF 3 (REF. DWG. NO. 4-C45B) |   |              |        |            |           |                       |  |
| 328150  | 80117-H-341-02 1A<br>INTEGRAL ATTACHMENT<br>20"9" | D-A<br>D1.20 | VT-3   | NDE 4.3-60 | C X - - - | 4/16/93 - VT COMPLETE |  |
|   |   |              |        |            |           | **N/A**               |  |
| 328200  | 80117-H-341-01<br>SLIDING STANCHION<br>20"9"      | F-B<br>F2.10 | VT-3   | NDE 4.3-59 | C X - - - | 4/16/93 - VT COMPLETE |  |
|   |   |              |        |            |           | **N/A**               |  |
| 328210  | 80117-H-341-01 1A<br>INTEGRAL ATTACHMENT<br>20"9" | D-A<br>D1.20 | VT-3   | NDE 4.3-59 | C X - - - | 4/16/93 - VT COMPLETE |  |
|   |   |              |        |            |           | **N/A**               |  |

TURKEY POINT UNIT 4  
1993 REFUELING OUTAGE

Summary of Visual Examinations and Functional Testing of Snubbers



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### ABSTRACT

Visual examination and functional testing of Mechanical Shock Arrestors were performed on Unit 4 to satisfy the requirements of ASME Section XI, 1980 Edition, Winter 1981 Addenda and Plant Technical Specifications during the 1993 Refueling Outage. Visual Examination and Functional Testing activities were performed by Siemens Nuclear Power Services, Inc. during the period of April 21, 1993 through May 18, 1993.

## PROCEDURES

The following Florida Power & Light procedures were used to implement the Mechanical Shock Arrestor Surveillance Program.

AP 0190.83 Mechanical Shock Arrestor Surveillance Program  
AP 0190.85 Functional Testing of Mechanical Shock Arrestors  
OP 0209.9 Visual Examination of Mechanical Shock Arrestors  
O-CMM-105.1 Removal and Reinstallation of Mechanical Shock Arrestors

The following procedures were utilized by Siemens Nuclear Power Services, Inc. to perform the Visual Examination and Functional Testing.

|                      |                                      |
|----------------------|--------------------------------------|
| SNPS                 | Quality Assurance Manual Rev. 14     |
| SNPS-PP-3319-TPN     | Project Plan                         |
| SNPS-CAL-2.2, Rev. 0 | Daily Verification of Test Equipment |
| SNPS-CAL-1.2, Rev. 1 | Daily Verification of Test Equipment |
| SNPS-EXM-1.1, Rev. 0 | Visual Examination of MSA's          |
| SNPS-TST-1.1, Rev. 0 | Functional Testing of PSA MSA's      |
| SNPS-MNT-3.1, Rev. 0 | Disassembly and Repair of PSA MSA's  |



Examination/Testing

Visual examination (VT-3, VT-4 hand stroke) were performed on a total of ninety one (91) snubbers and functional testing was performed on thirty (30) snubbers.

| TAG#   | SERIAL # | MODEL  | SYSTEM | VT  | FT  | TEST SAMPLE       | CORRECTIVE ACTION                   |
|--------|----------|--------|--------|-----|-----|-------------------|-------------------------------------|
| 4-1000 | 184      | PSA-10 | SIS    | SAT |     |                   | NONE                                |
| 4-1001 | 18010    | PSA-1  | SIS    | SAT |     |                   | NONE                                |
| 4-1002 | 18016    | PSA-1  | SIS    | SAT |     |                   | NONE                                |
| 4-1003 | 18008    | PSA-1  | SIS    | SAT |     |                   | NONE                                |
| 4-1004 | 3168     | PSA-35 | MS     | SAT |     |                   | SEE DEV. SUMMARY<br>2-93-PTN-4-1004 |
| 4-1005 | 1206     | PSA-35 | MS     | SAT |     |                   | SEE DEV. SUMMARY<br>4-93-PTN-4-1005 |
| 4-1006 | 8087     | PSA-35 | MS     | SAT | SAT | EXP. SAMPLE<br>#3 | SEE DEV. SUMMARY<br>3-93-PTN-4-1006 |
| 4-1007 | 11928    | PSA-35 | MS     | SAT |     |                   | SEE DEV. SUMMARY<br>1-93-PTN-4-1007 |
| 4-1008 | 1205     | PSA-35 | MS     | SAT | SAT | EXP. SAMPLE<br>#3 |                                     |
| 4-1009 | 1228     | PSA-35 | MS     | SAT |     |                   | SEE DEV. SUMMARY<br>5-93-PTN-4-1009 |
| 4-1010 | 1204     | PSA-35 | MS     | SAT |     |                   | SEE DEV. SUMMARY<br>7-93-PTN-4-1010 |
| 4-1011 | 1281     | PSA-35 | MS     | SAT | SAT | EXP. SAMPLE<br>#3 | SEE DEV. SUMMARY<br>6-93-PTN-4-1011 |
| 4-1012 | 16154    | PSA-10 | RHR    | SAT |     |                   | NONE                                |
| 4-1013 | 17418    | PSA-3  | RHR    | SAT |     |                   | NONE                                |
| 4-1014 | 17177    | PSA-10 | RHR    | SAT |     |                   | NONE                                |





| TAG#   | SERIAL # | MODEL   | SYSTEM | VT  | FT          | TEST SAMPLE       | CORRECTIVE ACTION                    |
|--------|----------|---------|--------|-----|-------------|-------------------|--------------------------------------|
| 4-1015 | 117      | PSA-10  | RHR    | SAT |             |                   | NONE                                 |
| 4-1016 | 122      | PSA-10  | RHR    | SAT |             |                   | SEE DEV. SUMMARY<br>8-93-PTN-4-1016  |
| 4-1017 | 118      | PSA-10  | RHR    | SAT |             |                   | NONE                                 |
| 4-1018 | 17420    | PSA-3   | RHR    | SAT |             |                   | NONE                                 |
| 4-1019 | 17426    | PSA-3   | RHR    | SAT |             |                   | NONE                                 |
| 4-1020 | 27101    | PSA-3   | FW     | SAT | SAT         | EXP. SAMPLE<br>#1 | NONE                                 |
| 4-1021 | 128      | PSA-3   | FW     | SAT |             |                   | NONE                                 |
| 4-1022 | 21381    | PSA-3   | FW     | SAT | SAT         | EXP. SAMPLE<br>#2 | NONE                                 |
| 4-1032 | 3707     | PSA-35  | FW     | SAT |             |                   | NONE                                 |
| 4-1033 | 7001     | PSA-35  | FW     | SAT |             |                   | NONE                                 |
| 4-1034 | 16243    | PSA-10  | FW     | SAT |             |                   | NONE                                 |
| 4-1035 | 182      | PSA-10  | FW     | SAT | #2<br>UNSAT | YES               | SEE DEV. SUMMARY<br>11-93-PTN-4-1035 |
| 4-1036 | 11461    | PSA-10  | FW     | SAT | SAT         | EXP. SAMPLE<br>#1 | NONE                                 |
| 4-1037 | 11930    | PSA-35  | FW     | SAT | SAT         | YES               | NONE                                 |
| 4-1038 | 29497    | PSA-1/4 | CVCS   | SAT |             |                   | NONE                                 |



| TAG#   | SERIAL # | MODEL  | SYSTEM | VT  | FT          | TEST SAMPLE       | CORRECTIVE ACTION                    |
|--------|----------|--------|--------|-----|-------------|-------------------|--------------------------------------|
| 4-1039 | 4589     | PSA-35 | MS     | SAT | #3<br>UNSAT | YES               | SEE DEV. SUMMARY<br>12-93-PTN-4-1039 |
| 4-1040 | 17419    | PSA-3  | CVCS   | SAT |             |                   | NONE                                 |
| 4-1041 | 19721    | PSA-3  | CVCS   | SAT |             |                   | NONE                                 |
| 4-1042 | 19727    | PSA-3  | CVCS   | SAT |             |                   | NONE                                 |
| 4-1043 | 27099    | PSA-3  | CVCS   | SAT |             |                   | NONE                                 |
| 4-1044 | 3919     | PSA-10 | RCS    | SAT |             |                   | NONE                                 |
| 4-1045 | 3905     | PSA-10 | RCS    | SAT |             |                   | NONE                                 |
| 4-1046 | 187      | PSA-10 | RCS    | SAT |             |                   | NONE                                 |
| 4-1047 | 185      | PSA-10 | RCS    | SAT | SAT         | EXP. SAMPLE<br>#1 | NONE                                 |
| 4-1048 | 4251     | PSA-10 | RCS    | SAT |             |                   | NONE                                 |
| 4-1049 | 10169    | PSA-10 | RCS    | SAT |             |                   | NONE                                 |
| 4-1050 | 12374    | PSA-10 | RCS    | SAT |             |                   | NONE                                 |
| 4-1051 | 11125    | PSA-10 | RCS    | SAT |             |                   | NONE                                 |
| 4-1052 | 16251    | PSA-10 | RCS    | SAT | SAT         | EXP. SAMPLE<br>#1 | NONE                                 |
| 4-1053 | 11446    | PSA-10 | RCS    | SAT |             |                   | NONE                                 |



| TAG#   | SERIAL # | MODEL  | SYSTEM | VT  | FT          | TEST SAMPLE              | CORRECTIVE ACTION                    |
|--------|----------|--------|--------|-----|-------------|--------------------------|--------------------------------------|
| 4-1054 | 16253    | PSA-10 | RCS    | SAT | #1<br>UNSAT | YES                      | SEE DEV. SUMMARY<br>10-93-PTN-4-1054 |
| 4-1055 | 11110    | PSA-10 | RCS    | SAT | SAT         | DEVIATION<br>DISPOSITION | SEE DEV. SUMMARY<br>9-93-PTN-4-1055  |
| 4-1056 | 17841    | PSA-10 | RCS    | SAT | SAT         | INFO<br>TEST             | NONE                                 |
| 4-1057 | 27080    | PSA-3  | RCS    | SAT |             |                          | NONE                                 |
| 4-1058 | 21379    | PSA-3  | RCS    | SAT |             |                          | NONE                                 |
| 4-1059 | 27103    | PSA-3  | RCS    | SAT |             |                          | NONE                                 |
| 4-1061 | 19722    | PSA-3  | RCS    | SAT |             |                          | NONE                                 |
| 4-1062 | 27076    | PSA-3  | RCS    | SAT | SAT         | EXP. SAMPLE<br>#1        | NONE                                 |
| 4-1063 | 27098    | PSA-3  | RCS    | SAT |             |                          | NONE                                 |
| 4-1064 | 27077    | PSA-3  | RCS    | SAT | SAT         | YES                      | NONE                                 |
| 4-1065 | 20873    | PSA-3  | RCS    | SAT |             |                          | NONE                                 |
| 4-1066 | 27094    | PSA-3  | RCS    | SAT |             |                          | NONE                                 |
| 4-1067 | 27097    | PSA-3  | RCS    | SAT | SAT         | YES                      | NONE                                 |
| 4-1068 | 27085    | PSA-3  | RCS    | SAT |             |                          | NONE                                 |
| 4-1069 | 10033    | PSA-35 | FW     | SAT |             |                          | NONE                                 |

| TAG#   | SERIAL # | MODEL  | SYSTEM | VT  | FT  | TEST SAMPLE    | CORRECTIVE ACTION                    |
|--------|----------|--------|--------|-----|-----|----------------|--------------------------------------|
| 4-1070 | 10036    | PSA-35 | FW     | SAT |     |                | NONE                                 |
| 4-1071 | 11315    | PSA-10 | FW     | SAT |     |                | NONE                                 |
| 4-1072 | 16235    | PSA-10 | FW     | SAT | SAT | EXP. SAMPLE #2 | NONE                                 |
| 4-1073 | 3941     | PSA-10 | FW     | SAT | SAT | EXP. SAMPLE #2 | NONE                                 |
| 4-1074 | 19298    | PSA-3  | FW     | SAT |     |                | NONE                                 |
| 4-1075 | 19297    | PSA-3  | FW     | SAT |     |                | NONE                                 |
| 4-1076 | 24414A   | PSA-1  | SG     | SAT | SAT | EXP. SAMPLE #1 | NONE                                 |
| 4-1077 | 18014    | PSA-1  | SG     | SAT | SAT | EXP. SAMPLE #2 | SEE DEV. SUMMARY<br>13-93-PTN-4-1077 |
| 4-1078 | 24430A   | PSA-1  | SG     | SAT |     |                | NONE                                 |
| 4-1079 | 23227    | PSA-1  | SG     | SAT | SAT | EXP. SAMPLE #1 | NONE                                 |
| 4-1080 | 24431    | PSA-1  | SG     | SAT | SAT | YES            | NONE                                 |
| 4-1081 | 19295    | PSA-3  | SG     | SAT |     |                | NONE                                 |
| 4-1082 | 19296    | PSA-3  | SG     | SAT | SAT | EXP. SAMPLE #2 | NONE                                 |
| 4-1083 | 24408A   | PSA-1  | SG     | SAT | SAT | YES            | NONE                                 |
| 4-1084 | 23229    | PSA-1  | SG     | SAT | SAT | EXP. SAMPLE #2 | NONE                                 |

| TAG#   | SERIAL # | MODEL   | SYSTEM | VT  | FT    | TEST SAMPLE              | CORRECTIVE ACTION                    |
|--------|----------|---------|--------|-----|-------|--------------------------|--------------------------------------|
| 4-1085 | 23229    | PSA-1/4 | CVCS   | SAT |       |                          | NONE                                 |
| 4-1086 | 12993    | PSA-35  | MS     | SAT |       |                          | NONE                                 |
| 4-1087 | 12994    | PSA-35  | MS     | SAT |       |                          | NONE                                 |
| 4-1088 | 12995    | PSA-35  | MS     | SAT |       |                          | NONE                                 |
| 4-1089 | 12996    | PSA-35  | MS     | SAT |       |                          | NONE                                 |
| 4-1090 | 12997    | PSA-35  | MS     | SAT |       |                          | NONE                                 |
| 4-1091 | 12998    | PSA-35  | MS     | SAT |       |                          | SEE DEV. SUMMARY<br>15-93-PTN-4-1091 |
| 4-1092 | 12999    | PSA-35  | MS     | SAT |       |                          | NONE                                 |
| 4-1093 | 17868    | PSA-10  | MS     | SAT |       |                          | NONE                                 |
| 4-1094 | 17869    | PSA-10  | MS     | SAT |       |                          | NONE                                 |
| 4-1095 | 17870    | PSA-10  | MS     | SAT | SAT   | DEVIATION<br>DISPOSITION | SEE DEV. SUMMARY<br>19-93-PTN-4-1095 |
| 4-1096 | 17871    | PSA-10  | MS     | SAT |       |                          | NONE                                 |
| 4-1097 | 17872    | PSA-10  | MS     | SAT | UNSAT | EXP. SAMPLE<br>#2        | SEE DEV. SUMMARY<br>14-93-PTN-4-1097 |
| 4-1098 | 17873    | PSA-10  | MS     | SAT |       |                          | NONE                                 |
| 4-1099 | 17423    | PSA-3   | MS     | SAT | SAT   | YES                      | NONE                                 |





| TAG#   | SERIAL # | MODEL   | SYSTEM | VT  | FT  | TEST SAMPLE | CORRECTIVE ACTION |
|--------|----------|---------|--------|-----|-----|-------------|-------------------|
| 4-1100 | 29498    | PSA-1/4 | WDS    | SAT | SAT | YES         | NONE              |

### DEVIATION REPORT SUMMARY

Tag #: 4-1004 DEVIATION #: 2-93-PTN-4-1004 Int.: 04/22/93

Closed: 04/27/93

CONDITION: 1) Spherical bearing partially dislodged.

2) Load pin holes in rear bracket and pipe attachment are elongated.

DISPOSITION: Condition Report generated CR NO. 93-320. Bearing restaked and brackets replaced.

Tag #: 4-1005 DEVIATION #: 4-93-PTN-4-1005 Int.: 04/22/93

Closed: 04/26/93

CONDITION: 1) Load pin deformed.

2) Load pin holes in rear bracket and pipe attachment are elongated.

DISPOSITION: Condition Report generated CR NO. 93-320. Load pin replaced and brackets replaced.

Tag #: 4-1006 DEVIATION #: 3-93-PTN-4-1006 Int.: 04/22/93

Closed: 04/26/93

CONDITION: Spherical bearing dislodged on snubber end.

DISPOSITION: Bearing restaked and verified freedom of movement IAW SNPS-MNT-3.1.

Tag #: 4-1007 DEVIATION #: 1-93-PTN-4-1007 Int.: 04/22/93

Closed: 04/26/93

CONDITION: Load pin deformed.

DISPOSITION: Replaced load pin IAW SNPS-MNT-3.1.



Tag #: 4-1009 DEVIATION #: 5-93-PTN-4-1009 Int.: 04/22/93

Closed: 04/26/93

CONDITION: Load pin hole on rear bracket is elongated.

DISPOSITION: Condition Report generated CR NO. 93-320. Rear bracket replaced.

Tag #: 4-1010 DEVIATION #: 7-93-PTN-4-1010 Int.: 04/22/93

Closed: 04/26/93

CONDITION: 1) Spherical bearing dislodged on snubber end.

2) Load pin hole in rear bracket is elongated.

3) Rear bracket load pin is deformed.

DISPOSITION: Condition Report generated CR NO. 93-320. Bearing restaked and rear bracket and pin replaced.

Tag #: 4-1011 DEVIATION #: 6-93-PTN-4-1011 Int.: 04/22/93

Closed: 04/26/93

CONDITION: Load pin holes in the rear bracket and pipe attachment are elongated.

DISPOSITION: Condition Report generated CR NO. 93-320. Brackets replaced.

Tag #: 4-1016 DEVIATION #: 8-93-PTN-4-1016 Int.: 04/26/93

Closed: 04/26/93

CONDITION: Lack of thread engagement between snubber and transition tube assembly.

DISPOSITION: Condition Report generated CR NO. 93-341. Bolts replaced providing adequate thread engagement.

Tag #: 4-1035 DEVIATION #: 11-93-PTN-4-1035 Int.: 05/01/93

Closed: 05/10/93

CONDITION: MSA exceeded the 0.02G specified criteria for acceleration.

DISPOSITION: Replaced MSA with tested spare S/N 11439.

Tag #: 4-1039 DEVIATION #: 12-93-PTN-4-1039 Int.: 05/02/93

Closed: 05/07/93

CONDITION: 1) MSA has damaged spherical bearing.

2) MSA exceeded the 0.02G specified criteria for acceleration

DISPOSITION: Replaced MSA with tested spare S/N 6998.

Tag #: 4-1054 DEVIATION #: 10-93-PTN-4-1054 Int.: 05/01/93

Closed: 05/07/93

CONDITION: MSA exceeded the specified 0.02G acceleration criteria.

DISPOSITION: Replaced MSA with tested spare S/N 15718.

Tag #: 4-1055 DEVIATION #: 9-93-PTN-4-1055 Int.: 04/27/93

Closed: 05/07/93

CONDITION: Snubber could not be hand stroked through it's full range.

DISPOSITION: Replaced MSA with tested spare S/N 7782. Functional tested removed MSA, test sat.

Tag #: 4-1077 DEVIATION #: 13-93-PTN-4-1077 Int.: 05/03/93

Closed: 10/7/92

CONDITION: "L" dimension is less than the specified minimum.

DISPOSITION: Condition Report generated CR NO. 93-385. Attachment moved to reestablish proper "L" dimension.

Tag #: 4-1091 DEVIATION #: 15-93-PTN-4-1091 Int.: 05/04/93

Closed: 05/07/93

CONDITION: Load pin hole on pipe attachment is elongated.

DISPOSITION: Condition Report generated CR NO. 93-320. Bracket replaced.

Tag #: 4-1095 DEVIATION #: 19-93-PTN-4-1095 Int.: 05/04/93

Closed: 05/10/93

CONDITION: Inspector unable to hand stroke this MSA.

DISPOSITION: MSA was functional tested sat.

Tag #: 4-1097 DEVIATION #: 14-93-PTN-4-1097 Int.: 05/03/93

Closed: 05/07/93

CONDITION: MSA exceeded the 750 # Final Drag criteria.

DISPOSITION: Replaced MSA with tested spare S/N 17852.

#### CONCLUSION

During the 1993 Refueling Outage, snubber surveillances were performed on the snubber population of Turkey Point Unit 4 in accordance with AP 0190.83 (Mechanical Shock Arrestor Surveillance Program). These surveillances included visual examinations and hand stroking of all Unit 4 snubbers in accordance with OP 0209.9 (Visual Examination of Mechanical Shock Arrestors). The functional test representative sample, and additional selections were tested and selected in accordance with AP 0190.85 (Functional Testing of Mechanical Shock Arrestors).

All functional tests and visual examinations were performed in compliance with ASME Section XI and the surveillance requirements of Plant Technical Specifications (3/4.7.6). Visual examinations did



not reveal any items that would render the snubbers non-functional, therefore there were no failures. Of the snubbers that were functional tested, there were three (3) failures of the test sample. Sample expansion of 10% of that type snubber was performed resulting in seventeen (17) additional snubbers being tested. One functional test failure did occur on a snubber tested during the sample expansion. However the failure occurred during a non-Tech. Spec. test in which the final drag is measured. Since final drag is not required by Tech. Spec. 4.7.6.e an expanded sample in accordance with Tech. Spec. 4.7.6.d.1 was not performed.

Therefore, FPL has met all ASME Section XI and Plant Technical Specification requirements for visual examination and functional testing of snubbers at Turkey Point Unit 4.





## ACRONYM LIST

The following is a list of all acronyms used in this Snubber Summary:

|      |  |
|------|--|
| ASME | American Society of Mechanical Engineers |
| AP   | Administrative Procedure                 |
| OP   | Operating Procedure                      |
| CMM  | Corrective Maintenance Mechanical        |
| SNPS | Siemens Nuclear Power Services           |
| PP   | Project Plan                             |
| CAL  | Calibration                              |
| EXM  | Examination                              |
| TST  | Testing                                  |
| MNT  | Maintenance                              |
| Rev. | Revision                                 |
| Inc. | Incorporated                             |
| PSA  | Pacific Scientific Arrestors             |
| MSA  | Mechanical Shock Arrestor's              |
| AFW  | Auxiliary Feedwater                      |
| FW   | Feedwater                                |
| MS   | Main Steam                               |
| CCW  | Component Cooling Water                  |
| VT   | Visual Test                              |
| FT   | Functional Test                          |
| SAT  | Satisfactory                             |
| DEV  | Deviation                                |
| PTN  | Turkey Point Nuclear                     |
| RHR  | Residual Heat Removal                    |
| SIS  | Safety Injection System                  |
| SG   | Steam Generator                          |
| RCS  | Reactor Coolant System                   |
| INFO | Information                              |
| CVCS | Chemical and Volume Control System       |
| WD   | Waste Disposal                           |
| Int. | Initiated                                |
| TTA  | Transition Tube Assembly                 |
| CR   | Condition Report                         |
| PWO  | Plant Work Order                         |
| S/N  | Serial Number                            |
| "L"  | Length                                   |
| PCM  | Plant Change Modification                |
| FPL  | Florida Power & Light                    |
| IAW  | In Accordance With                       |



TURKEY POINT UNIT 4  
1993 REFUELING OUTAGE

Final Report of Hydrostatic Testing Program



## Abstract

This report details the hydrostatic testing of selected class 2, and 3 piping and components of the Florida Power and Light Company Turkey Point Unit 4 which were performed during and subsequent to the 1993 refueling outage, between the dates of April 13, 1993 and June 18, 1993.

Piping and components were selected and tested in accordance with Section XI of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code " Rules for Inservice Inspection of Nuclear Power Plant Components", 1980 Edition with addenda through Winter 1981, and ASME Code Case N-498, "Alternative Rules for 10 Year Hydrostatic Pressure Testing for Class 1 and 2 Systems" Section XI, Division 1 (Approval date May 13, 1991).

## Procedures

The following FPL procedures and documents have been implemented to provide instructional guidance for the performance of the required ASME XI hydrostatic testing, and subsequent inspections.

- AP 0190.90- ASME Section XI pressure tests for quality groups A, B, and C Systems/Components.
- OP 1506.7 - Steam Generator Hydrostatic Pressure Test.
- NDE 4.2 - Visual Examination VT-2 Conducted During System Pressure Tests.
- O-ADM-217 - Conduct of Infrequently Performed Tests or Evolutions.
- WCAP-13155 - Technical Basis for Determination of Secondary Side Pressure Test Temperatures, Turkey Point Units 3 and 4 Steam Generators.

System Summary: Unit 4

The following safety related systems, or sections thereof were hydrostatically tested in accordance with ASME Section XI.

| Name of system           | System number |
|--------------------------|---------------|
| Steam Generators         | 71            |
| Steam Generator Blowdown | 71            |
| Main Steam               | 72            |
| Feedwater                | 74            |
| Intake Cooling Water     | 19            |
| Spent Fuel Pool Cooling  | 33            |





## Acronyms

|       |  |
|-------|--|
| AP :  | Administrative Procedure                 |
| ADM : | Administrative                           |
| ASME: | American Society of Mechanical Engineers |
| CCW : | Component Cooling Water                  |
| HX :  | Heat Exchanger                           |
| ICW : | Intake Cooling Water                     |
| NDE : | Non Destructive Examination              |
| SFPC: | Spent Fuel Pool Cooling                  |
| TPCW: | Turbine Plant Cooling Water              |
| OP :  | Operating Procedure                      |
| WCAP: | Westinghouse Commercial Atomic Power     |



### Test Package Development

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

The pressure test package numbers contain six segments of information.

Sample: 03-CCW-30110-H-01

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| ↑ | ↑ | ↑ | ↑ | ↑ | ↑ |
| 1 | 2 | 3 | 4 | 5 | 6 |

1. Unit number (00) common to units 3 and 4. (03) unit 3 specific (04) unit 4 specific
2. System abbreviation
3. System number [First (2) digits]
4. Sub-system number - [(2) or (3) digits]
5. Type of test (H) hydrostatic (F) system functional (I) system inservice
6. Number of tests performed within the specific sub system.



Intake Cooling Water System 19

04-ICW-1992-H-01 - Test date 4/13/93 - This test involved the ICW piping associated with "A" ICW header, "A" ICW pump, "A" CCW HX, and "A" TPCW HX. All leakage noted during this test was found at mechanical joints (i.e., packing, seals, bolted connections etc.) which does not require retesting per ASME Section XI. All leakage was addressed by the following plant work requests:

93006466 93006467 93006468 93006469 93006471 93006480  
93006481

04-ICW-1993-H-01 - Test date 4/13/93 - This test involved the ICW piping associated with "B" ICW header, "B" and "C" ICW pumps, "B" and "C" CCW HX, and "B" TPCW HX. All leakage noted during this test was found at mechanical joints (i.e., packing, seals, bolted connections etc.) which does not require retesting per ASME Section XI and was addressed by the following plant work requests:

93006472 93006474 93006479 93006476 93006480



Spent Fuel Pool Cooling System 33

04-SFPC-3326-H-02 - Test date 6/18/93 - This test involved the SFPC piping associated with the refueling water purification pump, the spent fuel pool demineralizer, and the spent fuel pool filters. No leakage was noted during this test.





OP 1506.7 Steam Generator Hydrostatic Pressure Test  
(Includes Systems 71, 72, and 74)

OP 1506.7 - Test date 4/17/93 - This test was performed in order to satisfy all repair/replacement hydrostatic testing requirements which had been deferred in accordance with ASME Code Case N-416 "Alternative Rules for Hydrostatic Testing of Repair or Replacement of Class 2 Piping" Section XI Division 1 (approval date 12/05/84). This test included steam generators "A", "B", "C", and associated main steam, feedwater, and blowdown piping extending to the "B" to "D", or the "B" to "SR" class breaks outside containment. All leakage noted during this test was found at mechanical joints (i.e., packing, seals, bolted connections, etc.) which does not require retesting per ASME Section XI. All leakage was addressed by the following plant work requests:

|          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|
| 93006736 | 93006740 | 93006741 | 93006742 | 93006743 | 93006745 |
| 93006751 | 93006753 | 93006754 | 93006755 | 93006756 | 93006757 |
| 93006758 | 93006760 | 93006761 | 93006765 | 93006766 | 93006767 |
| 93006771 | 93006768 | 93006772 | 93006808 | 93006809 | 93006810 |
| 93006811 | 93006814 | 93006816 | 93006817 | 93006995 | 93006996 |
| 93006999 | 93007000 | 93007001 | 93007002 | 93006824 | 93007003 |
| 92056277 | 93007004 | 93007005 | 93007006 | 93006837 | 93006838 |
| 93007007 | 93006839 | 93006904 | 93006884 | 93006885 | 93006886 |
| 93006887 | 93006888 | 93007008 | 93012092 | 93012090 | 93007009 |
| 93006905 | 93006907 | 93008534 | 91058708 | 93006903 | 93006910 |
| 93006911 |          |          |          |          |          |

