

TURKEY POINT PLANT
UNIT 3

1997 REFUELING OUTAGE INSERVICE INSPECTION REPORT

Executive Summary

The required examinations scheduled during the Turkey Point Unit 3 refueling outage were completed. This completes the ISI requirements for the first refueling outage of the second period of the third inspection interval.

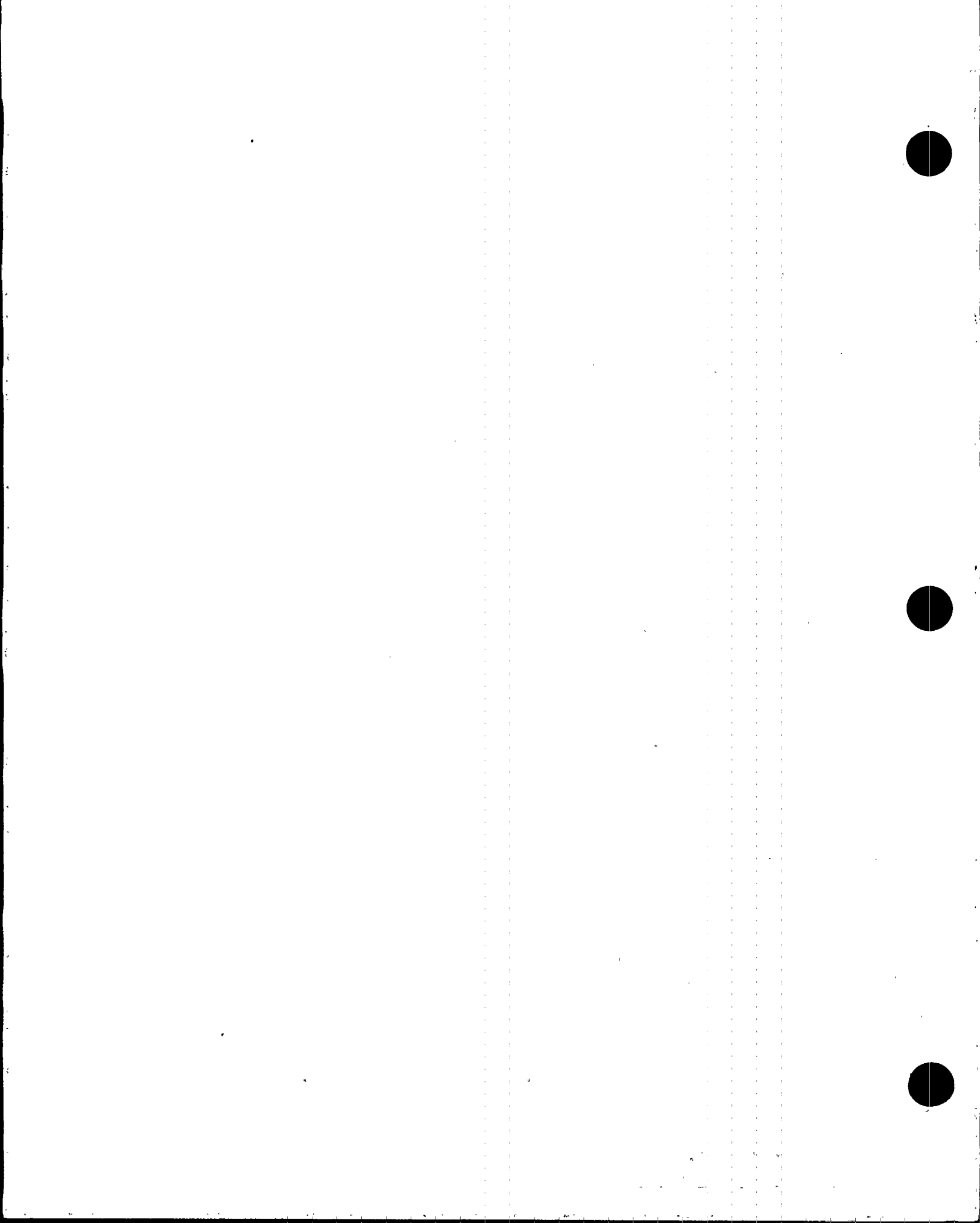
100% of the A, B, and C steam generator tubes were eddy current tested. 14 tubes were plugged during this outage.

The NIS-2 forms discuss the repairs and replacements which took place since the previous Unit 3 submittal and during the 1997 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 no snubber failures in the safety related functional test sample.

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

Selected Class 1 and 2 piping and supports were examined with surface, volumetric, and visual examination techniques in accordance with Section XI of the ASME Boiler and Pressure Vessel Code and the Turkey Point Units 3 and 4 ISI Program.



TURKEY POINT UNIT 3
1997 REFUELING OUTAGE

Form NIS-1 Owners' Data Report for Inservice Inspections

FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

Page 1 of 6

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

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	Nat'l Board No.
Reactor Pressure Vessel	Babcock and Wilcox	3PSRV1	N/A	N-160
Reactor Coolant Pump B	Westinghouse	3P200B	N/A	N/A
Regenerative Heat Exchanger	Westinghouse	3E200	N/A	N/A
RHR Heat Exchanger A	Atlas	3E206A	N/A	N/A
Safety Injection System	Bechtel	N/A	N/A	N/A
Residual Heat Removal	Bechtel	N/A	N/A	N/A
Main Feedwater System	Bechtel	N/A	N/A	N/A
Main Steam System	Bechtel	N/A	N/A	N/A

8. Examination Dates : From 3/3/97 to 4/16/97
9. Inspection Period Identification : Second Period - 2/22/97 to 2/21/01
10. Inspection Interval Identification: Third Interval, from 2/22/94 to 2/21/04
11. Applicable Edition of Section XI 1989 Addenda none
12. Date/Revision of Inspection Plan: 7/31/96 Rev. 0

1. Owner: Florida Power & Light Company, 700 Universe Blvd. Juno Beach, Florida 33408
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5. Commercial Service Date : December 14, 1972
6. National Board Number for Unit: N/A

13. Abstract of examinations and test. Include a list of examinations and tests and a statement concerning status of work required for the inspection plan.

An Inservice Examination of selected Class 1 and 2 components and piping systems of Florida Power and Light's Turkey Point Unit 3 was performed during the 1997 Refueling Outage. This outage began on March 3, 1997 and ended on April 16, 1997. This was the first outage of the second period of the third ten year interval.

The components and piping systems examined were selected in accordance with the Third Ten Year Inservice Inspection Program, which was prepared in accordance with the requirements of the ASME Section XI, 1989 Edition.

Manual ultrasonic, visual, magnetic particle, and liquid penetrant non-destructive techniques were used to examine components, piping, and their supports. The examinations were performed by FPL personnel, supported by examiners supplied by Raytheon Engineers & Constructors.

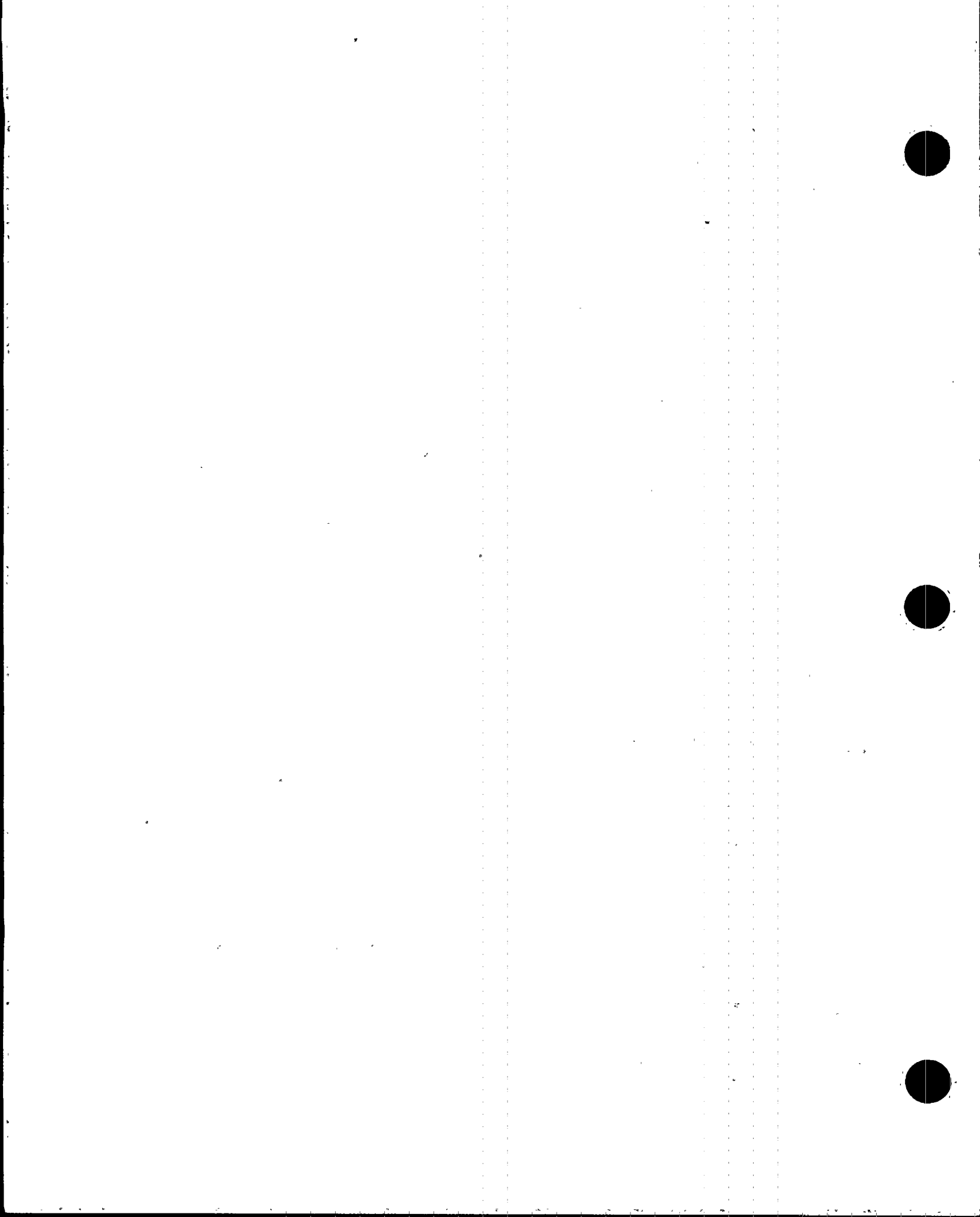
Eddy Current testing was conducted on the three Steam Generators. A total of 9574 tubes were examined. Fourteen tubes required plugging. See the NIS-BB for details of the examinations.

Several Class 1, 2, 3, MC, and CC areas were replaced or repaired since the last Summary Report was submitted. See the attached NIS-2 reports for a summary.

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

Snubber functional testing and visual examinations were conducted in accordance with ASME Section XI and Turkey Point Technical Specifications as allowed under Relief Request number 4. Examinations were performed by Raytheon, Inc. and testing services were supplied by Basic-PSA, Inc.

System Pressure testing was conducted by the plant to ASME Section XI and applicable Plant Procedures. One thimble tube was found to have a through wall leak. It was replaced and retested. Several mechanical connections were found to have leaks. These were all corrected. Leakage was detected at 2 RHR valve bonnets.



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6. National Board Number for Unit: N/A

The bolt nearest the source of leakage was VT-1 examined and found to be acceptable. During the outage, the bolting on the two valves was removed and examined. No other leakage was reported.

All Quality Group A, B, and C pressure tests required for the first period of the third inservice inspection interval were completed.

A listing of examinations performed is attached to this summary.

The examinations performed during the outage meet the requirements of the Inspection Plan.

14. Abstract of Results of Examinations and Tests.

Class 1

Reactor Pressure Vessel

The seal surface on the Reactor Pressure Vessel head was examined using remote Visual techniques. No reportable indications were noted.

Steam Generators

Eddy Current testing was conducted on all three Steam Generators. See the NIS-BB for details.

Regenerative Heat Exchanger

A VT-3 examination was performed near the beginning of the outage to look for accumulated boron crystals and evidence of leakage. A VT-2 examination was performed during the system pressure test at plant startup. These examinations were performed to meet the approved alternative requirements in Relief Request No. 3. No reportable indications were detected.

Other Examinations

The "B" Reactor Coolant Pump Flywheel was examined in accordance with Technical Specifications. No reportable indications were



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

noted.

Class 2

RHR Heat Exchanger

Residual Heat Exchanger A was examined using surface and volumetric techniques. A round indication was found on the end of one of the integral attachments with Liquid Penetrant. An engineering evaluation determined the indication to be a manufacturing process deficiency. The attachment has a partial penetration weld on the front side, and a cover weld on the back side. The indication was a result of the two welds not being joined at the end of the attachment, and was an acceptable condition. It was not a material or welding flaw, and is outside the scope of Section XI. No other indications were noted.

RHR Pump

The support on RHR Pump 3P210A was examined with visual techniques. A bent bolt was found and accepted as-is by engineering evaluation. An engineering evaluation determined the support was outside the scope of Section XI. It is part of the building structure, with the pump body allowed to slide on top of an embedded plate. Both RHR pump supports have been removed from the ISI Program.

Residual Heat Removal Piping

Residual Heat Removal piping welds and supports were examined using visual, surface and volumetric techniques. Acceptable round and geometric indications were noted. No reportable indications were noted.

Safety Injection Piping

Safety Injection piping and supports were examined using visual, surface and volumetric techniques. No reportable indications were noted.

During the outage, the Boron Injection Tank was bypassed and abandoned in place. The piping welds to the tank were removed

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3. Plant Unit: 3
4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date : December 14, 1972
6. National Board Number for Unit: N/A

from service and several new welds were added to bypass the tank. See the examination tables for information on which welds and components were affected.

Main Steam Piping

Main Steam piping was examined using surface and volumetric techniques. Acceptable geometric indications were noted. No reportable indications were noted.

Main Feedwater Piping

Augmented volumetric examinations were performed on the feedwater piping out from the Steam Generator nozzle. Acceptable geometric and slag indications were found. No reportable indications were noted.

15. Abstract of Corrective Measures

There were no corrective actions required as a result of ISI examinations. Several acceptable rounded indications were removed for maintenance reasons as part of additional surface preparation.

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3. Plant Unit: 3
4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date : December 14, 1972
6. National Board Number for Unit: N/A

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

Certificate of Authorization No. N/A

Expiration Date N/A

Date: 6/13/97 Signed: Florida Power & Light

By: James W. L.

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, Massachusetts, have inspected the components described in this Owner's Report during the period 3/3/97 to 4/16/97, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in the Owner's Data Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

James W. L.
Inspector's Signature

NB 8230
National Board, State,
Province, and Endorsements

Date: June 16, 1997



TURKEY POINT UNIT 3
1997 REFUELING OUTAGE

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

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

1. Owner Florida Power & Light
Name

Date 12/06/95

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3
PWO #:4229/63 WO #: 95032858

9700 SW 344 Street, Florida City, Fl. 33034
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

Expiration Date N/A

4. Identification of System: INTAKE COOLING WATER System #: 19 Quality Group: C

5. (a) Applicable Construction Code 831.1 1955 Edition, NA Addenda, N/A Code Case

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
INTAKE COOLING WATER PUMP	JOHNSTON PUMP	N/A	N/A	MODEL 33 CMC IST-5 3P9A	UNK.	Replaced	No
INTAKE COOLING WATER PUMP	JOHNSTON PUMP	N/A	N/A	MODEL 33 CMC IST-2 3P9A	UNK.	Replacement	No
BOLTS (40) 1-1/4"-7-UN-2A	N/A	N/A	N/A	R90-0831 ASME SA-307 GR B 3P9A	UNK.	Replacement	No

7. Description of Work: 3A INTAKE COOLING WATER PUMP IST-5 REPLACED WITH SPARE IST-2.

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

Other VT 1/2 Pressure 15 psig Test Temperature 76 °F

FORM HIS-2 (Back)

9. Remarks: MECHANICAL CONNECTION NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ N/A

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

Signed Paul B. Bernal TECH DEPT MANAGER Date 1/19 19 96
 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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 11/21/95 to 12/06/95 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

James B. Bernal
 Inspectors Signature

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

Date 2/5 19 96

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

1. Owner Florida Power & Light
Name

Date 12/05/95

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3
PWO #:63/4109 WO #: 95032545

9700 SW 344 Street, Florida City, Fl. 33034
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

Expiration Date N/A

4. Identification of System: COMPONENT COOLING WATER System #: 30 Quality Group: C

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
BOLTS (4)	N/A	N/A	N/A	UTC349851 R94-4185 3E207C HX SA-193 GR B7	UNK.	Replacement	No

7. Description of Work: FOUR (4) HX MANWAY BOLTS REPLACED ON UNIT-3 COMPONENT COOLING WATER HX 3C

(3E207C).

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

Other _____ Pressure _____ psig Test Temperature _____ °F

FORM NIS-2 (Back)

9. Remarks: MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned Paul Bernatchi TECH DEPT MANAGER Date 1/19/96 1996
Owner or Owner's Designee, Title

JDB

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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 12/05/95 to 12/05/95 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

James K. Glen
Inspector's Signature

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

Date January 24 19 96

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

1. Owner Florida Power & Light
Name

Date 03/04/96

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

PWO #:2579/63 WO #: 95024075

9700 SW 344 Street, Florida City, Fl. 33034
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

4. Identification of System: SPENT FUEL COOLING System #: 33 Quality Group: C

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
HINGE PIN PLUGS (2)	N/A	N/A	N/A	R91-5196	UNK	Replacement	No

7. Description of Work: CHECK VALVE HINGE PIN PLUGS REPLACED.

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

Other VT-1 Pressure _____ psig Test Temperature _____ °F

FORM NIS-2 (Back)

9. Remarks: THIS IS A MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

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

Signed Ry W. A. Technical Mgr Date 3/5 1996
 Owner or Owner's Designee, Title

403

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 and employed by Arkwright Mutual Insurance Company, of Norwood, Ma., have inspected the components described in this Owners Report during the period 09/05/95 to 03/04/96 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspectors Signature

Commissions NB 8230 (N)(1)
 National Board, State, Providence, and Endorsements.

Date March 5 1996

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

1. Owner Florida Power & Light
Name

Date 03/25/96

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

9700 SW 344 Street, Florida City, Fl. 33034
Address

WO #: 95031214

PCM #: 95-103

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

Expiration Date N/A

4. Identification of System: COMPONENT COOLING WATER System #: 30 Quality Group: C

5. (a) Applicable Construction Code 831.1 1955 Edition, NA Addenda, N/A Code Case

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
1" BLIND FLANGE (6)	IDEAL	N/A	N/A	UTC 390755, 3E207A,B,C HX'S	UNK.	Replacement	No
3" BLIND FLANGE (6)	IDEAL	N/A	N/A	UTC 390756, 3E207A,B,C HX'S	UNK.	Replacement	No
BOLTS (24) & NUTS (24)	N/A	N/A	N/A	R94-2667 BOLTS, R93-2122 NUTS, 3E207A,B,C HX'S	UNK.	Replacement	No
NUTS (46)	N/A	N/A	N/A	UTC351943 (15) UTC391981 (31) 3E207A,B,C	UNK.	Replacement	No
STUDS (24)	N/A	N/A	N/A	U93-2949, 3E207A,B,C HX'S	UNK.	Replacement	No

7. Description of Work: REMOVED PIPING (AMERTAP PIPING) FROM UNIT 3 CCW HX'S AND INSTALL BLIND FLANGES P

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

Other VT-2 Pressure 2 psig Test Temperature 72 °F

FORM HIS-2 (Back)

9. Remarks: MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ N/A _____

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

Signed *Robert J. Meyer* Date 3/26 19 96
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 11/09/96 to 03/24/96 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Robert J. Meyer
Inspectors Signature

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

Date 3/26 19 96

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

1. Owner Florida Power & Light
Name

700 Universe Blvd. Juno Beach FL. 33408
Address

2. Plant Turkey Point Plant
Name

9700 SW 344 Street, Florida City, FL. 33034
Address

3. Work Performed by Florida Power & Light
Name

P.O. Box 4332, Princeton, FL. 33032
Address

Date 05/23/96

Sheet 1 of 2

Unit 3
PWO #: 6177/63 WO #: 96008678 CR #: 96-696

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 & VOLUME CONTROL System #: 47 Quality Group: B

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
Charging Pump "B"	Union	H52216	N/A	3P210B	Unk	Replacement	No

7. Description of Work: REPLACED FLUID CYLINDER ASSEMBLY.

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

Other VT-2 Pressure 2350 psig Test Temperature 114 °F

FORM NIS-2 (Back)

9. Remarks: No welding required.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ N/A _____

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

Signed W. R. W. A. Technical Manager Date 5/29/96 19 _____

Owner or Owner's Designee, Title

HWD

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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 04/11/96 to 05/20/96 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspectors Signature

Commissions

NB 8230 (N)(1)

National Board, State, Providence, and Endorsements

Date 5/28 19 96

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

1. Owner Florida Power & Light
Name

Date 07/01/96

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

PWO #:5113/63 WO #: 96002325

9700 SW 344 Street, Florida City, FL. 33034
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

P.O. Box 4332, Princeton, FL. 33032
Address

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

5. (a) Applicable Construction Code 831.1 1955 Edition, NA Addenda, N/A Code Case

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
ICW CHECK VALVE	UNK	41195	N/A	3-50-331	N/A	Replaced	No
ICW CHECK VALVE	UNK	85223	N/A	3-50-331	N/A	Replacement	
STUDS(20) 1 1/8"	UNK	N/A	N/A	UTC 383150	N/A	Replacement	No
NUTS(40)							

7. Description of Work: REPLACED ICW CHECK VALVE 3-50-331. (REPLACED 20 STUDS AND 40 NUTS).

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

Other VI-1/2 Pressure 17 psig Test Temperature 91 °F

FORM NIS-2 (Back)

9. Remarks: MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned [Signature] Technical Manager Date July 12 1996
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 01/29/96 to 06/27/96 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature]

Commissions

NB 8230 (H)(1)

National Board, State, Providence, and Endorsements

Date July 3 1996

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

1. Owner Florida Power & Light
Name

Date 07/01/96

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

PWO #: 63/3405 WO #: 95028392

9700 SW 344 Street, Florida City, Fl. 33034
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

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

5. (a) Applicable Construction Code 831.1 1955 Edition, NA Addenda, N/A Code Case

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
INTAKE COOLING WATER PUMP	JOHNSTON PUMP	N/A	N/A	MODEL 33 CHC IST-7 3P9C	UNK.	Replaced	No
INTAKE COOLING WATER PUMP	JOHNSTON PUMP	N/A	N/A	MODEL 33 CHC IST-1 3P9C	UNK.	Replacement	No

7. Description of Work: INTAKE COOLING WATER PUMP 3C IST-7 REPLACED WITH REBUILT SPARE IST-1.

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

Other 1/2 Pressure 17 psig Test Temperature 86 °F

FORM NIS-2 (Back)

9. Remarks: MECHANICAL CONNECTION NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

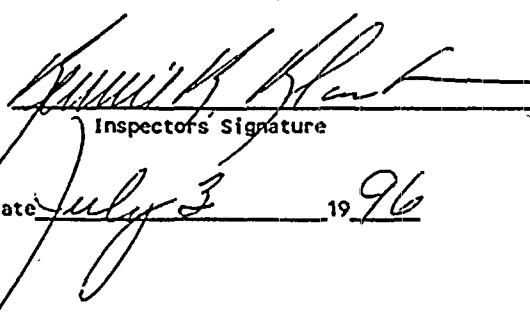
We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned Samuel B. St. Louis, Technical Manager Date July 12 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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 10/10/95 to 07/01/96 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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


Inspectors Signature

 Commissions NB 8230 (N)(I)
National Board, State, Providence, and Endorsements
Date July 3 1996

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

1. Owner Florida Power & Light
Name

700 Universe Blvd. Juno Beach Fl. 33408
Address

2. Plant Turkey Point Plant
Name

9700 SW 344 Street, Florida City, FL. 33034
Address

3. Work Performed by Florida Power & Light
Name

P.O. Box 4332, Princeton, FL. 33032
Address

Date 08/27/96

Sheet 1 of 2

Unit 3
PWO #:7951/63 WO #: 96018245

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: CCW System #: 30 Quality Group: C

5. (a) Applicable Construction Code 831.1 1955 Edition, NA Addenda, N/A Code Case

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
3E207C NUTS, HEAVY HEX (8)	N/A	N/A	N/A	UTC 393249 R 35113048 ASTM A-194 GR7	UNK	Replacement	No
3E207C BOLTS (85)	N/A	N/A	N/A	UTC 398167 H 81990	N/A	Replacement	No

7. Description of Work: CLEAN DIRTY COMPONENT COOLING HEAT EXCHANGER TUBES, REPLACED OUTLET DOOR STUDS

AND BOLTING

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

Other _____ Pressure _____ psig Test Temperature _____ °F

FORM HIS-2 (Back)

9. Remarks: THIS IS A MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ N/A _____

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

Signed *entm* Date 8/27 19 96

Owner or Owner's Designee, Title

4W3

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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 07/19/96 to 08/07/96 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Amos Blair
Inspector's Signature

Commissions: NB 8230 (N)(1)
National Board, State, Providence, and Endorsements

Date 8/27 19 96

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

1. Owner Florida Power & Light
Name

700 Universe Blvd. Juno Beach FL. 33408
Address

2. Plant Turkey Point Plant
Name

9700 SW 344 Street, Florida City, FL. 33034
Address

3. Work Performed by Florida Power & Light
Name

P.O. Box 4332, Princeton, FL. 33032
Address

Date 08/07/96

Sheet 1 of 2

Unit 3
PWO #: 5127/63 WO #: 96002326

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: Intake Cooling Water System System #: 19 Quality Group: C

5. (a) Applicable Construction Code 831.1 1955 Edition, NA Addenda, N/A Code Case

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
BOLTS (20)	N/A	N/A	N/A	R 87-5164, 1-1/4"x5" UTC 351875 XJ-3-1408	UNK	Replacement	No
NUTS (20)	N/A	N/A	N/A	R 87-5164, 1-1/4" UTC 351885/393251	UNK	Replacement	No

7. Description of Work: EXPANSION JOINT XJ-3-1408 REPLACED AT 3C ICW PUMP DISCHARGE.

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

Other VT-1/2 Pressure 17 psig Test Temperature 91 °F

FORM HIS-2 (Back)

9. Remarks: THIS IS A MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ N/A

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

Signed enm/pe Date 8/27 19 96

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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 01/30/96 to 08/07/96 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Bruce B. Shurt
Inspector's Signature

Commissions

NB 8230 (N)(1)
National Board, State, Providence, and EndorsementsDate 8/27 19 96

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

1. Owner Florida Power & Light
Name

700 Universe Blvd. Juno Beach Fl. 33408
Address

2. Plant Turkey Point Plant
Name

9700 SW 344 Street, Florida City, Fl. 33034
Address

3. Work Performed by Florida Power & Light
Name

P.O. Box 4332, Princeton, Fl. 33032
Address

Date 08/22/96

Sheet 1 of 2

Unit 3
PWO #:63/8384 WO #: 96020299

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: COMPONENT COOLING WATER System #: 30 Quality Group: C

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
NUTS (2) HX OUTLET DOOR	N/A	N/A	N/A	3E207C UTC 393249 ASTM A-194 GR 7	UNK	Replacement	No
STUDS (2) HX OUTLET DOOR	N/A	N/A	N/A	3E207C UTC 398167	UNK	Replacement	No

7. Description of Work: 2 STUDS AND NUTS REPLACED ON 3C CCW HEAT EXCHANGER ACCESS DOOR.

8. Tests Conducted: Hydrostatic: _____ Pneumatic: _____ Nominal Operating Pressure _____
Other _____ Pressure _____ psig Test Temperature _____ °F

FORM HIS-2 (Back)

9. Remarks: THIS IS A MECHANICAL CONNECTION. NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *ENR M. Lee* Date 8/27 1996
Owner or Owner's Designee, Title

WMB

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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 08/07/96 to 08/22/96 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Quinn B. Blum
Inspector's Signature

Commissions NB 8230 (H)(1)
National Board, State, Providence, and Endorsements

Date 8/27 1996

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

1. Owner Florida Power & Light
Name

Date 09/26/96

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

9700 SW 344 Street, Florida City, Fl. 33034
Address

PWO #: 63/7082 WO #: 96014602

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

Expiration Date N/A

4. Identification of System: CHEMICAL & VOLUME CONTROL System #: 47 Quality Group: B

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
RELIF VALVE 2" X 3"	CROSBY VALVE & GAGE	51300	N/A	RV-3-203	UNK.	Replaced	No
RELIEF VALVE 2" X 3"	CROSBY VALVE & GAGE	H82705-00- 0003	N/A	UTC 371565, RV-3-203 UP.0#C95677-90722 C/O	UNK.	Replacement	No
STUDS (8)	N/A	N/A	N/A	UTC 378831, 5/8" X 11 UNC 2	UNK.	Replacement	No
NUTS (16)	N/A	N/A	N/A	UTC 391981, ASTM A-194 GR 2H	UNK.	Replacement	No

7. Description of Work: RELIEF VALVE RV-3-203 REPLACED WITH TESTED SPARE. EIGHT (8) STUDS AND SIXTEEN

(16) NUTS REPLACED.

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

Other VT-1/2 Pressure 270 psig Test Temperature 137 °F

FORM NIS-2 (Back)

9. Remarks: MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

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

Signed

CAMILLE, SYSTEMS ENG. MGR.
Owner or Owner's Designee, Title

Date

9/261996

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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 06/05/96 to 09/26/96 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Camille S. Blum
Inspector's Signature

Commissions

NB 8230 (W)(1)

National Board, State, Providence, and Endorsements

Date

9/261996

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

1. Owner Florida Power & Light
Name

Date 10/28/96

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3
PWO #:63/0522 WO #: 96027062

9700 SW 344 Street, Florida City, Fl. 33034
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

4. Identification of System: COMPONENT COOLING WATER System #: 30 Quality Group: C

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
NUTS (30) CCW HX OUTLET DOOR	N/A	N/A	N/A	3E207B UTC 393249 ASTM A-194 GR 7	UNK	Replacement	No
BOLTS (30) CCW HX OUTLET DOOR	N/A	N/A	N/A	3E207B UTC 398167	UNK	Replacement	No

7. Description of Work: CCW HX 3B ACCESS DOOR STUDS AND NUTS REPLACED.

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

Other _____ Pressure _____ psig Test Temperature _____ °F

FORM HIS-2 (Back)

9. Remarks: THIS IS A MECHANICAL CONNECTION. NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ N/A _____

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

Signed [Signature] Date 11/6 19 96
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 10/11/96 to 10/28/96 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspectors Signature

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

Date 11/6 19 96

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

1. Owner Florida Power & Light
Name

Date 01/02/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

PWO #:1204/63 WO #: 96031833

9700 SW 344 Street, Florida City, Fl. 33034
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

4. Identification of System: COMPONENT COOLING WATER System #: 30 Quality Group: C

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
NUT (1)	N/A	N/A	N/A	HEAVY HEX ASTM A-194 UTC 393249 H CV333	UNK	Replacement	No

7. Description of Work: REPLACED ONE NUT ON COMPONENT COOLING HEAT EXCHANGER

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

Other _____ Pressure _____ psig Test Temperature _____ °F

FORM HIS-2 (Back)

9. Remarks: THIS WAS A MECHANICAL CONNECTION. NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned Paul K. Philp / SYSTEMS ENG. MGR. Date 1/16 1997
Owner or Owner's Designee, Title

MJB

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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 12/11/96 to 01/02/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Bennett J. Stein
Inspector's Signature

Commissions

NB 8230 (N)(I)

National Board, State, Providence, and Endorsements

Date 1/7 1997

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

1. Owner Florida Power & Light
Name

Date 02/03/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3
PWO #: 63/1638 WO #: 97001635 CR #: 96-0070

9700 SW 344 Street, Florida City, Fl. 33034
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

4. Identification of System: COMPONENT COOLING WATER System #: 30 Quality Group: C

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Edition, N/A Addenda, N416-1 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
3E207B	Westinghouse	N/A	047	Component Cooling Water Heat Exchanger "B"	1968	Repaired	Yes

7. Description of Work: CUT 6" X 8" ACCESS HOLE FOR FOREIGN MATERIAL RETRACTION. CODE CASE N-416-1 HAS

BEEN ENVOCKED FOR THIS REPAIR ACTIVITY.

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

Other MT ROOT Pressure NOM psig Test Temperature NOM °F

FORM NIS-2 (Back)

9. Remarks: Code Case N416-1 was invoked for this repair activity. All welding was performed
in accordance with the FPL Weld Control Manual.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *[Signature]* System Engineering Manager Date February 4 19 97
 Owner or Owner's Designee, Title

[Initials]

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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 01/22/97 to 02/03/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspectors Signature

Commissions

NB 8230 (N)(1)

National Board, State, Providence, and Endorsements

Date 2/4 19 97

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

1. Owner Florida Power & Light
Name

Date 02/11/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3
PWO #:63/8809 WO #: 96020605

9700 SW 344 Street, Florida City, Fl. 33034
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

Expiration Date N/A

4. Identification of System: COMPONENT COOLING WATER System #: 30 Quality Group: C

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp
STUDS (160) 3/4" X 8 1/2"	N/A	N/A	N/A	THREADED ROD, UTC 406446-1/406518-1	UNK	Replacement	No
NUTS (320) 3/4"	N/A	N/A	N/A	NUTS, ASME SA-194 GR 7 UTC 393249-1/406514-1	UNK	Replacement	No
STUDS (40) 1 1/8" X 8"	N/A	N/A	N/A	THREADED ROD, UTC 400981-1	UNK	Replacement	No
NUTS (80) 1 1/8"	N/A	N/A	N/A	NUTS, ASME SA-194 GR 7 UTC 351807/398260/399264	UNK	Replacement	No

7. Description of Work: REPLACE BOLTING ON CCW HEAT EXCHANGER "B" CHANNEL HEAD AND ELBOW.

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

Other _____ Pressure _____ psig Test Temperature _____ °F

FORM NIS-2 (Back)

9. Remarks: NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

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

Signed *[Signature]* System Engineering Manager Date Feb 14 19 97
 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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 01/09/97 to 02/10/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspectors Signature

Commissions NB 8230 (N)(I)
 National Board, State, Providence, and Endorsements

Date 2/17 19 97

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

1. Owner Florida Power & Light
Name

Date 02/11/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

PWO #:63/8809 WO #: 96020605

9700 SW 344 Street, Florida City, Fl. 33034
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

4. Identification of System: COMPONENT COOLING WATER System #: 30 Quality Group: C

5. (a) Applicable Construction Code 831.1 1955 Edition, NA Addenda, N/A Code Case

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
SQUARE HEAD BOLT (20, 1 1/8" DIA)	N/A	N/A	N/A	UTC 406513 HEAT 54333	UNK	Replacement	No
HEAVY HEX NUTS (20, 1 1/8" DIA)	N/A	N/A	N/A	UTC 399624	UNK	Replacement	No

7. Description of Work: REPLACED (20) SQUARE HEAD BOLTS & NUTS ON CCW HEAT EXCHANGER B CHANNEL HEAD.

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

Other _____ Pressure _____ psig Test Temperature _____ °F

FORM NIS-2 (Back)

9. Remarks: NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned Dr. J. L. Suter, Systems Engineering Manager Date Feb 14 1997
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 01/09/97 to 02/11/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature]Commissions NB 8230 (N)(I)
National Board, State, Providence, and EndorsementsDate 2/17 1997

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

1. Owner Florida Power & Light
Name

700 Universe Blvd. Juno Beach Fl. 33408
Address

2. Plant Turkey Point Plant
Name

9760 SW 344 Street, Florida City, Fl. 33035
Address

3. Work Performed by Florida Power & Light
Name

P.O. Box 4332, Princeton, Fl. 33032
Address

Date 03/20/97

Sheet 1 of 2

Unit 3
PWO #:63/2502 WO #: 97006743 CR #: 97-0432

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: RESIDUAL HEAT REMOVAL System #: 50 Quality Group: B

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
PIPE TO ELBOW WELD	N/A	N/A	N/A	14"-RHR-2301-10	UNK	Repaired	No

7. Description of Work: INDICATION BUFFED OUT THAT WAS FOUND DURING ROUTINE ISI INSPECTION.

8. Tests Conducted: Hydrostatic: _____ Pneumatic: _____ Nominal Operating Pressure _____
Other UT/PT Pressure _____ psig Test Temperature _____ °F

FORM HIS-2 (Back)

9. Remarks: NO WELDING REQUIRED

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ N/A _____

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

Signed Dr. Tony L. Sykes Engineering Manager Date MARCH 23 19 97
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 03/17/97 to 03/20/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Kevin G. Black
Inspectors Signature

Commissions

NB 8230 (N)(I)

National Board, State, Providence, and Endorsements

Date 3/24 19 97

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

1. Owner Florida Power & Light
Name

Date 03/25/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3
PWO #:63/2531 WO #: 97006917 CR #: 97-479

9760 SW 344 Street, Florida City, Fl. 33035
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

4. Identification of System: RESIDUAL HEAT REMOVAL System #: 50 Quality Group: B

5. (a) Applicable Construction Code ASME SECTION III 1965 Edition, N/A Addenda, N/A Code Case

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
3A RHR HEAT EXCHANGER	ATLAS INDUSTRIAL MANUFACTURING	877	727	3E206A	1968	Repaired	Yes

7. Description of Work: GRIND OUT LIQUID PENETRANT INDICATION IDENTIFIED DURING ROUTINE INSERVICE

INSPECTION.

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

FORM NIS-2 (Back)

9. Remarks: NO WELDING REQUIRED

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ N/A

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

Signed Daniel J. Smyth System Engineering Manager Date MARCH 29 19 97
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 03/19/97 to 03/21/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Daniel J. Smyth
Inspectors Signature

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

Date 3/30/97 19 97

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

1. Owner Florida Power & Light
Name

Date 03/25/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

PWO #:63/8991 WO #: 96024216 CR #: 96-776

9760 SW 344 Street, Florida City, Fl. 33035
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

4. Identification of System: MAIN STEAM System #: 72 Quality Group: B

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
LOAD STUD (1) FOR PSA-35 SNUBBER TAG # 3-1084	N/A	N/A	N/A	STOCK CODE #0197328 17-4 SS ASME SA-564	UNK.	Replacement	No
NUTS (4) FOR PSA-35 SNUBBER TAG # 3-1084	N/A	N/A	N/A	STOCK CODE #0209608 ASME A-194 GRADE 8	UNK.	Replacement	No

7. Description of Work: REPLACED LOAD PIN ON PACIFIC SCIENTIFIC MODEL PSA-35 SNUBBER TAG # 3-1084 WITH
LOAD STUD.

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

Other VT-3 Pressure _____ psig Test Temperature _____ °F

FORM NIS-2 (Back)

9. Remarks: MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned Daniel J. Ameyenti System Engineering Manager Date MARCH 29 1997
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 09/18/96 to 03/24/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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


Inspector's Signature
Commissions NB 8230 (N)(1)

National Board, State, Providence, and Endorsements

Date 3/30 1997

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

1. Owner Florida Power & Light
Name

Date 03/24/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

PWO #:63/7603 WO #: 96016980

9760 SW 344 Street, Florida City, Fl. 33035
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

4. Identification of System: AUX FEEDWATER System #: 75 Quality Group: C

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
NUTS (14)	N/A	N/A	N/A	STK CODE 00278361	UNK	Replacement	No
CAP SCREWS (14)	N/A	N/A	N/A	STK CODE 00271201	UNK	Replacement	No

7. Description of Work: DISASSEMBLE/INSPECT/REASSEMBLE 3-20-401

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

Other _____ Pressure _____ psig Test Temperature _____ °F

FORM HIS-2 (Back)

9. Remarks: MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned Danilo J. Frazzetta, System Engineering Manager Date MAR 24 1997
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 07/01/96 to 03/24/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Danilo J. Frazzetta
Inspectors Signature

Commissions NB 8230 (N)(I)
National Board, State, Providence, and Endorsements

Date 3/25 1997

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

1. Owner Florida Power & Light
Name

Date 03/24/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3
PWO #:0991/63 WO #: 96030528

9760 SW 344 Street, Florida City, Fl. 33035
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

4. Identification of System: CHEMICAL & VOLUME CONTROL System #: 47 Quality Group: C

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
THREADED ROD 8 STUDS FABRICATED	N/A	N/A	N/A	UTC 398161 ASME SA-193 GRADE B7	UNK.	Replacement	No
HEAVY HEX NUTS (16)	N/A	N/A	N/A	UTC 399723 ASME SA-194 GRADE 2H	UNK.	Replacement	No

7. Description of Work: REPLACED EIGHT (8) STUDS AND SIXTEEN (16) NUTS ON NON-REGENERATIVE HEAT

EXCHANGER (3E201) FABRICATED BY ATLAS-COPCO INC. MODEL D-1503-7.

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

Other _____ Pressure _____ psig Test Temperature _____ °F

FORM NIS-2 (Back)

9. Remarks: MECHANICAL CONNECTION NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned William J. Fitzgerald Date MARCH 29 19 97
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 11/25/96 to 03/24/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

William J. Fitzgerald
Inspector's Signature

Commissions NB 8230 (N)(I)

National Board, State, Providence, and Endorsements

Date 3/30 19 97

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

1. Owner Florida Power & Light
Name

Date 04/18/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

9760 SW 344 Street, Florida City, Fl. 33035
Address

PWO #: 63/0124 WO #: 96025060
PCH #: 96-012

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

Expiration Date N/A

4. Identification of System: Safety Injection System System #: 62 Quality Group: B

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Edition, N/A Addenda, N416-1 Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
3T208 BORON INJECTION TANK	N/A	N/A	N/A	PC/M. 96-012 BORON INJ TK MODIFICATION	UNK	Replacement	No

7. Description of Work: PIPING MODIFICATION OF SAFETY INJECTION LINE TO BYPASS THE BORON INJECTION TANK.

THE FOLLOWING MATERIAL WAS USED: (2) 90 DRG 4" SCH 80 ELBOWS UTC 398779, 4" SCH 316 ASME SA/312 SCH

80 UTC 398561, (4) SOCKOLET SS ASME SA182 UTC 406901, (2) 45 DRG 4" SCH 80 ELBOWS UTC 406833,

(1) 4" SS TEE SCH 80 ASME SA403 UTC 407413. FOR SUPPORTS 3-SIH-23 & H-IC-248B-1 THE FOLLOWING

MATERIAL WAS USED: (2) 4" PIPE CLAMPS UTC 405948, (2) WELDLESS EYE NUTS UTC 405946, (2) WELDED BEAM

ATTACHMENTS UTC 405945, (2) WELDED EYE ROOS UTC 405947 AND (2) PLATES 1/2X6X7 UTC 390858.

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

Other VT-2/3 Pressure 1550 psig Test Temperature 83 °F

FORM HIS-2 (Back)

9. Remarks: SUPPORT 3-SIH-139 THE FOLLOWING MATERIAL WAS USED: (1) 4" PIPE U-BOLT UTC 400433

(1) 4" PIPE SADDLE UTC 405949. SUPPORT 8080-H-007-1 THE FOLLOWING MATERIAL WAS USED: (1) CHANNEL, ST
TEEL UTC 407359, (2) CLAMPS UTC 374568, (2) NUT, SPRING UTC 393247, ANGLE C.S. ASTM A36 UTC 403958. THE
REQUIREMENTS OF CODE CASE N416-1 HAVE BEEN MET FOR THIS REPLACEMENT ACTIVITY.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Donald F. Engel, System Engineering Manager Date April 26 19 97
 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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 04/07/96 to 04/18/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Donald F. Engel
 Inspector's Signature

Commissions NB 8230 (H)(1)
 National Board, State, Providence, and Endorsements

Date 4/28 19 97

BLS

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

1. Owner Florida Power & Light
Name

Date 03/30/97

700 Universe Blvd. Juno Beach FL. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

PWO #:3648/63 WO #: 95028815

9760 SW 344 Street, Florida City, FL. 33035
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

P.O. Box 4332, Princeton, FL. 33032
Address

4. Identification of System: CHEMICAL AND VOLUME CONTROL System #: 47 Quality Group: C

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
STUDS (24)	N/A	N/A	N/A	3E201	UNK.	Replacement	No
NUTS (48)	N/A	N/A	N/A	3E201	UNK.	Replacement	No

7. Description of Work: REPLACED 24 STUDS AND 48 NUTS ON THE NON-REGENERATIVE HEAT EXCHANGER ENDBELL

ASSEMBLY.

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

Other _____ Pressure _____ psig Test Temperature _____ °F

FORM NIS-2 (Back)

9. Remarks: MECHANICAL CONNECTION NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ N/A _____

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

Signed David J. Strongfort System Engineering Manager Date MARCH 31 19 97
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 10/23/95 to 03/27/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

David J. Strongfort
Inspector's Signature

Commissions NB 8230 (N)(I)
National Board, State, Providence, and Endorsements

Date 4/1 19 97

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

1. Owner Florida Power & Light
Name

Date 04/07/97

700 Universe Blvd. Juno Beach FL. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3
PHO #:63/7853 WO #: 96012069

9760 SW 344 Street, Florida City, FL. 33035
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. Box 4332, Princeton, FL. 33032
Address

Expiration Date N/A

4. Identification of System: REACTOR COOLANT System #: 41 Quality Group: A

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
PRESSURIZER RELIEF VALVE	CROSBY	H51249-1580	N/A	RV-3-551A	UNK.	Replaced	No
PRESSURIZER RELIEF VALVE	CROSBY	H51249-1362	N/A	RV-3-551A	UNK.	Replacement	No

7. Description of Work: REMOVE PRESSURIZER SAFETY VALVE RV-3-551A AND INSTALL SPARE.

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

Other VT-1/2 Pressure 2280 psig Test Temperature 535 °F

FORM NIS-2 (Back)

9. Remarks: MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned David M. Smith, Senior Engineering Manager Date April 12 1997
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 07/14/96 to 03/27/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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


Inspectors Signature
Commissions NB-8230 (N)(1)
National Board, State, Providence, and EndorsementsDate 4/10 1997

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

1. Owner Florida Power & Light
Name

700 Universe Blvd. Juno Beach Fl. 33408
Address

2. Plant Turkey Point Plant
Name

9760 SW 344 Street, Florida City, Fl. 33035
Address

3. Work Performed by Florida Power & Light
Name

P.O. Box 4332, Princeton, Fl. 33032
Address

Date 04/16/97

Sheet 1 of 2

Unit 3
PWO #:63/2645 WO #: 97007310 CR #: 97-531

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: Component Cooling Water System System #: 30 Quality Group: B

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
TRANSITION TUBE ASSEMBLY	N/A	N/A	N/A	FOR HSA TAG #3-1096	UNK	Repaired	No

7. Description of Work: TRANSITION TUBE ON SHUBBER 3-1096 WAS SHORTENED BY REMOVING EXISTING WELD

AND REWELDING.

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

Other VT-3 Pressure N/A psig Test Temperature N/A °F

FORM NIS-2 (Back)

9. Remarks: ALL WELDING PERFORMED IN ACCORDANCE WITH APPROVED PLANT PROCEDURES.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ N/A

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

Signed Donald P. Brown, Jr. System Engineering Manager Date April 26 1997
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 03/25/97 to 04/16/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Donald P. Brown, Jr. Commissions NB 8230 (N)(I)
Inspector's Signature National Board, State, Providence, and Endorsements

Date 4/28 1997

BB

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

1. Owner Florida Power & Light
Name

Date 04/08/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

PWO #:63/2418 WO #: 97006494

9760 SW 344 Street, Florida City, Fl. 33035
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

4. Identification of System: RHR System #: 50 Quality Group: B

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
PLUGS (4)	N/A	N/A	N/A	RO-3-1469 UTC 406038 ASME SA-182 F316 SS	UNK.	Replacement	No

7. Description of Work: REPLACED PLUGS ON RESTRICTING ORIFICE RO-3-1469 FLANGES.

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

Other _____ Pressure N/A psig Test Temperature N/A °F

FORM NIS-2 (Back)

9. Remarks: MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned David J. Smith, System Engineering Manager Date April 10 19 97
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 03/14/97 to 04/08/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

David J. Smith
Inspectors Signature

Commissions

NB 8230 (H)(1)

National Board, State, Providence, and Endorsements

Date 4/10 19 97

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

1. Owner Florida Power & Light
Name

700 Universe Blvd. Juno Beach Fl. 33408
Address

2. Plant Turkey Point Plant
Name

9760 SW 344 Street, Florida City, Fl. 33035
Address

3. Work Performed by Florida Power & Light
Name

P.O. Box 4332, Princeton, Fl. 33032
Address

Date 04/01/97

Sheet 1 of 2

Unit 3
PWO #:63/6231 WO #: 96009195

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 & VOLUME CONTROL System #: 47 Quality Group: B

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
4" BUTTERFLY VALVE	FISHER	N/A	N/A	3-269 UTC 407522	UNK.	Replacement	No
STUDS (8)	N/A	N/A	N/A	3-269 UTC 378831	UNK.	Replacement	No
NUTS (16)	N/A	N/A	N/A	3-269 UTC 405142	UNK.	Replacement	No

7. Description of Work: CHARGING PUMP 3B INLET ISOLATION VALVE 3-269 REPLACEMENT.

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

Other VT-1/2 Pressure 20 psig Test Temperature 89 °F

FORM NIS-2 (Back)

9. Remarks: MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ N/A _____

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

Signed Samuel K. Amos Jr. Super Engineering Manager Date April 2 19 97
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

4/1/97
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 04/07/96 to 4/1/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Samuel K. Amos Jr.
Inspectors Signature

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

Date 4/2 19 97

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

1. Owner Florida Power & Light
Name

Date 03/30/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

PWO #: 2508/63 WO #: 97006766 CR #: 97-0466

9760 SW 344 Street, Florida City, Fl. 33035
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

4. Identification of System: SAFETY INJECTION System #: 62 Quality Group: B

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
SUPPORT 8080-R-007-01	N/A	N/A	N/A	DRWG # 5613-H-823 SHT 17	UNK.	Repaired	No

7. Description of Work: GROUND PT. INDICATIONS UNTIL INDICATIONS WERE AN ACCEPTABLE SIZE, OR WERE

ACCEPTABLE AS-IS PER CONDITION REPORT CR97-0466.

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

Other PT _____ Pressure _____ psig Test Temperature _____ °F

FORM NIS-2 (Back)

9. Remarks: NO WELDING WAS PERFORMED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned David H. Amadio System Engineering Manager Date MAR 31 19 97
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 03/18/97 to 03/30/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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


Inspector's Signature
Commissions NB 8230 (N)(1)

National Board, State, Providence, and Endorsements

Date 4/1/97 19 97

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

1. Owner Florida Power & Light
Name

Date 03/30/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

PWO #: 2507/63 WO #: 97006765 CR #: 97-0465

9760 SW 344 Street, Florida City, Fl. 33035
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

4. Identification of System: SAFETY INJECTION System #: 62 Quality Group: B

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
SUPPORT 8080-H-007-07	N/A	N/A	N/A	DRWG # 5613-H-823 SHT 11	UNK.	Repaired	No

7. Description of Work: GROUND PT INDICATIONS UNTIL THEY WERE AN ACCEPTABLE SIZE OR WERE ACCEPTABLE FOR

USE AS-IS IAW CONDITION REPORT CR97-0465.

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

Other PT _____ Pressure _____ psig Test Temperature _____ °F

FORM NIS-2 (Back)

9. Remarks: NO WELDING WAS PERFORMED.

CERTIFICATE OF COMPLIANCE

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

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

Signed

Samuel J. Zingales System Engineering Manager
Owner or Owner's Designee, Title

Date

MARCH 3119 97

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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 03/18/97 to 03/30/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Samuel J. Zingales
Inspector's Signature

Commissions

NB 8230 (N)(1)

National Board, State, Providence, and Endorsements

Date

4/1

19

97

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

1. Owner Florida Power & Light
Name

700 Universe Blvd. Juno Beach FL. 33408
Address

2. Plant Turkey Point Plant
Name

9760 SW 344 Street, Florida City, FL. 33035
Address

3. Work Performed by Florida Power & Light
Name

P.O. Box 4332, Princeton, FL. 33032
Address

Date 03/30/97

Sheet 1 of 2

Unit 3
PWO #:2506/63 WO #: 97006764 CR #: 97-0464

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: SAFETY INJECTION System #: 62 Quality Group: B

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
SUPPORT 8080-H-007-10	N/A	N/A	N/A	DRWG # 5613-H-823 SHT 15	UNK.	Repaired	No

7. Description of Work: GROUND PT INDICATIONS UNTIL ACCEPTABLE SIZE OR WERE ACCEPTABLE FOR USE AS-IS PER

CONDITION REPORT CR97-0464.

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

Other PT _____ Pressure _____ psig Test Temperature _____ °F

FORM NIS-2 (Back)

9. Remarks: NO WELDING WAS PERFORMED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned Daniel J. Frangeli, System Engineering Manager Date MARCH 31 1997
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 03/18/97 to 03/30/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Daniel B. Clark
Inspector's Signature

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

Date 4/1 1997

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

1. Owner Florida Power & Light
Name

Date 04/08/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3
PWO #:63/2528 WO #: 97006902

9760 SW 344 Street, Florida City, FL. 33035
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

P.O. Box 4332, Princeton, FL. 33032
Address

Expiration Date N/A

4. Identification of System: CHEMICAL & VOLUME CONTROL System #: 47 Quality Group: A

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
STUDS (4)	N/A	N/A	N/A	UTC 352606 ASME SA-19 STK CODE #28253 R95-0154	UNK	Replacement	No
NUTS (4)	N/A	N/A	N/A	UTC 393252 ASTM A-194 STK CODE #27963	UNK	Replacement	No
VALVE BONNET	VELAN	N/A	N/A	3-312A UTC# 331592 STK CODE #52497	UNK	Replacement	No

7. Description of Work: REPLACED 4 STUDS AND 4 NUTS ON BODY TO BONNET. REMOVED BONNET FROM SPARE

VALVE IN STORES AND REPLACED EXISTING BONNET ON CHECK VALVE 3-312A.

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

Other VT-1/2 Pressure 2280 psig Test Temperature 535 °F

FORM NIS-2 (Back)

9. Remarks: MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned Stanley J. Spivey, Manager Date April 10 19 97
Owner or Owner's Designee, Title

NB

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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 03/19/97 to 03/30/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Stanley J. Spivey
Inspectors Signature

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

Date 4/10 19 97

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

1. Owner Florida Power & Light
Name

Date 03/30/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

PWO #:63/7857 WO #: 96014466

9760 SW 344 Street, Florida City, Fl. 33035
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

4. Identification of System: MAIN STEAM System #: 72 Quality Group: B

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
STUDS (4)	N/A	N/A		UTC 393207 STK CODE #28047	UNK	Replacement	No
NUTS (24)	N/A	N/A		UTC 408254 STK CODE #27869 R87-6134	UNK	Replacement	No

7. Description of Work: REPLACEMENT OF 4 STUDS AND 24 NUTS ON BODY TO BONNET, VALVE POV-3-2606.

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

Other _____ Pressure _____ psig Test Temperature _____ °F

FORM NIS-2 (Back)

9. Remarks: THIS IS MECHANICAL CONNECTION, NO WELDING REQUIRED

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned Daniel P. Branganzi System Engineering Manager Date MARCH 31 19 97
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 07/18/96 to 03/30/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Daniel P. Branganzi
Inspectors Signature

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

Date 4/1 19 97

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

1. Owner Florida Power & Light
Name

Date 04/02/97

700 Universe Blvd. Juno Beach FL 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

PWO #:63/7086 WO #: 96014408

9760 SW 344 Street, Florida City, FL 33035
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

P.O. Box 4332, Princeton, FL 33032
Address

4. Identification of System: SAFETY INJECTION System #: 62 Quality Group: A

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
PSA-3 SNUBBER	PACIFIC SCIENTIFIC	2889	N/A	3-1019, 3-PRWH-1	UNK	Replaced	Yes
PSA-3 SNUBBER	PACIFIC SCIENTIFIC	17425		3-1019, 3-PRWH-1	UNK	Replacement	Yes

7. Description of Work: SNUBBER REPLACED DUE TO LCO ON UNIT 4

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

Other VI-3 Pressure N/A psig Test Temperature N/A °F

FORM NIS-2 (Back)

9. Remarks: MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned *Demetrius Morgan* Date April 10 19 97
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 09/18/96 to 04/01/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Demetrius Morgan
Inspector's Signature

Commissions

NB 8230 (N)(I)

National Board, State, Providence, and Endorsements

Date 4/10 19 97

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

1. Owner Florida Power & Light
Name

Date 04/07/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3
PWO #:63/7855 WO #: 96012072

9760 SW 344 Street, Florida City, Fl. 33035
Address

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

3. Work Performed by Florida Power & Light
Name

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

P.O. Box 4332, Princeton, Fl. 33032
Address

4. Identification of System: REACTOR COOLANT System #: 41 Quality Group: A

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
PRESSURIZER RELIEF VALVE	CROSBY	N69877-01 -0009	N/A	RV-3-551C	UNK.	Replaced	No
PRESSURIZER RELIEF VALVE	CROSBY	H51249-1361	N/A	RV-3-551C	UNK.	Replacement	No

7. Description of Work: REMOVE PRESSURIZER SAFETY VALVE RV-3-551C AND INSTALL SPARE.

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

Other VT-1/2 Pressure 2280 psig Test Temperature 535 °F

FORM NIS-2 (Back)

9. Remarks: MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned *David P. Ford* *System Engineering Manager* Date *April 10* 19 *97*
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 07/14/96 to 04/07/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

James B. Blum
Inspectors Signature

Commissions

NB 8230 (N)(I)

National Board, State, Providence, and Endorsements

Date *4/10* 19 *97*

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

1. Owner Florida Power & Light
Name

700 Universe Blvd. Juno Beach Fl. 33408
Address

2. Plant Turkey Point Plant
Name

9760 SW 344 Street, Florida City, Fl. 33035
Address

3. Work Performed by Florida Power & Light
Name

P.O. Box 4332, Princeton, Fl. 33032
Address

Date 04/08/97

Sheet 1 of 2

Unit 3
PWO.#:63/7854 WO.#: 96012071

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 #: 41 Quality Group: A

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
PRESSURIZER RELIEF VALVE	CROSBY	N69877-01-0008	N/A	RV-3-551B	UNK.	Replaced	No
PRESSURIZER RELIEF VALVE	CROSBY	51249-1360	N/A	RV-3-551B	UNK.	Replacement	No

7. Description of Work: REMOVE PRESSURIZER SAFETY VALVE RV-3-551B AND INSTALL SPARE.

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

Other VT-2 Pressure 2280 psig Test Temperature 535 °F

FORM NIS-2 (Back)

9. Remarks: MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned Samuel B. Blunt Super Engineering Manager Date April 10 19 97
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 07/14/96 to 04/07/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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Samuel B. Blunt
Inspectors Signature

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

Date 4/10 19 97

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

1. Owner Florida Power & Light
Name

Date 04/09/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3
WO #: 96023455

9760 SW 344 Street, Florida City, FL. 33035
Address

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

3. Work Performed by VSL Corporation
Name

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

1671 Dell Ave., Campbell, CA 95008
Address

4. Identification of System: Containment Building System #: 51 Quality Group: B

5. (a) Applicable Construction Code ACI 318-63, ACI 301-66 19-- Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Edition, 92 Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
Donut Shims (2) 1/4"	Nova Machining Products Corp.	N/A	N/A	ASTM A576-86 Gr. 1045 LOT# 35284004	1996	Replacement	No

7. Description of Work: Added two 1/4" thick donut shims at Unit 3 tendon 61V27 to obtain original lift-
off force after detensioning. Tendon Surveillance performed under P.O. 00016055.

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

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

FORM NIS-2 (Back)

9. Remarks: No welding required.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ N/A _____

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

Signed EAM RA SPC PE 41855 Lead Civil Engineer Date 4/9 1997
 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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 09/01/96 to 04/08/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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[Signature]
 Inspector's Signature

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

Date 4/9 1997

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

1. Owner Florida Power & Light
Name

700 Universe Blvd. Juno Beach Fl. 33408
Address

Date 04/09/97

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

9760 SW 344 Street, Florida City, Fl. 33035
Address

Unit 3
WO #: 96023455

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

3. Work Performed by VSL Corporation
Name

1671 Dell Ave., Campbell, CA. 95008
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System: Containment Building System #: 51 Quality Group: B

5. (a) Applicable Construction Code ACI 318-63, ACI 301-66 19-- Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Edition, 92 Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
Donut Shim (1) 1/2"	Nova Machining Products Corp	N/A	N/A	ASTM A576-86 Gr. 1045 LOT # 35284002	1996	Replacement	No
Donut Shim (1) 1/4"	Nova Machining Products Corp	N/A	N/A	ASTM A576-86 Gr. 1045 LOT # 35284004	1996	Replacement	No

7. Description of Work: Added 1/2" and 1/4" shim at Unit 3 tendon 42H40 to obtain original lift-off

force after detensioning. Tendon Surveillance performed under P.O. 00016055.

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

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

FORM NIS-2 (Back)

9. Remarks: No welding required.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned SAM MA SP Chari PE/IBSS, Lead Civil Engineer Date 4/9 1997
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 09/01/96 to 04/08/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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Inspector's Signature [Signature]

Commissions

NB 8230 (N)(1)

National Board, State, Providence, and Endorsements

Date 4/9 1997

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

1. Owner Florida Power & Light
Name

Date 04/09/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

WO #: 96023455

9760 SW 344 Street, Florida City, Fl. 33035
Address

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

3. Work Performed by VSL Corporation
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

1671 Dell Ave., Campbell, CA. 95008
Address

4. Identification of System: Containment Building System #: 51 Quality Group: B

5. (a) Applicable Construction Code ACI 318-63, ACI 301-66 19-- Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Edition, 92 Addenda, N/A Code Case

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp
Donut shim (1) 1/4"	Nova Machining Products Corp.	N/A	N/A	ASTM A576-86 Gr. 1045 LOT # 35284004	1996	Replacement	No

7. Description of Work: Added 1/4" donut shim at Unit 3 tendon 3016 to obtain original lift-off force

after detensioning. Tendon surveillance performed under P.O. 00016055.

8. Tests Conducted: Hydrostatics: _____ Pneumatics: _____ Nominal Operating Pressure _____

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

FORM NIS-2 (Back)

9. Remarks: No welding required.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned EAM UA SP Davis, PE HBSS, Lead Civil Engineer Date 8/9 19 97
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 09/01/96 to 04/08/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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Arthur B. Blum
Inspectors Signature

Commissions

NB 8230 (N)(I)

National Board, State, Providence, and Endorsements

Date 4/9 19 97

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

1. Owner Florida Power & Light
Name

Date 04/09/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

9760 SW 344 Street, Florida City, Fl. 33035
Address

PWO #:63/2949 WO #: 97008380

3. Work Performed by Florida Power & Light
Name

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

P.O. Box 4332, Princeton, Fl. 33032
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

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

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
RELIEF VALVE	DRESSER INDUSTRIES	TH 18076	N/A	1 1/2" RELIEF VLV	UNK	Replaced	No
RELIEF VALVE	DRESSER INDUSTRIES	TH 18073	N/A	1 1/2" RELIEF VLV STK CODE 53514	UNK	Replacement	No

7. Description of Work: REPLACED RV-3-1424 FOR CCW TO "C" ECC.

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

Other VT-2 Pressure 75 psig Test Temperature 88 °F

FORM NIS-2 (Back)

9. Remarks: THIS IS A MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ N/A

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

Signed David J. Smith, Sr. System Engineering Manager Date April 14 19 97
 Owner or Owner's Designee, Title

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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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 04/06/97 to 04/09/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspector's Signature

Commissions NB 8230 (N)(I)
 National Board, State, Providence, and Endorsements

Date 4/15 19 97

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

1. Owner Florida Power & Light
Name

Date 04/14/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

PWO #:63/5765 WO #: 96005866

9760 SW 344 Street, Florida City, Fl. 33035
Address

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

3. Work Performed by Florida Power & Light
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

P.O. Box 4332, Princeton, Fl. 33032
Address

4. Identification of System: FEEDWATER System #: 74 Quality Group: B

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
STUDS (14)	N/A	N/A	N/A	FCV-3-498, UTC 407914 ASTM A-193	UNK	Replacement	No
NUTS (14)	N/A	N/A	N/A	FCV-3-498, UTC 408129 ASME SA-194	N/A	Replacement	No
BOLT (1)	N/A	N/A	N/A	FCV-3-498, UTC 397774 HEAVY HEX ASTM A193	N/A	Replacement	No

7. Description of Work: REPLACED FOURTEEN (14) STUDS AND NUTS AND ONE (1) BOLT ON FCV-3-498, S/G. "C"

MAIN FW FLOW CONTROL VALVE.

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

Other VT-1 Pressure N/A psig Test Temperature N/A °F

FORM NIS-2 (Back)

9. Remarks: THIS IS A MECHANICAL CONNECTION, NO WELDING REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ N/A _____

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

Signed [Signature] Sybil Engineering Manager Date April 15 19 97
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 03/13/96 to 04/10/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspectors Signature

Commissions NB 8230 (N)(I)
National Board, State, Providence, and Endorsements

Date 4/16 19 97

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

1. Owner Florida Power & Light
Name

700 Universe Blvd. Juno Beach Fl. 33408
Address

2. Plant Turkey Point Plant
Name

9760 SW 344 Street, Florida City, Fl. 33035
Address

3. Work Performed by Florida Power & Light
Name

P.O. Box 4332, Princeton, Fl. 33032
Address

Date 04/16/97

Sheet 1 of 2

Unit 3

PWO #:63/0472 WO #: 96026892

PCM #: 96-070

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: Primary Water Makeup System System #: 20 Quality Group: B

5. (a) Applicable Construction Code 831.1 1955 Edition, N/A Addenda, N/A Code Case

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

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp
CV-3-519A	N/A	N/A	N/A	5610-P-900S	UNK	Repaired	No

7. Description of Work: CUT/RE-WELD THE DOWNSTREAM PORTION OF CV-3-519A VERTICAL RUN.

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

Other VT-2 Pressure 220 psig Test Temperature 80 °F

FORM HIS-2 (Back)

9. Remarks:

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/AExpiration Date N/ASigned *David J. Fitzgerald* Date *April 26* 19*97*
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 10/09/96 to 04/16/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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David J. Fitzgerald
Inspectors Signature

Commissions

NB 8230 (H)(I)

National Board, State, Providence, and Endorsements

Date *4/28* 19*97**BIB*

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

1. Owner Florida Power & Light
Name

700 Universe Blvd. Juno Beach Fl. 33408
Address

2. Plant Turkey Point Plant
Name

9760 SW 344 Street, Florida City, Fl. 33035
Address

3. Work Performed by Florida Power & Light
Name

P.O. Box 4332, Princeton, Fl. 33032
Address

Date 06/04/97

Sheet 1 of 2

Unit 3
PWO #:63/8810 WO #: 96022773

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: COMPONENT COOLING WATER System #: 30 Quality Group: C

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

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
CCW HX VALVE	N/A	N/A	N/A	3-50-377 1-1/2" GATE UTC 407835, R62776	UNK	Replacement	No
STUDS (160)	N/A	N/A		UTC 409288	UNK	Replacement	No
STUDS (40)				UTC 409357			
BOLTS (40)	N/A	N/A		UTC 409330	UNK	Replacement	No
NUTS (320)	N/A	N/A		UTC 409358, ASTM A-194 HEAVY HEX	UNK	Replacement	No
NUTS (120)	N/A	N/A		UTC 409356, ASTM SA-194 HEAVY HEX	UNK	Replacement	No

7. Description of Work: REPLACE BOLTING ON 3E207A COMPONENT COOLING WATER HEAT EXCHANGER AND THE

REPLACEMENT OF VALVE 3-50-331.

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

Other VT-2 Pressure NOM psig Test Temperature NOM °F

FORM NIS-2 (Back)

9. Remarks: THIS IS A MECHANICAL CONNECTION, NO WELDING WAS REQUIRED.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/ACertificate of Authorization No. N/A Expiration Date N/ASigned Robert H. Zyl, System Engineering Manager Date June 12 1997
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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 04/15/97 to 06/04/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature [Signature]Commissions NB 8230 (N)(I)

National Board, State, Providence, and Endorsements

Date 6/5 1997

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

1. Owner Florida Power & Light
Name

Date 06/04/97

700 Universe Blvd. Juno Beach Fl. 33408
Address

Sheet 1 of 2

2. Plant Turkey Point Plant
Name

Unit 3

9760 SW 344 Street, Florida City, Fl. 33035
Address

PWO #:63/1859 WO #: 97002428 CR #: 97-0070

3. Work Performed by Florida Power & Light
Name

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

P.O. Box 4332, Princeton, Fl. 33032
Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System: COMPONENT COOLING WATER System #: 30 Quality Group: C

5. (a) Applicable Construction Code 831.1 1955 Edition, NA Addenda, N/A Code Case

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

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamp Yes/No
3E207A	WESTINGHOUSE	N/A	047	Component Cooling Water Heat Exchanger "A"	1968	Repaired	Yes

7. Description of Work: CUT 6" X 9" ACCESS HOLE FOR FOREIGN MATERIAL RETRACTION. CODE CASE N-416-1 HAS BEEN ENVOCKED FOR THIS REPAIR ACTIVITY.

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

Other VT-2 Pressure 100 psig Test Temperature 91 °F

FORM NIS-2 (Back)

9. Remarks: Code Case N416-1 was envoded for this repair activity. All welding was
performed in accordance with the FPL weld control manual.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ N/A _____

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

Signed *Samuel H. Pelt* *Syphon Engineering Manager* Date *June 12* *1997*
 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 and employed by Arkwright Mutual Insurance Company of Norwood, Ma. have inspected the components described in this Owners Report during the period 01/29/97 to 06/04/97 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

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

Samuel H. Pelt
 Inspectors Signature

Commissions NB 8230 (N)(I)
 National Board, State, Providence, and Endorsements

Date *6/5* 19 *97*

TURKEY POINT UNIT 3
1997 REFUELING OUTAGE

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



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

As required by the provisions of the ASME CODE RULES

EDDY CURRENT EXAMINATION RESULTS

PLANT : Turkey Point Unit 3

EXAMINATION DATE: MARCH 13, 1997 thru MARCH 19, 1997

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% & VOL			
3E210A	3197	5 _(u)	2	1	3	20
3E210B	3196	4 _(u)	7	2	9	27
3E210C	3181	13 _(u)	1	1	2	35

LOCATION OF INDICATIONS

(20% - 100% & VOL)

STEAM GENERATOR	AVB BARS	SUPPORT LOCATIONS 1 THROUGH 6		FREESPAN 6H thru 6C	TOP OF TUBE SHEET TO #1 SUPPORT		TOTAL INDICATIONS	
		COLD LEG	HOT LEG		C/L	H/L	20% - 39%	≥ 40% & VOL
3E210A	6 _(u)	0	0	1	0	1	6 _(u)	2
3E210B	7 _(u)	1	1	0	0	8 _(u)	7 _(u)	10 _(u)
3E210C	20 _(u)	0	0	0	0	1	20 _(u)	1

Remarks:

- (1) Mechanical wear damage at Anti-vibration Bars (AVB) was depth sized using qualified Bobbin Coil Sizing Technique.
- (2) Four tubes plugged due to Loose Part Damage.

DATE: 5/13/97 PREPARED BY: P. Montalbano
S/G EDDY CURRENT COORDINATOR

DATE: 5/13/97 REVIEWED BY: G. P. Allison
INSPECTIONS SUPERVISOR

DATE: 5/13/97 REVIEWED BY: P. Montalbano
S/G TECHNICAL SPECIALIST / H.L.B.

CUMULATIVE DISTRIBUTION SUMMARY
TURKEY POINT UNIT # 3
03/97

COMPONENT : S/G A

Page : 1
Date : 05/12/97

Examination Dates : 03/13/97 thru 03/19/97

Total Number of Tubes Inspected: 3197

Total Indications

Between 20% and 39%: 6 (1)

Greater than or equal to 40%: 0

Total Corrosion type Indications "VOL" 2

Total Tubes Plugged as Preventive Maint : 1

Total Tubes Plugged: 3

Location Of Indications 20% to 100% & "VOL"

Hot Leg

TSH -.5 to 01H -2.1 : 1
01H -2.0 to 06H +2.0 : 1
06H +2.1 to AV1 -3.1 : 0
AV1 -3.0 to AV4 -3.0 : 6 (1)

Cold Leg

TSC -.5 to 01C -2.1 : 0
01C -2.0 to 06C +2.0 : 0
06C +2.1 to AV4 -3.1 : 0



INDICATIONS/TRENDING REPORT

PTN-3

OUTAGE : 03/97

COMPONENT : S/G A

DESCRIPTION : ALL 40% to 100%, VOL & PTP INDICATIONS

Page : 1

Date : 5/12/97

Time : 10:00:00

			Extent					03/97							N/A				
Row	Col	Leg	***	Tst/Note	Reel	Probe	Location	Volts	Deg	Ch	%	Diff	Location	Volts	Deg	Ch	%		
13	5	H	CMR	BAHTSHPL	AH002	MRPC680-3C	TSH 3.8	1.4	119	1	PTP								
31	18	H		06H SC	AH039	MPRC720-3C	06H 1.1	1.0	64	1	VOL								
44	36	C			AH037	MPRC720-3C					PTP								
		C	CMR	TSH GY	AH037	MPRC720-3C	TSH .7	1.2	14	1	VOL								

Number of RECORDS Selected from Current Outage : 4

Number of TUBES Selected from Current Outage : 3

INDICATIONS/TRENDING REPORT

PTN-3

OUTAGE : 03/97

COMPONENT : S/G A

DESCRIPTION : ALL 20% TO 39% INDICATIONS

Page : 1

Date : 5/12/97

Time : 10:00:00

										03/97					N/A				
Row	Col	Leg	***	Extent	Tst/Note	Reel	Probe	Location		Volts	Deg	Ch	%	Diff	Location	Volts	Deg	Ch	%
33	41	C		TEH	PS	AC006	A-720-M/ULC	AV1	.0	.9	P 2	24							
		C		TEH	PS	AC006	A-720-M/ULC	AV3	.0	.9	P 2	25							
38	45	C		TEH	PS	AC007	A-720-M/ULC	AV2	.0	1.5	P 2	30							
37	47	C		TEH	PS	AC012	A-720-M/ULC	AV3	.0	.8	P 2	22							
30	52	H		TEC	PC	AH034	A-720-M/ULC	AV3	.0	.4	P 2	20							
28	59	H		TEC	PS	AH021	A-720-M/ULC	AV2	.0	.6	P 2	26							

Number of RECORDS Selected from Current Outage : 6

Number of TUBES Selected from Current Outage : 5

CUMULATIVE DISTRIBUTION SUMMARY
TURKEY POINT UNIT # 3
03/97

COMPONENT : S/G B

Page : 1
Date : 05/12/97

Examination Dates : 03/13/97 thru 03/19/97

Total Number of Tubes Inspected: 3196

Total Indications

Between 20% and 39%	7 (1)
Greater than or equal to 40%	1
Total Corrosion type Indications "VOL"	9 (2)
Total Tubes Plugged as Preventive Maint :	2
Total Tubes Plugged	9 (2)

Location Of Indications 20% to 100% & "VOL"

Hot Leg		Cold Leg	
TSH -.5 to 01H -2.1 :	8	TSC -.5 to 01C -2.1 :	0
01H -2.0 to 06H +2.0 :	1	01C -2.0 to 06C +2.0 :	1
06H +2.1 to AV1 -3.1 :	0	06C +2.1 to AV4 -3.1 :	0
AV1 -3.0 to AV4 -3.0 :	7 (1)		

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INDICATIONS/TRENDING REPORT

PTN-3

OUTAGE : 03/97

COMPONENT : S/G B

DESCRIPTION : ALL 40% to 100%, VOL & PTP INDICATIONS

Page : 1

Date : 5/12/97

Time : 10:00:00

			Extent						03/97							N/A				
Row	Col	Leg	***	Tst/Note	Reel	Probe	Location	Volts	Deg	Ch	%	Diff	Location	Volts	Deg	Ch	%			

37	20	H	CMR	TSH PL	BH002	MRPC680-3C	TSH .4	1.0	102	1	VOL									
42	38	H	CMR	01HTSHPL	BH004	MRPC680-3C	TSH 1.5	1.2	87	1	VOL									
39	39	C	CMR	05H PL	BH043	MRPC680-3C	05H .8	2.3	125	1	VOL									
44	40	C	CMR	TSH PL	BH043	MRPC680-3C	TSH .3	1.3	46	1	VOL									
		C	PIT	TSH PL	BH043	MRPC680-3C	TSH 1.8	.4	60	P1	82									
23	41	C	CMR	03C PC	BC031	MRPC680-3C	03C .5	.4	93	1	VOL									
44	41	C	CMR	TSH PL	BH043	MRPC680-3C	TSH .2	1.5	122	1	VOL									
		C	CMR	TSH PL	BH043	MRPC680-3C	TSH .4	1.1	90	1	VOL									
		C	CMR	TSH PL	BH043	MRPC680-3C	TSH .5	.9	83	1	VOL									
45	41	C	LPM	TEH PL	BC009	A-720-M/ULC	TSH .6				PTP									
45	42	C	LPM	TEH PL	BC009	A-720-M/ULC	TSH 1.3				PTP									
41	44	C	CMR	TEH GY	BH043	MRPC680-3C	TSH .6	.3	52	1	VOL									

Number of RECORDS Selected from Current Outage : 12

Number of TUBES Selected from Current Outage : 9



INDICATIONS/TRENDING REPORT

PTN-3

OUTAGE : 03/97

COMPONENT : S/G B

DESCRIPTION : ALL 20% TO 39% INDICATIONS

Page : 1

Date : 5/12/97

Time : 10:00:00

			Extent					03/97				N/A					
Row	Col	Leg	***	Tst/Note	Reel	Probe	Location	Volts	Deg	Ch	%	Diff	Location	Volts	Deg	Ch	%
32	34	C		TEH PS	BC019	A-720-M/ULC	AV1 .0	.7		P 2	23						
		C		TEH PS	BC019	A-720-M/ULC	AV3 -.1	1.3		P 2	31						
		C		TEH PS	BC019	A-720-M/ULC	AV4 -.2	.7		P 2	22						
34	46	C		TEH PC	BC009	A-720-M/ULC	AV2 .0	1.0		P 2	28						
		C		TEH PC	BC009	A-720-M/ULC	AV3 .0	1.5		P 2	35						
34	51	C		TEH PS	BC011	A-720-M/ULC	AV2 .0	1.2		P 2	29						
42	55	C		TEH PC	BC012	A-720-M/ULC	AV3 -.3	1.7		P 2	31						

Number of RECORDS Selected from Current Outage : 7

Number of TUBES Selected from Current Outage : 4

CUMULATIVE DISTRIBUTION SUMMARY
TURKEY POINT UNIT # 3
03/97

COMPONENT : S/G C

Page : 1
Date : 05/12/97

Examination Dates : 03/13/97 thru 03/19/97

Total Number of Tubes Inspected: 3181

Total Indications

Between 20% and 39%	20 (1)
Greater than or equal to 40%	1
Total Corrosion type Indications "VOL"	0

Total Tubes Plugged as Preventive Maint :	1
Total Tubes Plugged	2

Location Of Indications 20% to 100% & "VOL"

Hot Leg		Cold Leg	
TSH -.5 to 01H -2.1 :	1	TSC -.5 to 01C -2.1 :	0
01H -2.0 to 06H +2.0 :	0	01C -2.0 to 06C +2.0 :	0
06H +2.1 to AV1 -3.1 :	0	06C +2.1 to AV4 -3.1 :	0
AV1 -3.0 to AV4 -3.0 :	20 (1)		

INDICATIONS/TRENDING REPORT

PTN-3

OUTAGE : 03/97

COMPONENT : S/G.C

DESCRIPTION : ALL 40% to 100%, VOL & PTP INDICATIONS

Page : 1

Date : 5/12/97

Time : 10:00:00

			Extent				03/97								N/A		
Row	Col	Leg	***	Tst/Note	Reel	Probe	Location	Volts	Deg	Ch	%	Diff	Location	Volts	Deg	Ch	%

30	48	H		TEC PL	CH009	A-720-M/ULC	AV3	.0				PTP					
33	66	C	PIT	TSH PL	CH047	MRPC680-3C	TSH	.6	.4	103	P 1	58					

Number of RECORDS Selected from Current Outage : 2

Number of TUBES Selected from Current Outage : 2

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INDICATIONS/TRENDING REPORT

PTN-3

OUTAGE : 03/97

COMPONENT : S/G C

DESCRIPTION : ALL 20% TO 39% INDICATIONS

Page : 1

Date : 5/12/97

Time : 10:00:00

			Extent				03/97				N/A						
Row	Col	Leg	***	Tst/Note	Reel	Probe	Location	Volts	Deg	Ch	%	Diff	Location	Volts	Deg	Ch	%
30	17	H		TEC PS	CH006	A-720-M/ULC	AV1 .0	.5		P 2	20						
34	31	H		TEC PS	CH027	A-720-M/ULC	AV2 .0	.5		P 2	21						
		H		TEC PS	CH027	A-720-M/ULC	AV3 .0	.5		P 2	20						
43	33	H		TEC PS	CH026	A-720-M/ULC	AV3 .0	.4		P 2	22						
35	36	H		TEC PS	CH028	A-720-M/ULC	AV2 .0	.5		P 2	23						
34	41	H		TEC PS	CH029	A-720-M/ULC	AV1 .0	.6		P 2	22						
		H		TEC PS	CH029	A-720-M/ULC	AV3 .0	.6		P 2	22						
		H		TEC PS	CH029	A-720-M/ULC	AV4 .0	.7		P 2	24						
33	43	H		TEC PC	CH030	A-720-M/ULC	AV3 .0	.6		P 2	27						
35	43	H		TEC PC	CH030	A-720-M/ULC	AV2 .0	.8		P 2	21						
		H		TEC PC	CH030	A-720-M/ULC	AV3 .0	1.4		P 2	32						
		H		TEC PC	CH030	A-720-M/ULC	AV4 .0	.9		P 2	23						
35	44	H		TEC PC	CH030	A-720-M/ULC	AV2 .0	1.5		P 2	34						
		H		TEC PC	CH030	A-720-M/ULC	AV3 .0	1.6		P 2	35						
30	48	H		TEC	CH009	A-720-M/ULC	AV2 .0	1.1		P 2	32						
		H		TEC PC	CH009	A-720-M/ULC	AV3 .0	1.5		P 2	37						
35	49	C		TEH PS	CC009	A-720-M/ULC	AV4 .0	.6		P 2	25						
26	58	H		TEC	CH009	A-720-M/ULC	AV2 .0	.5		P 2	20						
30	61	H		TEC PS	CH009	A-720-M/ULC	AV2 .0	.5		P 2	20						
38	71	C		TEH PS	CC011	A-720-M/ULC	AV4 -.2	.6		P 2	23						

Number of RECORDS Selected from Current Outage : 20

Number of TUBES Selected from Current Outage : 13



TURKEY POINT UNIT 3
1997 REFUELING OUTAGE

Summary of Visual Examinations and Functional Testing of Snubbers

2



MECHANICAL SHOCK ARRESTOR
FINAL REPORT

TURKEY POINT
UNIT 3
1997
SPRING REFUELING OUTAGE

Commercial Service Date: December 14, 1972

Prepared By:

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

Originated by:

M. Campbell
M. Campbell

5/27/97
Date

Reviewed by:

A. Pauleuc
A. Pauleuc

5/27/97
Date

Approved by:

M. Blew
M. Blew

5/28/97
Date

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Mechanical shock arrestors (snubbers) were visually inspected/handstroked under purchase order B94536-40012 by Ratheon inspectors in accordance with the following plant procedures:

0-CMM-105.1

0-OSP-105.1

Implementing plant work orders were as follows:

PWO WO 96014408 - SNUBBER VISUAL/HANDSTROKE INSPECTION;

3-1032, 3-1033, 3-1034, 3-1035, 3-1036, 3-1037, 3-1038, 3-1039,
3-1041, 3-1043, 3-1044, 3-1045, 3-1046, 3-1048, 3-1050, 3-1051,
3-1052, 3-1054, 3-1057, 3-1058, 3-1060, 3-1069, 3-1070, 3-1071,
3-1072, 3-1073, 3-1074, 3-1075, 3-1077, 3-1078, 3-1079, 3-1080,
3-1081, 3-1082, 3-1083, 3-1091, 3-1092, 3-1093, 3-1094, 3-1095,
3-1096, 3-1099, 3-1100, 3-1101, 3-1102, 3-1103, 3-1104, 3-1105,
3-1106, 3-1110, 3-1111, 3-1112, 3-1121, 3-1136 & 3-1137

PWO WO 96014408 - VISUAL INSPECTION (NO HANDSTROKE) FOR
FUNCTIONAL TESTING;

3-1009, 3-1011, 3-1019, 3-1023, 3-1026, 3-1031, 3-1040, 3-1042,
3-1047, 3-1049, 3-1053, 3-1055, 3-1076, 3-1084, 3-1097, 3-1098
& 3-1120

PWO WO 96024188 - REPLACE LOAD PIN WITH LOAD STUD;

3-1007, 3-1008, 3-1009 & 3-1012

PWO WO 96024216 - REPLACE LOAD PIN WITH LOAD STUD;

3-1084

PWO WO 96016705 - DISLODGED BEARING & LOAD STUD REPLACEMENT;

3-1005, 3-1006 & 3-1010

PWO WO 97006613 - REMOVE SNUBBER 3-1009 / 3-MSHX-15 -
IMPLEMENTATION OF CR 97-399;

3-1005, 3-1006, 3-1009 & 3-1010

Mechanical shock arrestors (snubbers) were functionally tested under purchase order B95691-50102 by Basic - PSA personnel in accordance with the following plant/vendor procedures:

0-CMM-105.1

0-OSP-105.2

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Implementing plant work orders were as follows:

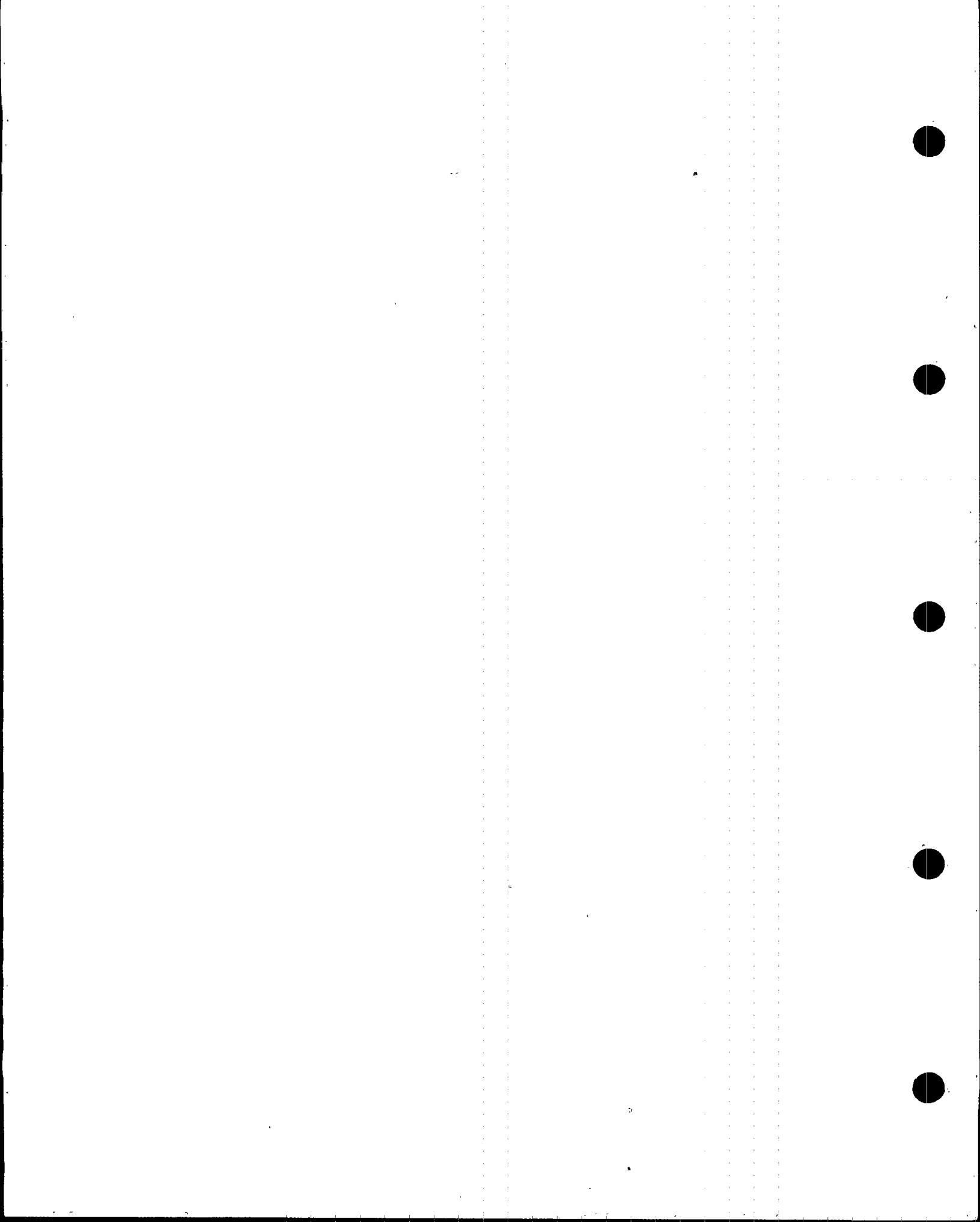
PWO WO 96024408 - FUNCTIONALLY TEST SNUBBERS LISTED BY ISI;

3-1009, 3-1011, 3-1019, 3-1023, 3-1026, 3-1031, 3-1040, 3-1042,
3-1047, 3-1049, 3-1053, 3-1055, 3-1076, 3-1084, 3-1097, 3-1098
& 3-1120

PWO WO 96024412 - REBUILD 10 SNUBBERS;

10172, 10174, 11110, 12377, 12392, 16232, 16238, 16242, 16252 &
16253

MECHANICAL SHOCK ARRESTOR
FINAL REPORT
SECTION I



Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

3-1005 10035 03/10/97 P 03/20/97 P 26.5000 P Visual inspection - sat, "L" diemsnion acceptable, handstroke - sat, replaced load pins with load studs per WO 96016705, lubricated load studs and spherical bearings on both ends with neolube - 24982-3.

Replaced snubber S/N 10035 with snubber S/N 10579 per CR 97-399. Snubber S/N 10035 was rebuilt under WO 97006613 by Basic-PSA and MRM back into stores.

A functional test was performed with the following acceptable results under WO 97006613 and CR 97-399:

Pre Rebuild - S/N 10035

	Tension	Compression	Criteria
Test 1)	164.88	74.26	2500.00
Test 2)	223.57	165.57	2500.00
Test 3)	0.001	0.012	0.02g's
Test 4)	182.49	149.63	2500.00

The Pre Rebuild functional test was performed at Engineering direction per CR 97-399.

Post Rebuild - S/N 10035

	Tension	Compression	Criteria
Test 1)	161.38	138.78	2500.00
Test 2)	232.46	452.13	2500.00
Test 3)	0.004	0.008	0.02g's
Test 4)	224.31	397.34	2500.00

The following parts were installed as part of the rebuild of snubber S/N 10035:

- (4) Drive Screws - 0015673-3
- (1) Clutch Spring - 0015346-1
- (1) Torque Carrier - 0015343-1
- (1) Capstan Spring - 0015729-1

Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

After rebuild and successful post rebuild functional test, snubber S/N 10035 was MRM back into stores.

3-1006 6521 03/08/97 P 03/20/97 P 26.7500 P Visual inspection - sat, "LM" dimension acceptable, handstroke - sat, lubricated spherical bearings and load studs on both ends.

Installed load studs in place of load pins per WO 96016705.

Replaced snubber S/N 6521 with snubber S/N 6494 per CR 97-399. Snubber 6521 was rebuilt under WO 97006613 by Basic PSA and MRM back into stores.

A functional test was performed with the following acceptable results under WO 97006613 and CR 97-399:

Pre Rebuild - S/N 6521

	Tension	Compression	Criteria
Test 1)	152.21	195.31	2500.00
Test 2)	131.37	224.07	2500.00
Test 3)	0.005	0.039	0.02g's
Test 4)	127.82	207.67	2500.00

This test was performed at Engineering direction per CR 97-399.

Post Rebuild - S/N 6521

	Tension	Compression	Criteria
Test 1)	250.32	172.07	2500.00
Test 2)	250.32	317.51	2500.00
Test 3)	0.002	0.007	0.02g's
Test 4)	234.70	291.81	2500.00

The following parts were used during the rebuild of snubber S/N 6521 under WO 97006613:

(4) Drive Screws - 0015673-3

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	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	12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Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

- (1) Inertia Mass - 0015344-1
- (1) Capstan Spring - 0015729-1
- (1) Thrust Bearing Assembly - 0215049-1

Upon rebuild and successful functional testing the snubber was MRM back into stores.

3-1007 4590 03/10/97 P / / 28.0000 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load studs on both ends with neolube - 24982-3 under WO 96016705.

Replaced load pins with load studs per WO 96016705.

3-1008 8084 03/08/97 P / / 27.7500 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load studs on both ends with neolube - 24982-3 under WO 96016705.

Replaced load pins with load studs per WO 96016705.

3-1009 1203 03/10/97 P 03/16/97 F 26.5000 P Visual inspection - sat, "L" dimension acceptable, no handstroke performed, snubber is part of the initial QR sample.

The snubber could not be unpinned. CR 97-399 was written for this snubber to determine the method of removal. A hydraulic ram was utilized to move the main steam pipe to facilitate snubber removal.

A functional test was performed with the following unacceptable results under WO 96024408:

Pre Rebuild - S/W 1203

	Tension	Compression	Criteria
Test 1)	7390.62	0.00	2500.00
Test 2)	7390.62	0.00	2500.00
Test 3)	0.00	0.00	0.02g's

Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

Test 4) 0.00 7836.54 2500.00

This QR snubber was tested as part of the initial sample. CR 97-399 was initiated for a QR functional test failure and per engineering disposition, snubbers 3-1005, 3-1006 and 3-1010 were functionally tested, no sample expansion is required for a QR failed snubber.

Snubber S/N 1203 was rebuilt with the following acceptable test results under WO 97006613 and CR 97-399:

Post Rebuild - S/N 1203

	Tension	Compression	Criteria
Test 1)	244.85	308.48	2500.00
Test 2)	244.85	707.74	2500.00
Test 3)	0.005	0.008	0.02g's
Test 4)	455.77	615.54	2500.00

The following parts were replaced during rebuild of snubber S/N 1203 under WO 97006613:

- (4) Drive Screws - 0015673-3
- (1) Inertia Mass - 0015344-1
- (1) Torque Carrier - 0015343-1
- (1) Capstan Spring - 0015729-1

Upon rebuild and successful functional testing the snubber was MRN back into stores.

Turkey Point
Outage Summary
Report
Unit 3/4

Tag	Serial	Inspection	A	Functional	A	"LM"	A
Number	Number	Date	T	Test	T	Dimension	T

Visual Summary

Functional Summary

3-1010 11931 03/08/97 P 03/14/97 P 25.5000 F Visual inspection - sat, "LM" dimension unacceptable, condition report 97-0398 was written to address the "LM" dimension which was .5000" under the minimum allowed. Snubber 3-1009 was found frozen and per condition report 97-399, Engineering directed that snubber 3-1010 be removed, functionally tested, disassembled for Engineering review. Upon disassembly of snubber 3-1010, Engineering directed that the subject snubber be rebuilt, as well as snubbers 3-1005 & 3-1006.

Replaced load pins with load studs (2) 0214245-3 per WO 96016705, lubricated load studs and spherical bearings with neolube - 024982-3. installed new nuts (8) 0209608-3, installed (4) spacer washers 197329-3 and torqued to 125 ft lbs, torque wrench B5188, cal due 03/30/97. Restaked spherical bearing.

A functional test was performed with the following acceptable results under WO 97006613 & CR97-399;

Pre rebuild - S/N 11931

	Tension	Compression	Criteria
Test 1)	105.93	286.57	2500.00
Test 2)	160.27	307.04	2500.00
Test 3)	0.002	0.014	0.02g's
Test 4)	148.42	228.47	2500.00

This test was performed at Engineering direction per CR 97-399 in place of snubber 3-1009.

Post Rebuild - S/N 11931

	Tension	Compression	Criteria
Test 1)	212.70	161.34	2500.00
Test 2)	388.96	245.62	2500.00
Test 3)	0.002	0.007	0.02g's
Test 4)	248.57	403.70	2500.00

The following parts were used during the rebuild of snubber S/N 11931 under WO 97006613:

- (4) Drive Screws - 0015673-3
- (1) Clutch Spring - 0015346-1
- (1) Capstan Spring - 0015729-1
- (1) Torque Carrier - 0015343-1
- (1) Thrust Bearing Assembly - 0215049-1

Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

After rebuild and successful functional testing, the snubber was MRN back into stores.

3-1011 12376 03/10/97 P 03/13/97 P 20.2500 P Visual inspection - sat. "L" dimension acceptable, no handstroke performed, lubricated spherical bearings and load pins with neolube - 24982-3 under WO 96024188.

A functional test was performed with the following acceptable results under WO 96024408;

Snubber S/N - 12376

	Tension	Compression	Criteria
Test 1)	99.74	56.18	750.00
Test 2)	138.07	53.35	750.00
Test 3)	0.004	0.004	0.02g's
Test 4)	146.98	51.57	750.00

This QR snubber was tested as part of the initial sample.

3-1012 8086 03/10/97 P / / 27.0000 P Visual inspection - sat, "L" dimension acceptable, Handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3.

Load pin on building attachment (rear bracket) was not replaced with a load stud due to a 2" horizontal pipe run 1" above the rear bracket, not enough room for the stud to fit and be double nutted per WO 96024188. Replaced 3 nuts on the component pipe clamp side.

3-1019 2889 03/14/97 P 03/14/97 P 17.2500 P Visual inspection sat, "L" dimension acceptable,

A functional test was performed with the following

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Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

no handstroke performed, lubricated spherical bearings and load studs.

No ID tag installed. Snubber was changed out with S/N 17425 due to unit 4 LCO. Work was performed under WO 96014408.

Functional Summary

acceptable results under WO 96024408:

Snubber S/N - 2889

	Tension	Compression	Criteria
Test 1)	29.92	13.06	300.00
Test 2)	30.87	22.91	300.00
Test 3)	0.007	0.017	0.02g's
Test 4)	25.00	27.36	300.00

This SR snubber was tested as part of the initial sample.

1023 23273 03/13/97 P 03/13/97 P 12.7500 P Visual inspection - sat, "L" dimension acceptable, no handstroke, lubricated spherical bearings and load studs with neolube - 24982-3 under WO 96014408.

A functional test was performed with the following acceptable results under WO 96024408;

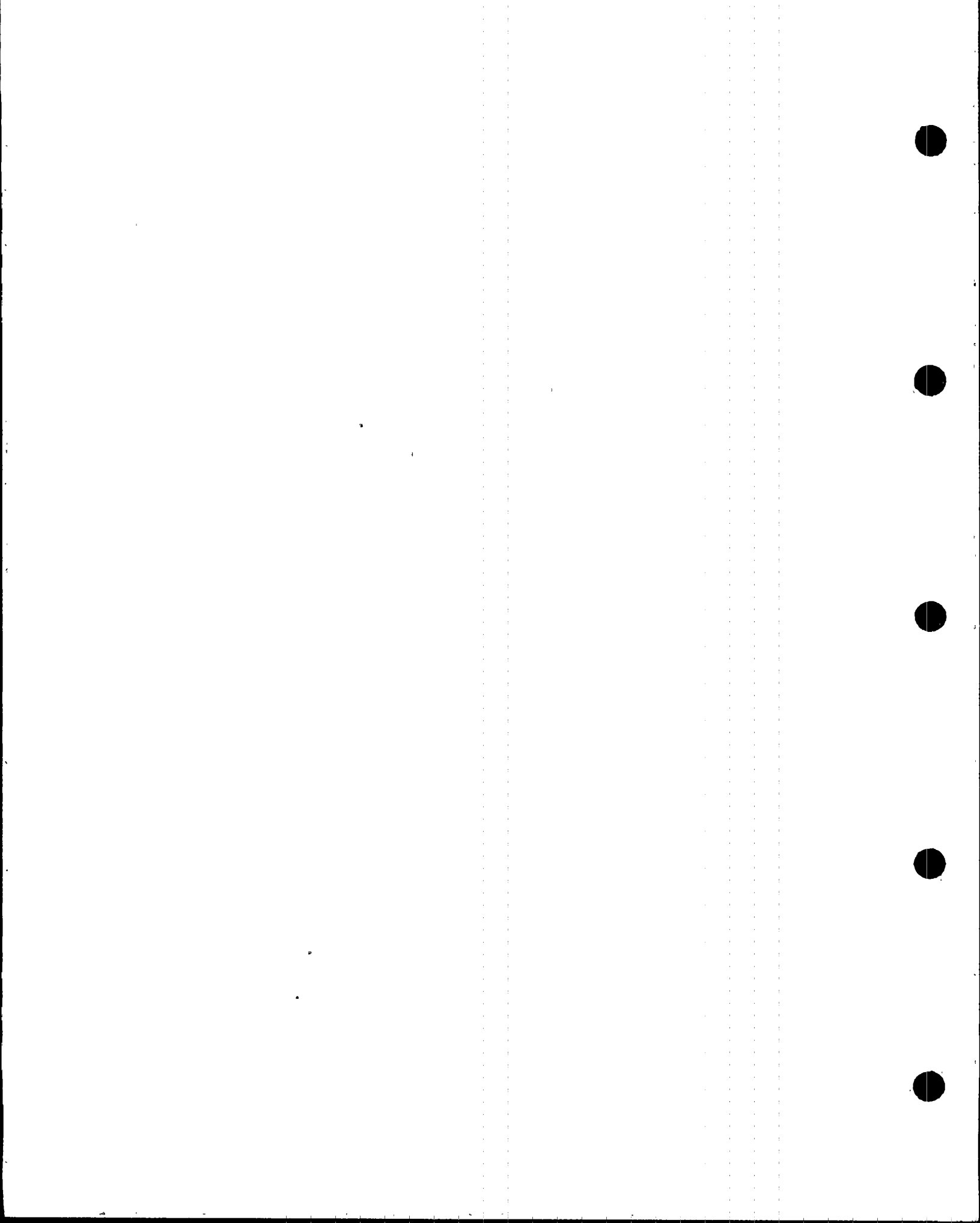
Snubber S/N - 23273

	Tension	Compression	Criteria
Test 1)	11.87	8.23	75.00
Test 2)	16.58	9.61	75.00
Test 3)	0.007	0.007	0.02g's
Test 4)	13.94	17.01	75.00

This SR snubber was tested as part of the initial sample.

1026 12394 03/13/97 P 03/13/97 P 19.5000 P Visual inspection - sat, "L" dimension acceptable,

A functional testing was performed with the following



Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

Torqued TTA bolts to 450 ft lbs - B-4706 - 07/07/97
Lock wired the TTA bolts.

acceptable results under WO 96024408:

Snubber S/N - 12394

	Tension	Compression	Criteria
Test 1)	57.58	37.52	750.00
Test 2)	71.83	39.95	750.00
Test 3)	0.014	0.009	0.02g's
Test 4)	68.12	60.49	750.00

This SR snubber was tested as a previous rebuild.

3-1031 27086 03/13/97 P 03/15/97 P 17.8750 P Visual inspection - sat, "L" dimension acceptable, no handstroke, lubricated spherical bearings and load pins with neolube - 24982-3 under WO 96014408.

No ID tag installed.

A functional test was performed with the following acceptable results under WO 96024408;

Snubber S/N - 27086

	Tension	Compression	Criteria
Test 1)	18.35	14.06	300.00
Test 2)	20.33	21.07	300.00
Test 3)	0.006	0.006	0.02g's
Test 4)	21.24	20.08	300.00

This SR snubber was tested as part of the initial sample.

3-1032 24410 03/12/97 P / / 14.0625 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and

"1.1".

Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

load pins on both ends with neolube - 24982-3 under
WO 96014408.

3-1033 19328 03/13/97 P / / 16.3750 P Visual inspection - sat, "L" dimension acceptable,
handstroke - sat, lubricated spherical bearings and
load pins on both ends with neolube - 24982-3 under
WO 96014408.

No ID tag installed.

3-1034 24429A 03/16/97 P / / 13.8750 P Visual inspection - sat, "L" dimension acceptable,
handstroke - sat, lubricated spherical bearings and
load pins on both ends with neolube - 24982-3 under
WO 96014408.

3-1035 19330 03/15/97 P / / 16.6250 P Visual inspection - sat, "L" dimension acceptable,
handstroke - sat, lubricated spherical bearings and
load pins on both ends with neolube - 24982-3 under
WO 96014408.

No ID tag installed.

3-1036 27100 03/15/97 P / / 16.3750 P Visual inspection - sat, "L" dimension acceptable,
handstroke - sat, lubricated spherical bearings and
load pins on both ends with neolube - 24982-3 under
WO 96014408.

No ID tag installed.

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Turkey Point
Outage Summary
Report
Unit 3/4

Tag	Serial	Visual	S	Date	S	S
Number	Number	Inspection	T	of	T	T
		Date	T	Test	T	Dimension

Visual Summary

Functional Summary

3-1037	11922	03/14/97	P	/	/	26.6250 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load studs on both ends with neolube - 24982-3 under WO 96014408.
3-1038	11934	03/14/97	P	/	/	26.7500 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.
3-1039	16241	03/14/97	P	/	/	20.0625 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.
3-1040	16239	03/13/97	P	03/15/97	P	20.5000 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

A functional test was performed with the following acceptable results under WO 96024408;

Snubber S/N - 16329

	Tension	Compression	Criteria
Test 1)	73.67	79.67	750.00
Test 2)	113.91	52.08	750.00
Test 3)	0.012	0.010	0.02g's
Test 4)	122.59	202.88	750.00

This SR snubber was tested as a previous rebuild.

Turkey Point
Outage Summary
Report
Unit 3/4

Tag	Serial	Visual	Inspection	S	Date	S	of	T	1	T	S
Number	Number	Date	T	Test	T	Dimension	T	"L"	A		

Visual Summary

Functional Summary

3-1041 16234 03/11/97 P / / 20.3750 P Visual inspection - sat, "L" dimension acceptable, handstroke sat, light rust on spherical bearings and load pins on both ends. Cleaned spherical bearings and load pins with scotch bright and lubricated spherical bearings and load pins on both ends with neolube 24982-3 under WO 96014408.

Installed black ID tag to snubber TTA.

3-1042 12365 03/12/97 P 03/15/97 P 20.7500 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

No ID tag installed.

A functional test was performed with the following acceptable results under WO 96024408;

Snubber S/W - 12365

	Tension	Compression	Criteria
Test 1)	158.38	59.09	750.00
Test 2)	162.40	120.08	750.00
Test 3)	0.009	0.002	0.02g's
Test 4)	358.28	146.08	750.00

This SR snubber was tested as a previous rebuild.

3-1043 17899 03/14/97 P / / 22.2500 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load studs on both ends with neolube - 24982-3 under WO 96014408.

Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

-1044 17900 03/14/97 P / / 21.5000 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load studs on both ends with neolube - 24982-3 under WO 96014408.

-1045 17189 03/14/97 P / / 21.5000 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load studs on both ends with neolube - 24982-3 under WO 96014408.

-1046 17903 03/14/97 P / / 20.7500 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load studs on both ends with neolube - 24982-3 under WO 96014408.

-1047 17902 03/14/97 P 03/15/97 P 20.5000 P Visual inspection - sat, "L" dimension acceptable, no handstroke performed (initial sample), lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

A functional test was performed with the following acceptable results under WO 96024408;

Snubber S/N - 17902

Drilled load pin per STD-C-011 for installation of cotter pin (0029146-3) installed lock wire on TTA bolts and torqued to 450 in lbs, B-4701 - Cal Due Date: 07/07/97.

	Tension	Compression	Criteria
Test 1)	60.77	19.34	750.00
Test 2)	100.32	26.59	750.00
Test 3)	0.007	0.002	0.02g's
Test 4)	87.42	115.18	750.00

This SR snubber was tested as part of the initial sample.

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Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

3-1048 17904 03/14/97 P / / 19.5000 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

3-1049 16245 03/14/97 P 03/15/97 P 20.5000 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

A functional test was performed with the following acceptable results under WO 96024408;

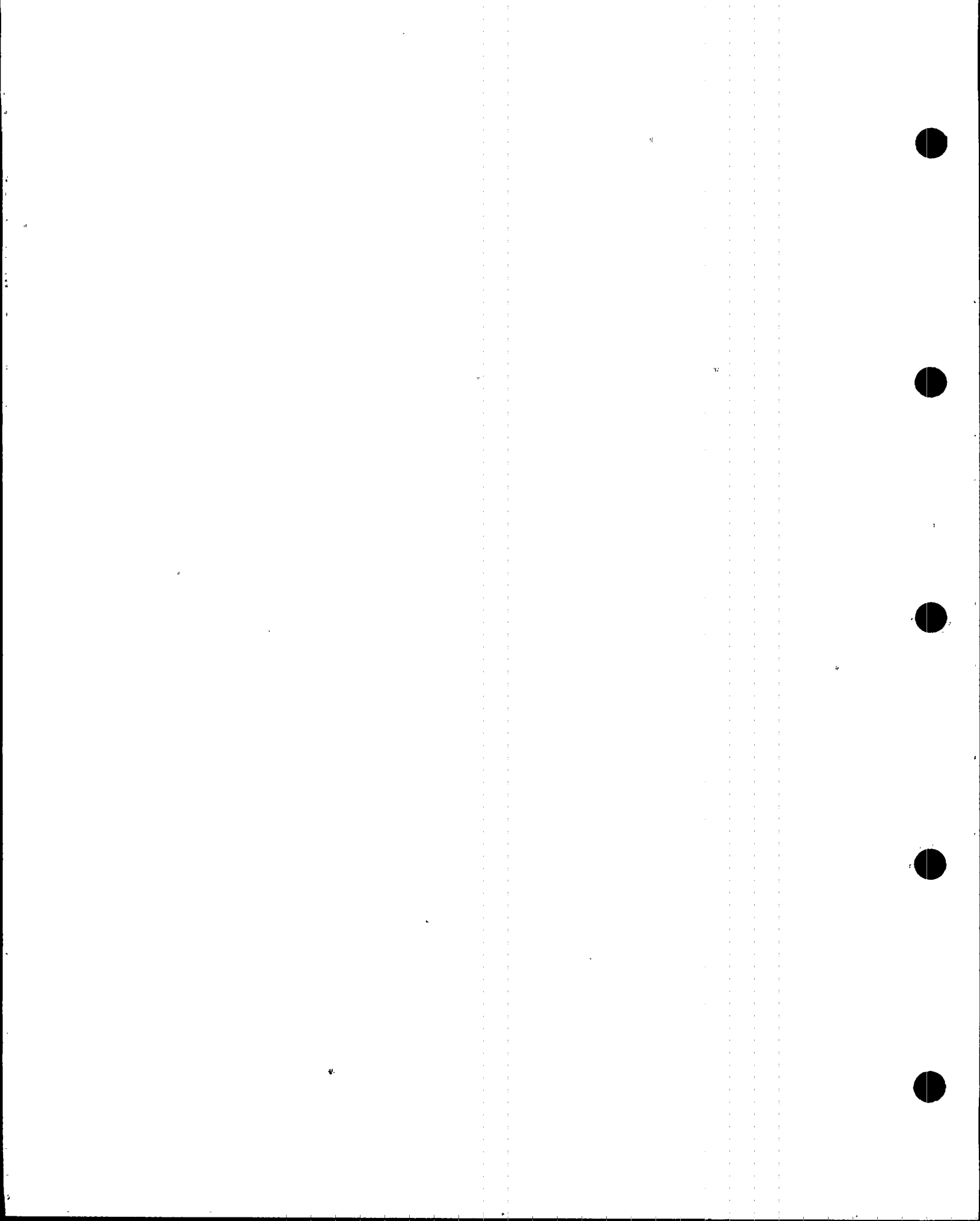
Snubber S/N - 16245

	Tension	Compression	Criteria
Test 1)	79.24	50.53	300.00
Test 2)	128.31	166.94	300.00
Test 3)	0.013	0.007	0.02g's
Test 4)	125.92	151.03	300.00

This SR snubber was tested as a previous rebuild.

3-1050 17906 03/14/97 P / / 22.0000 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load studs on both ends with neolube - 24982-3 under WO 96014408.

3-1051 16249 03/12/97 P / / 21.5000 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.



Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

3-1052 16233 03/12/97 P / / 21.7500 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

No ID tag installed.

3-1053 2462 03/14/97 P 03/15/97 P 20.0000 P Visual inspection - sat, "L" dimension acceptable, no handstroke (previous rebuild), lubricated spherical bearings and load studs on both ends with neolube - 24982-3 under WO 96014408.

A functional test was performed with the following acceptable results under WO 96024408;

Snubber S/N - 2462

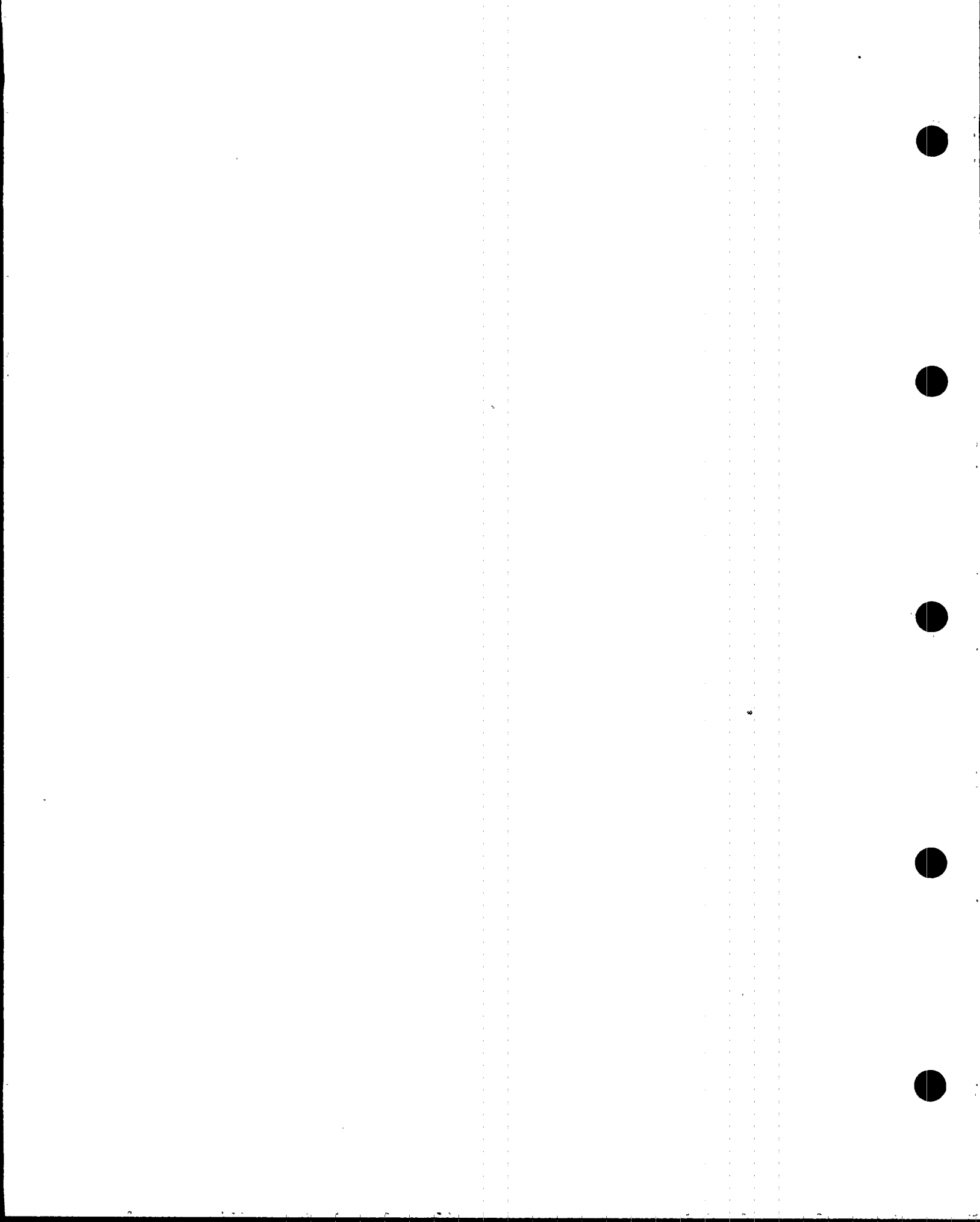
	Tension	Compression	Criteria
Test 1)	32.11	56.25	750.00
Test 2)	68.78	77.39	750.00
Test 3)	0.010	0.010	0.02g's
Test 4)	106.53	90.31	750.00

This QR snubber was tested as a previous rebuild.

3-1054 16248 03/12/97 P / / 20.2500 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

3-1055 13697 03/14/97 P 03/15/97 P 20.7500 P Visual inspection - sat, "L" dimension acceptable, no handstroke (initial sample), lubricated spherical bearings and load studs on both ends

A functional test was performed with the following acceptable results under WO 96024408;



Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

with neolube - 24982-3 under WO 96014408.

Snubber S/W - 13697

	Tension	Compression	Criteria
Test 1)	69.00	62.64	750.00
Test 2)	88.54	85.69	750.00
Test 3)	0.012	0.013	0.02g's
Test 4)	87.91	85.73	750.00

This QR snubber was tested as part of the initial sample.

3-1057	27106	03/15/97	P	/	/	16.2500 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.
3-1058	27102	03/16/97	P	/	/	16.2500 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load studs on both ends with neolube - 24982-3 under WO 96014408.
3-1060	19329	03/14/97	P	/	/	18.5000 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load studs on both ends with neolube - 24982-3 under WO 96014408.
3-1069	27072	03/13/97	P	/	/	16.7500 P Visual inspection - sat, "L" dimension acceptable,

"111"

Turkey Point
Outage Summary
Report
Unit 3/4

Tag	Serial	Visual	Inspection	A	Date	S	of	T	1	S	"L"	A
Number	Number	Date	T	Test	T	Dimension	T					

Visual Summary

Functional Summary

handstroke - sat, lubricated spherical bearings and load studs on both ends with neolube - 24982-3 under WO 96014408.

Condition report 97-398 was written to address boric acid on the snubber. The inspector found no boric acid when the snubber was inspected. Condition report 97-398 directed that herculite be put over the snubber before reload and removed prior to startup. The herculite was removed on 03/29/97.

3-1070 27079 03/13/97 P / / 17.6250 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

3-1071 27069 03/13/97 P / / 15.8125 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

No ID tag installed. Load pin was mushroomed, filed pin for reinstallation in accordance with STD-C-011.

3-1072 27073 03/15/97 P / / 16.0625 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

No ID tag installed. Removed paint and rust on housing and indicator tube with scotch brite.

3-1073 27090 03/15/97 P / / 17.0000 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

3-1074 27104 03/15/97 P / / 17.7500 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load studs on both ends with neolube - 24982-3 under WO 96014408.

3-1075 18074 03/15/97 P / / 8.1250 F Visual inspection - sat, "L" dimension unacceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

CR 97-0478 was issued for rusted rear plate and "L" dimension below minimum by .25". WO 97006948 was implemented to correct the conditions.

3-1076 19725 03/13/97 P 03/15/97 P 17.5000 P Visual inspection - sat, "L" dimension acceptable, no handstroke (initial sample), lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

A functional test was performed with the following acceptable results under WO 96024408;

Snubber S/N - 19725

Tension Compression Criteria

Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

Test 1)	16.44	32.15	300.00
Test 2)	16.79	32.21	300.00
Test 3)	0.012	0.009	0.02g's
Test 4)	17.19	31.28	300.00

This QR snubber was tested as part of the initial sample.

- 3-1077 16230 03/13/97 P / /

20.2500 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

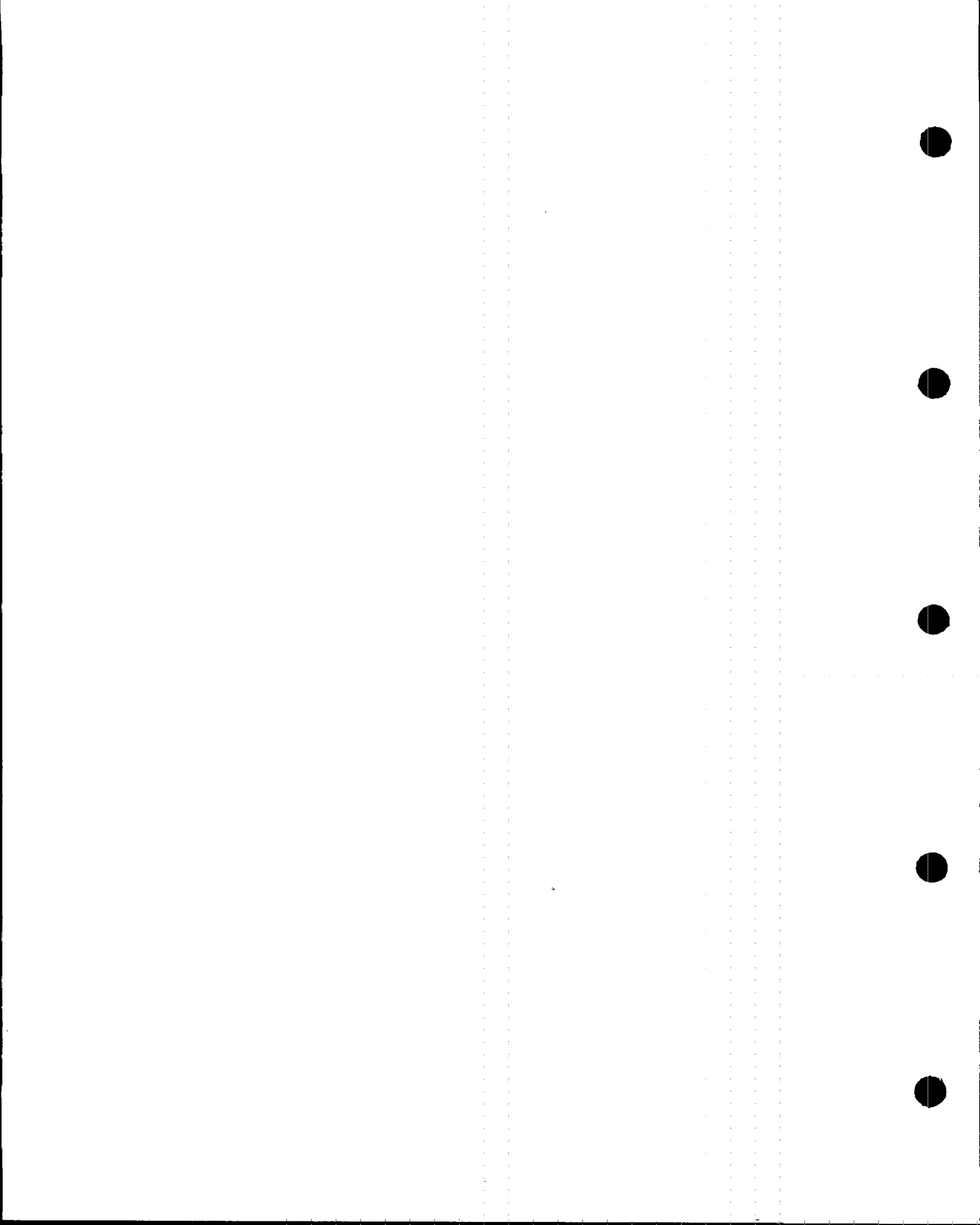
Installed black ID tag on TTA end.
- 3-1078 16244 03/12/97 P / /

20.5000 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.
- 3-1079 10176 03/12/97 P / /

22.0000 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.
- 3-1080 12396 03/11/97 P / /

21.2500 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and

11-11



Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

load pins on both ends with neolube - 24982-3 under
WO 96014408.

3-1081 11921 03/12/97 P / / 25.5000 P Visual inspection - sat, "L" dimension acceptable,
handstroke - sat, lubricated spherical bearings and
load pins on both ends with neolube - 24982-3 under
WO 96014408.

No ID tag installed.

Replaced 1 spacer washer - 0197329-3
Replaced 1 cotter pin - 0029146-3

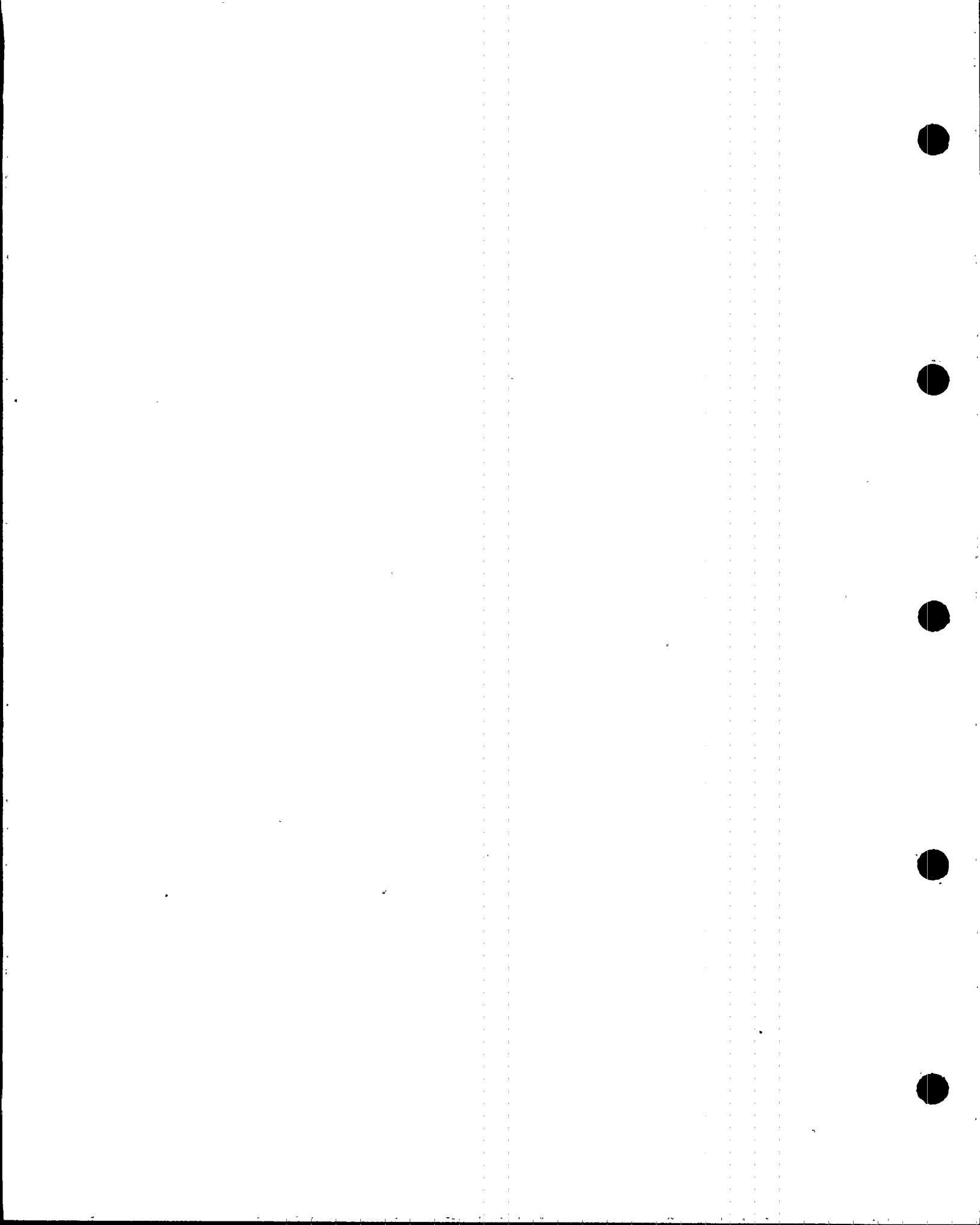
3-1082 11932 03/12/97 P / / 26.5000 P Visual inspection - sat, "L" dimension acceptable,
handstroke - sat, lubricated spherical bearings and
load pins on both ends with neolube - 24982-3 under
WO 96014408.

No ID tag installed.

3-1083 11925 03/15/97 P / / 25.1250 P Visual inspection - sat, "L" dimension acceptable,
handstroke - sat, lubricated spherical bearings and
load pins on both ends with neolube - 24982-3 under
WO 96014408.

3-1084 7000 03/14/97 P 03/16/97 P 24.7500 P Visual inspection - sat, "L" dimension acceptable,
no handstroke (initial sample), lubricated
spherical bearings and load pins on both ends

A functional test was performed with the following
acceptable results under WO 96024408;



Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

with neolube 24982-3 under WO 96024216.

No ID tag installed. Installed 4 spacer washers - 197329-3, installed new load stud - 15329-1 and 4 nuts - 209608-3 and torqued to 125 ft lbs on snubber end under WO 96024216.

Snubber S/N - 7000

	Tension	Compression	Criteria
Test 1)	504.13	154.54	2500.00
Test 2)	504.13	407.02	2500.00
Test 3)	0.002	0.009	0.02g's
Test 4)	217.05	225.69	2500.00

This SR snubber was tested as part of the initial sample.

3-1091 27087 03/13/97 P / / 19.0000 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

3-1092 27105 03/13/97 P / / 18.0000 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

No ID tag installed.

3-1093 27091 03/15/97 P / / 18.1250 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load studs on both ends with neolube - 24982-3 under WO 96014408.

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Turkey Point
Outage Summary
Report
Unit 3/4

Tag	Serial	Visual	Inspection	A	Functional	A	"L"	A	Visual Summary	Functional Summary
Number	Number	Date	T	Test	T	Dimension	T			
3-1094	4388	03/16/97	P	/	/	15.2500	P	Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.		
3-1095	16733	03/14/97	P	/	/	8.5000	P	Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.		
3-1096	11993	03/18/97	P	/	/	8.5000	F	Visual inspection - sat, "L" dimension unacceptable, condition report 97-531 written to address the "L" dimension which is -.3750" below minimum, handstroke - sat, lubricated spherical bearings and load studs on both ends with neolube - 24982-3 under WO 96014408. Snubber 3-1096 was swapped with tag 3-1097 from a previous installation. Reinstalled in the correct tag location.		
3-1097	16724	03/13/97	P	03/15/97	P	9.0000	P	Visual inspection - sat, "L" dimension acceptable, no handstroke, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408. Snubber was previously installed in the sister (3-1096) location. Reinstalled in the proper location.	A functional test was performed with the following acceptable results under WO 96024408; Snubber S/N - 16724	Tension Compression Criteria

Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

Test 1)	1.98	2.63	32.50
Test 2)	3.28	3.76	32.50
Test 3)	0.010	0.011	0.02g's
Test 4)	3.03	3.75	32.50

This SR snubber was tested as part of the initial sample.

3-1098 33628 03/16/97 P 03/15/97 P 10.3750 P Visual inspection - sat, "L" dimension acceptable, no handstroke (initial sample), lubricated spherical bearings and load pins with neolube - 24982-3 on building end only under WO 96014408.

No ID tag installed.

A functional test was performed with the following acceptable results under WO 96024408;

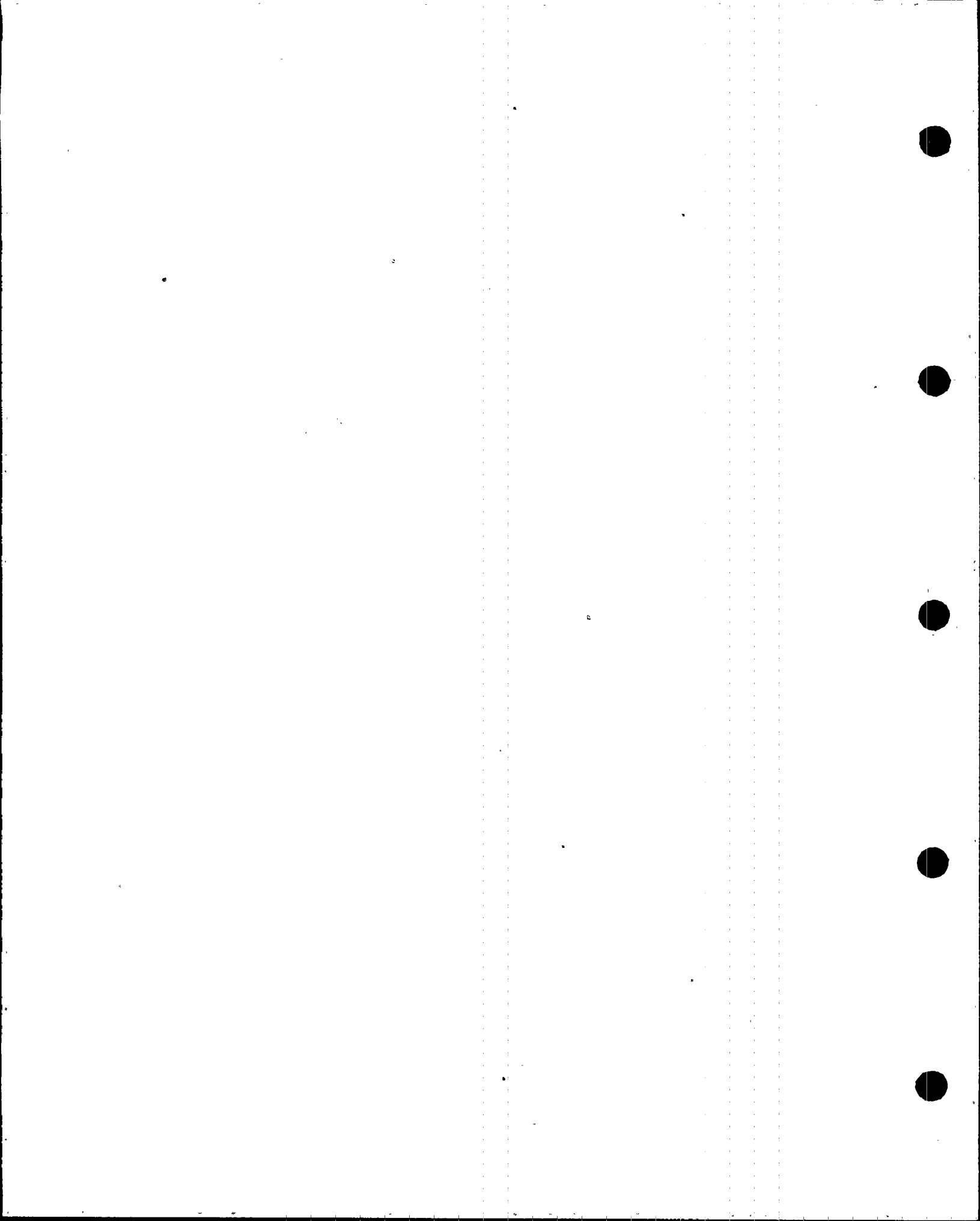
Snubber S/N - 33628

	Tension	Compression	Criteria
Test 1)	2.10	5.21	17.50
Test 2)	4.80	5.21	17.50
Test 3)	0.011	0.010	0.02g's
Test 4)	6.52	8.60	17.50

This SR snubber was tested as part of the initial sample.

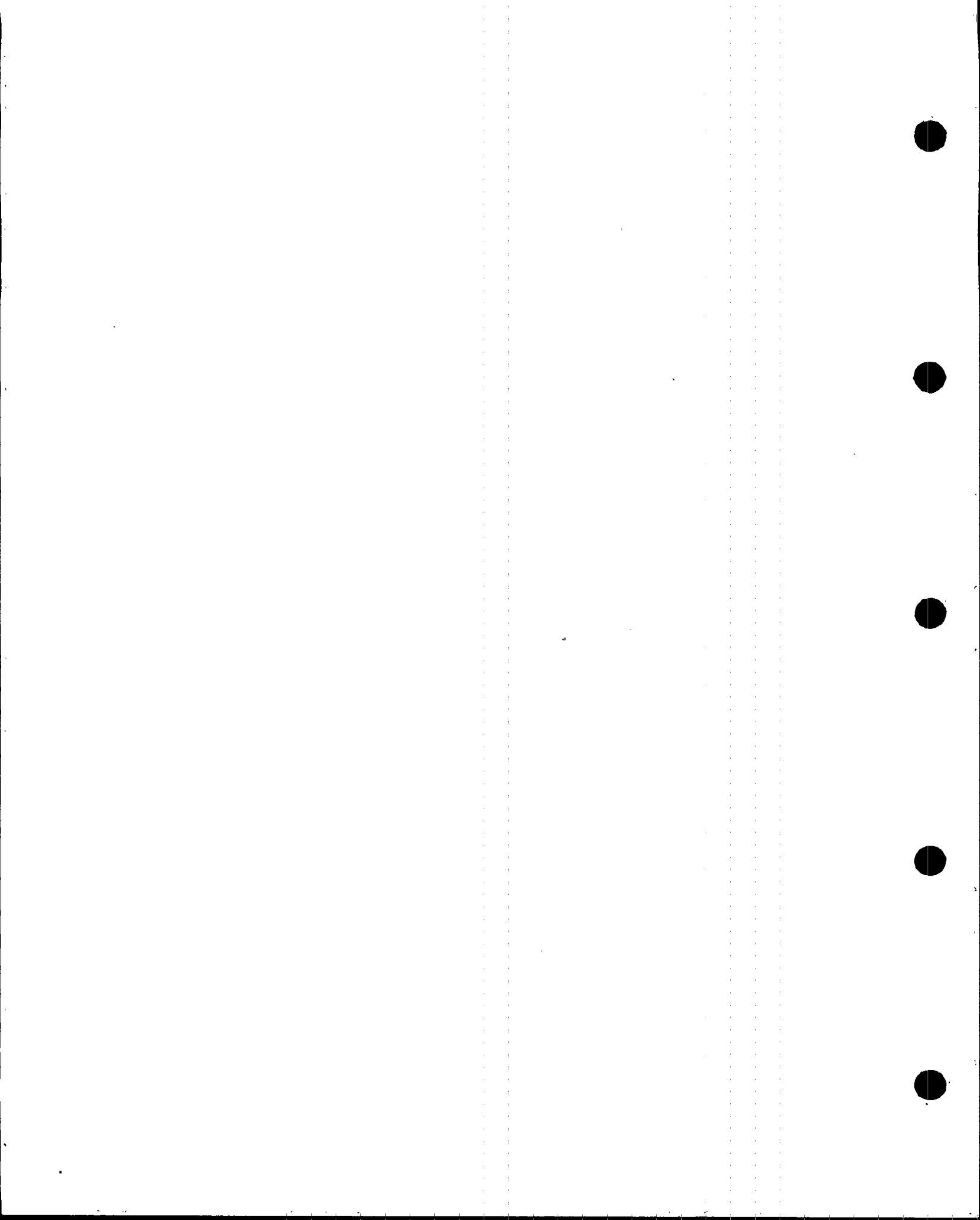
3-1099 38481 03/16/97 P / / 11.7500 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

No ID tag installed.



Turkey Point
Outage Summary
Report
Unit 3/4

Tag	Serial	Inspection	A	Functional	A	"L" A	
Number	Number	Date	T	Test	T	Dimension	T
Visual Summary							Functional Summary
3-1100	17819	03/16/97	P	/	/	8.3125	P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408. No ID tag installed.
3-1101	33626	03/16/97	P	/	/	11.5625	P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408. No ID tag installed.
3-1102	29451	03/16/97	P	/	/	11.2500	P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408. No ID tag installed.
3-1103	11996	03/17/97	P	/	/	8.5000	P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.
3-1104	24412	03/17/97	P	/	/	13.5000	P Visual inspection - sat, "L" dimension acceptable,



Turkey Point
Outage Summary
Report
Unit 3/4

Tag	Serial	Visual	Inspection	A	Functional	A	"L"	A	Visual Summary	Functional Summary
Number	Number	Date	T	Test	T	Dimension	T			
3-1105	16134	03/15/97	P	/	/	13.1250	P	Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on component end due to piping and scaffold limitations on building end with neolube - 24982-3 under WO 96014408.		
								No ID tag installed.		
3-1106	38479	03/15/97	P	/	/	11.3125	P	Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.		
								No ID tag installed.		
3-1110	16136	03/15/97	P	/	/	12.7500	P	Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.		
								No ID tag installed.		
3-1111	2875	03/15/97	P	/	/	17.0000	P	Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and		

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Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

load studs on both ends with neolube - 24982-3 under
WO 96014408.

3-1112 27083 03/16/97 P / / 16.2500 P Visual inspection - sat, "L" dimension acceptable,
handstroke - sat, lubricated spherical bearings and
load pins on both ends with neolube - 24982-3 under
WO 96014408.

3-1120 18325 03/16/97 P 03/15/97 P 8.6250 P Visual inspection - sat, "L" dimension acceptable,
no handstroke (initial sample), lubricated spherical
bearings and load pins on both ends with neolube
24982-3 under WO 96014408.

No ID tag installed.

A functional test was performed with the following
acceptable results under WO 96024408;

Snubber S/N - 18325

	Tension	Compression	Criteria
Test 1)	5.91	11.90	32.50
Test 2)	8.31	23.94	32.50
Test 3)	0.017	0.015	0.02g's
Test 4)	8.07	5.54	32.50

This SR snubber was tested as part of the initial
sample.

3-1121 24430 03/16/97 P / / 12.7500 P Visual inspection - sat, "L" dimension acceptable,
handstroke - sat, lubricated spherical bearings and
load pins on both ends with neolube - 24982-3 under
WO 96014408.



Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

No ID tag installed.

3-1136 19884 03/16/97 P / / 9.0000 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

3-1137 19885 03/15/97 P / / 9.0000 P Visual inspection - sat, "L" dimension acceptable, handstroke - sat, lubricated spherical bearings and load pins on both ends with neolube - 24982-3 under WO 96014408.

3-1005 10579 03/21/97 P 03/20/97 P 26.5000 P Visual inspection - sat, "L" dimension acceptable, no handstroke, lubricated spherical bearings and load studs on both ends with neolube - 24982-3 under WO 97006613.

Snubber S/N 10579 is a replacement per CR 97-399. Snubber S/N 10035 was rebuilt under WO 97006613 and MRN back into stores.

A functional test was performed with the following acceptable results under WO 97006613:

Snubber S/N 10579

	Tension	Compression	Criteria
Test 1)	93.16	56.95	2500.00
Test 2)	171.37	92.16	2500.00
Test 3)	0.005	0.007	0.02g's
Test 4)	153.93	135.11	2500.00

This QR snubber was tested as a replacement snubber.

3-1006 6494 03/21/97 P 03/20/97 P 26.7500 P Snubber S/N 6494 is the replacement snubber for snubber S/N 6521 per CR 97-399. Load studs and spherical bearings were lubricated with neolube 24982-3 under WO 97006613.

A functional test was performed with the following acceptable results under WO 97006613 and CR 97-399:

1111

Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

Installed 2 square washers 30263-3 and 8 spacer washers 197329-3.

Snubber S/N - 6494

	Tension	Compression	Criteria
Test 1)	132.16	65.10	2500.00
Test 2)	190.20	102.84	2500.00
Test 3)	0.016	0.020	0.02g's
Test 4)	220.84	87.87	2500.00

This test was performed as a replacement test.

A functional test was performed with the following acceptable results;

	Tension	Compression	Criteria
Test 1)	41.56	128.27	2500.00
Test 2)	90.30	146.42	2500.00
Test 3)	0.006	0.008	0.02g's
Test 4)	86.96	115.11	2500.00

This functional test was performed on snubber 10542 which is a replacement snubber for snubber 1203.

3-1009 10542 03/17/97 P 03/14/97 P 26.8750 P Snubber S/N 10542 is a replacement snubber for snubber S/N 1203. The as left inspection was sat. under WO 97024188.

Load studs and spherical bearings were lubricated with neolube 24982-3.

3-1010 6530 03/21/97 P 03/20/97 P 26.5000 P An as-left visual inspection was performed under WO 97006613 on replacement snubber 6530. Visual inspection was sat. Snubber 11931 was taken to the Basic-PSA trailer for tear down, Engineering inspection and subsequent rebuild. The rebuilt snubber tested sat and was MRM into stores.

A functional test was performed with the following acceptable results under WO 97006613 and CR 97-399:

	Tension	Compression	Criteria
Test 1)	132.54	90.78	2500.00
Test 2)	198.87	119.78	2500.00

Turkey Point
Outage Summary
Report
Unit 3/4

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

Visual Summary

Functional Summary

Test 3)	0.004	0.008	0.02g's
Test 4)	220.20	104.52	2500.00

This test was performed as a replacement test.

3-1019 17425 03/14/97 P 03/14/97 P 17.2500 P Visual inspection - sat, "L" dimension acceptable, no handstroke performed, lubricated spherical bearings and load pins with neolube - 24982-3 under WO 96014408.

Snubber S/N 2889 was changed out with snubber S/N 19425 due to a LCO condition on unit 4.

A functional test was performed with the following acceptable results under WO 96024408;

Snubber S/N - 17425

	Tension	Compresion	Criteria
Test 1)	29.92	13.06	300.00
Test 2)	30.87	22.91	300.00
Test 3)	0.007	0.017	0.02g's
Test 4)	25.00	27.36	300.00

This SR snubber was tested as as a replacement for snubber S/N 2889 due to a LCO on unit 4.

TURKEY POINT UNIT 3
1997 REFUELING OUTAGE

Summary of Inservice Inspection Examinations



Date: 06/13/97

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, SECOND PERIOD, FIRST OUTAGE (97RF)
Class 1 CBEAR STATUS Components

Page: 1

REACTOR PRESSURE VESSEL

Zone Number: 3-001

ASME

N I O

SEC. XI

S O N G T

Summary Examination Area
Number Identification

Catgy Exam

T R S E H

Item No Method

Procedure

A E I O E

Remarks

T C G H R

** Calibration Block **

REF. DWG. NO. 5613-M-4000

003200 VESSEL TO CLOSURE HEAD MATING
SURFACE ON HEAD

B-N-1 VT-3
B13.10

NDE 4.3-28

X - - -

03/22/97 - VT-3 complete, examination
performed with remote camera

Date: 06/13/97

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, SECOND PERIOD, FIRST OUTAGE (97RF)
Class 1 CBEAR STATUS Components

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REACTOR COOLANT PUMP B

Zone Number: 3-057

ASME

SEC. XI

Summary Examination Area
Number Identification

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 M R

Remarks

** Calibration Block **

202700 3-RCP-B-FLYWHEEL
Flywheel

RG 1.14UT

NDE 5.15-1

X - - -

03/27/97 - UT complete, examined from
the periphery surface, examinations
performed in accordance with Technical
Specifications
** FLYWHEEL **



Re: 06/13/97

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, SECOND PERIOD, FIRST OUTAGE (97RF)
Class 2 CBEAR STATUS Components

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RESIDUAL HEAT REMOVAL TO RESID. HEAT REMOVAL PUMP A

Zone Number: 3-063		ASME:		N I O		S O N G T		Remarks
		SEC. XI				T R S E H		
Summary Examination Area		Catgy Exam				A E I O E		
Number	Identification	Item No	Method	Procedure		T C G H R		

REF. DWG. NO. 5613-P-600-S SH. 1								
214900	SR-252 SPRING HANGER	F-A F1.20C	VT-3	NDE 4.3-9		X - - -		03/12/97 - VT-3 complete, light rust found inside of spring can
215000	14"-RHR-2301-9 PIPE TO ELBOW	C-F-1 C5.11	PT UT 45 UT 60 UT 70	NDE 3.3-20 NDE 5.4-2		X - - - X - - - - - X - - - X -		3/12/97 - PT complete, two acceptable round indications, 3/14/97 - UT complete, root geometry, limited volumetric examination from the elbow side due to its configuration, limited examination from the pipe side due to support interference ** UT-33 **
215050	14"-RHR-2301-9LDI LONG SEAM DOWNSTREAM INSIDE RADIUS	C-F-1 C5.12	PT UT 45	NDE 3.3-20 NDE 5.4-2		X - - - - - X -		3/12/97 - PT complete, 3/14/97 - UT complete, beam redirection due to dendretics, inside surface geometry ** UT-33 **
215100	14"-RHR-2301-9LDO LONG SEAM DOWNSTREAM OUTSIDE RADIUS	C-F-1 C5.12	PT UT 45	NDE 3.3-20 NDE 5.4-2		X - - - - - X -		3/12/97 - PT complete, 3/14/97 - UT complete, beam redirection due to dendretics, inside surface geometry ** UT-33 **
215180	14"-RHR-2301-10LUI LONG SEAM UPSTREAM INSIDE RADIUS	C-F-1 C5.12	PT UT 45	NDE 3.3-1 NDE 5.4-2		X - - - - - X -		03/12/97 - PT complete, 3/14/97 - UT complete, beam redirection due to dendretics, inside surface geometry ** UT-33 **
215190	14"-RHR-2301-10LUO LONG SEAM UPSTREAM OUTSIDE RADIUS	C-F-1 C5.12	PT UT 45	NDE 3.3-1 NDE 5.4-2		X - - - - - X -		03/13/97 - PT complete, 3/14/97 - UT complete, beam redirection due to dendretics, inside surface geometry ** UT-33 **



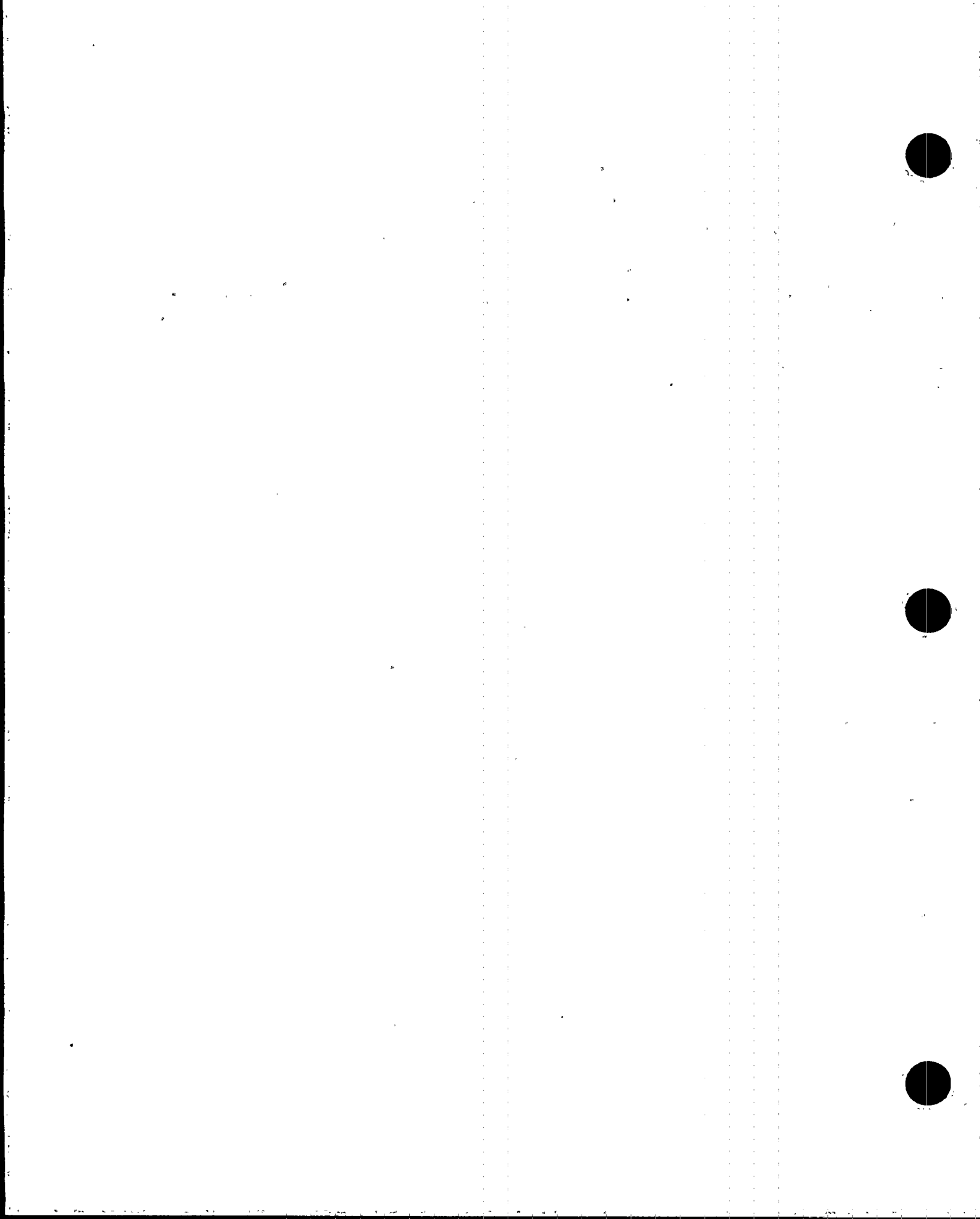
Re: 06/13/97

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, SECOND PERIOD, FIRST OUTAGE (97RF)
Class 2 CBEAR STATUS Components

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RESIDUAL HEAT REMOVAL TO RESID. HEAT REMOVAL PUMP A

Zone Number: 3-063		ASME		N I O		Remarks
Summary Examination Area		SEC. XI		S O N G T		
Number	Identification	Catgy	Exam	Procedure	T R S E H	
						** Calibration Block **
<u>REF. DWG. NO. 5613-P-600-S SH. 1</u>						
215200	14"-RHR-2301-10 ELBOW TO PIPE	C-F-1 C5.11	PT PT CR WO UT 45 UT 60 UT	NDE 3.3-1 PTN-97-0432 9706743 NDE 5.4-2 NDE 5.18-1	- - - X X - - - - - - - - - - - X - - - - - X - - - X -	3/13/97 - PT complete, cresecent shaped indication at toe of weld, determined to be a surface anomaly, 3/14/97 - UT complete, root geometry, 3/17/97 - PT completed after weld cleanup ** UT-33 **
215250	14"-RHR-2301-25 Pipe to Pipe	C-F-1 C5.11	SUR VOL	NDE 3.3 NDE 5.4		06/09/97 - weld found during 1997 outage, no examination required during this outage ** UT-33 **
215300	14"-RHR-2301-11 PIPE TO ELBOW	C-F-1 C5.11	PT UT 45 UT 60	NDE 3.3-13 NDE 5.4-3	X - - - X - - - - - X -	03/14/97 - PT and UT complete, root geometry ** UT-33 **
215400	14"-RHR-2301-11LS LONG SEAM DOWNSTREAM INSIDE RADIUS	C-F-1 C5.12	PT UT 45	NDE 3.3-13 NDE 5.4-3	X - - - X - - -	03/14/97 - PT and UT complete ** UT-33 **
215410	14"-RHR-2301-11LDO LONG SEAM DOWNSTREAM OUTSIDE RADIUS	C-F-1 C5.12	PT UT 45	NDE 3.3-13 NDE 5.4-3	X - - - X - - -	03/14/97 - PT and UT complete ** UT-33 **

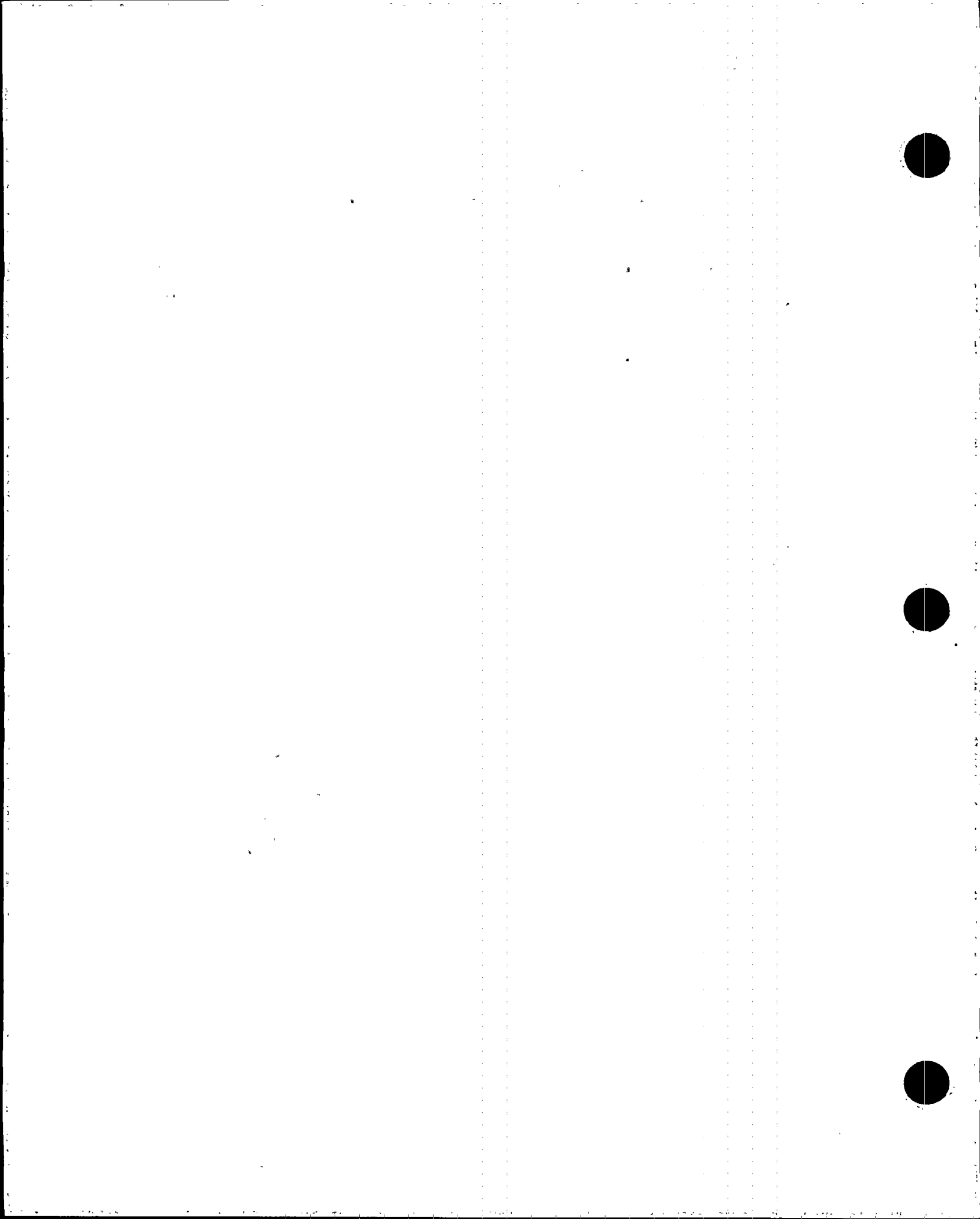


				N I O	
Zone Number: 3-063	ASME			S O N G T	
	SEC. XI			T R S E H	
Summary Examination Area	Catgy Exam			A E I O E	Remarks
Number Identification	Item No Method	Procedure		T C G M R	** Calibration Block **

215480	14"-RHR-2301-12LUI LONG SEAM UPSTREAM INSIDE RADIUS	C-F-1 PT C5.12 UT 45	NDE 3.3-13 NDE 5.4-3	X - - - X - - -	03/14/97 - PT and UT complete
					** UT-33 **
215490	14"-RHR-2301-12LUO LONG SEAM UPSTREAM OUTSIDE RADIUS	C-F-1 PT C5.12 UT 45	NDE 3.3-13 NDE 5.4-3	X - - - X - - -	03/14/97 - PT and UT complete
					** UT-33 **
215500	14"-RHR-2301-12 ELBOW TO PIPE	C-F-1 PT C5.11 UT 45 UT 60	NDE 3.3-13 NDE 5.4-3	X - - - X - - - - - X -	03/14/97 - PT and UT complete, root geometry
					** UT-33 **
215520	14"-RHR-2301-12LD Longitudinal Seam Weld Downstream	C-F-1 PT C5.12 UT 45	NDE 3.3-13 NDE 5.4-3	X - - - X - - -	03/14/97 - PT and UT complete
					** UT-33 **
216500	14"-RHR-2301-18 VALVE 3-752A TO PIPE	C-F-1 PT C5.11 UT 45 UT 60 UT 70	NDE 3.3-12 NDE 5.4-11	- - - X X - - - - - X - - - X -	03/12/97 - PT complete, 2 acceptable round indications, 3/13/97 - UT complete, root geometry, no volumetric examination from the weld crown and from valve side due to their configuration
					** UT-33 **
216520	14"-RHR-2301-18LD Long Seam Downstream	C-F-1 PT C5.12 UT 45	NDE 3.3-12 NDE 5.4-11	X - - - X - - -	03/12/97 - PT complete, 3/13/97 - UT complete
					** UT-33 **

Remarks
** Calibration Block **

216580	14"-RHR-2301-19LU Long Seam Upstream	C-F-1 C5.12	PT UT 45	NDE 3.3-19 NDE 5.4-11	X - - - X - - -	03/12/97 - PT complete, 3/13/97 - UT complete ** UT-33 **
216600	14"-RHR-2301-19 PIPE TO TEE	C-F-1 C5.11	PT UT 45 UT 60 UT 70	NDE 3.3-19 NDE 5.4-11	X - - - X - - - X - - - X - - -	03/12/97 - PT complete, 3/13/97 - UT complete, root geometry ** UT-33 **
216620	14"-RHR-2301-19LD1 Long Seam Weld Inside of Tee	C-F-1 C5.12	PT UT 45	NDE 3.3-19 NDE 5.4-11	X - - - X - - -	03/12/97 - PT complete, 3/13/97 - UT complete ** UT-33 **
216640	14"-RHR-2301-19LD2 Long Seam Weld Outside of Tee	C-F-1 C5.12	PT UT 45	NDE 3.3-19 NDE 5.4-11	X - - - X - - -	03/12/97 - PT complete, 3/13/97 - UT complete ** UT-33 **
217480	14"-RHR-2301-24LU Long Seam Upstream	C-F-1 C5.12	PT UT 45	NDE 3.3-11 NDE 5.4-10	X - - - X - - -	3/14/97 - PT complete, 3/15/97 - UT complete ** UT-33 **
217500	14"-RHR-2301-24 PIPE TO PUMP CASING	C-F-1 C5.11	PT UT 45 UT 60 UT 70	NDE 3.3-11 NDE 5.4-10	X - - - - - X - - - X - - - X -	3/12/97 - PT complete, 3/15/97 - UT complete, root geometry , no volumetric examination from the pump side and on the weld due to their configuration ** UT-33 **
217550	RHR PUMP 3P210A PUMP SUPPORT		VT-3 CR	NDE 4.3-5 97-0431	- - - X - - - -	03/12/97 - VT-3 complete, bent bolt on support plate , accepted as-is by engineering evaluation, support is part of building structure and is outside the scope of Section XI



Zone Number: 3-064	ASME		S O N G T
	SEC. XI		T R S E H
Summary Examination Area	Catgy Exam		A E I O E Remarks
Number Identification	Item No Method	Procedure	T C G M R ** Calibration Block **

218000	14"-RHR-2303-2	C-F-1	PT	NDE 3.3-10	- - - X	03/14/97 - PT complete, 3/15/97 - UT
	TEE TO PIPE	C5.11	UT 45	NDE 5.4-4	X - - -	complete, root geometry
			UT 60		- - - X -	
			UT 70		- - - X -	
						** UT-33 **

RESIDUAL HEAT REMOVAL TO RESID. HEAT REMOVAL PUMP B

Zone Number: 3-064		ASME	S O N G T		T R S E H		A E I O E		T C G M R		Remarks
Summary Examination Area	Catgy	Exam	Procedure								** Calibration Block **
Number	Identification	Item No	Method								
<u>REF. DWG. NO. 5613-P-600-S SH. 1</u>											
218020	14"-RHR-2303-2LD Long Seam Downstream	C-F-1 C5.12	PT UT 45	NDE 3.3-10 NDE 5.4-4	X - - - X - - -	03/14/97 - PT complete, 3/15/97 - UT complete					
** UT-33 **											
218080	14"-RHR-2303-2ALU Long Seam Upstream	C-F-1 C5.12	PT UT 45	NDE 3.3-10 NDE 5.4-4	X - - - X - - -	03/14/97 - PT complete, 3/15/97 - UT complete					
** UT-33 **											
218100	14"-RHR-2303-2A. PIPE TO PIPE	C-F-1 C5.11	PT UT 45 UT 60	NDE 3.3-10 NDE 5.4-4	- - - X X - - - - - X -	03/14/97 - PT complete, one acceptable round indication, 3/15/97 - UT complete, root geometry					
** UT-33 **											
218120	14"-RHR-2303-2ALD Long Seam Downstream	C-F-1 C5.12	PT UT 45	NDE 3.3-10 NDE 5.4-4	X - - - X - - -	03/14/97 - PT complete, 3/15/97 - UT complete					
** UT-33 **											
218380	14"-RHR-2303-4LUI LONG SEAM UPSTREAM, INSIDE RADIUS	C-F-1 C5.12	PT UT 45	NDE 3.3-5 NDE 5.4-5	X - - - X - - -	3/12/97 - PT complete, 3/13/97 - UT complete					
** UT-33 **											
218390	14"-RHR-2303-4LUO Long Seam Upstream Outside Radius	C-F-1 C5.12	PT UT 45	NDE 3.3-5 NDE 5.4-5	X - - - X - - -	3/12/97 - PT complete, 3/13/97 - UT complete					
** UT-33 **											
218400	14"-RHR-2303-4 ELBOW TO VALVE 3-752B	C-F-1 C5.11	PT UT 45 UT 60 UT 70	NDE 3.3-5 NDE 5.4-5	- - - X X - - - - - X - X - - -	03/12/97 - PT complete, one acceptable round indication, 3/13/97 - UT complete, root geometry, no volumetric examination from the valve side due to its configuration					
** UT-33 **											



06/13/97

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, SECOND PERIOD, FIRST OUTAGE (97RF)
Class 2 CBEAR STATUS Components

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RESIDUAL HEAT REMOVAL TO RESID. HEAT REMOVAL PUMP B

Zone Number: 3-064	ASME				N I O
Summary Examination Area	SEC. XI				S O N G T
Number Identification	Catgy Exam				T R S E H
	Item No Method	Procedure			A E I O E
					T C G H R
					Remarks
					** Calibration Block **

REF. DHG. NO. 5613-P-600-S SH. 1

218550	14"-RHR-2303-12 PIPE TO TEE				06/13/97 - Weld does not exist, removed code category and item number from database ** UT-33 **
219400	PS-54 DUAL SPRING HANGERS	F-A VT-3 F1.20C	NDE 4.3-13	X - - -	03/12/97 - VT-3 complete, light rust noted on the inside of both spring cans
219550	RHR PUMP 3P210B PUMP SUPPORT				3/12/97 - support is part of building structure and is outside the scope of Section XI

THIRD INTERVAL, SECOND PERIOD, FIRST OUTAGE (97RF)
Class 2 CBEAR STATUS Components

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RESIDUAL HEAT REMOVAL FROM CONTAINMENT SUMP A

Zone Number: 3-066		ASME	S O N G T		
		SEC. XI	T R S E H		
Summary Examination Area		Catgy Exam	A E I O E		Remarks
Number	Identification	Item No Method	Procedure	T C G H R	** Calibration Block **
REF. DWG. NO. 5613-P-600-S SH. 2					
222080	14"-RHR-2305-3LU Longitudinal Weld	C-F-1 PT C5.12 UT 45	NDE 3.3-4 NDE 5.4-1	X - - - X - - -	03/12/97 - PT complete, 3/13/97 - UT complete ** UT-33 **
222100	14"-RHR-2305-3 PIPE TO VALVE MOV-3-860A	C-F-1 PT C5.11 UT 45 UT 60 UT 70	NDE 3.3-4 NDE 5.4-1	- - - X X - - - - - X - - - X -	03/12/97 - PT complete, one acceptable round indication, 3/13/97 - UT complete, root geometry, no volumetric examination from the valve side due to its configuration ** UT-33 **
222860	14"-RHR-2305-10LUI Long Seam Inside Radius of Elbow	C-F-1 PT C5.12 UT 45	NDE 3.3-2 NDE 5.4-9	X - - - X - - -	03/12/97 - PT complete, 3/13/97 - UT complete ** UT-33 **
222880	14"-RHR-2305-10LUO Long Seam Outside Radius of Elbow	C-F-1 PT C5.12 UT 45	NDE 3.3-2 NDE 5.4-9	X - - - X - - -	03/12/97 - PT complete, 3/13/97 - UT complete ** UT-33 **
222900	14"-RHR-2305-10 ELBOW TO PIPE	C-F-1 PT C5.11 UT 45 UT 60 UT 70	NDE 3.3-2 NDE 5.4-9	X - - - X - - - - - X - - - X -	03/12/97 - PT complete, 3/13/97 - UT complete, root geometry, limited volumetric examination due to the weld crown configuration ** UT-33 **
222920	14"-RHR-2305-10LD Long Seam Downstream	C-F-1 PT C5.12 UT 45	NDE 3.3-2 NDE 5.4-9	X - - - X - - -	03/12/97 - PT complete, 3/13/97 - UT complete ** UT-33 **

06/13/97

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, SECOND PERIOD, FIRST OUTAGE (97RF)
Class 2 CBEAR STATUS Components

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RESIDUAL HEAT REMOVAL FROM CONTAINMENT SUMP-A

Zone Number: 3-066		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 **
<hr/>						
REF. DWG. NO. 5613-P-600-S SH. 2						
222980	14"-RHR-2305-11LU Long Seam Upstream	C-F-1 PT CS.12 UT 45		NDE 3.3-2 NDE 5.4-9	X - - - - - X -	03/12/97 - PT complete, 3/13/97 - UT complete, beam redirection due to dendretics, inside surface geometry ** UT-33 **
223000	14"-RHR-2305-11 PIPE TO VALVE MOV-3-861A	C-F-1 PT CS.11 UT 45 UT 60 UT 70		NDE 3.3-2 NDE 5.4-9	X - - - - - X - - - X - - - X -	03/12/97 - PT complete, 3/13/97 - UT complete, root geometry, limited volumetric examination due to the valve and weld crown configuration, Weld ID tag in examination area at top of pipe ** UT-33 **



Date: 06/13/97

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, SECOND PERIOD, FIRST OUTAGE (97RF)
Class 2 CBEAR STATUS Components

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SAFETY INJECTION SYSTEM OUTSIDE CONTAINMENT

Zone Number: 3-090		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	
				T C G H R	
				Remarks	
				** Calibration Block **	

REF. DWG. NO. 5613-P-601-S SH. 1

274100.	8"-SI-2308-19	C-F-1 PT	NDE 3.3-14	X - - -	03/14/97 - PT and UT complete, root
	ELBOW TO PENETRATION P-11	C5.11 UT 45	NDE 5.4-6	X - - -	geometry
		UT 60		- - X -	
					**UT-41 **

Re: 06/13/97

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, SECOND PERIOD, FIRST OUTAGE (97RF)
Class 2 CBEAR STATUS Components

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HIGH HEAD SAFETY INJECTION OUTSIDE CONTAINMENT

Zone Number: 3-095		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 **

REF. DWG. NO. 5613-P-597-S SH. 2

288506	3-SIH-139 IA INTEGRAL ATTACHMENT			05/13/97 - pipe saddle cut back to 1" and abandoned in place, removed code category and item number from database
288519	4"-SI-2303-31 thru 49			06/05/97 - Existing welds removed from service during 1997 outage per PC/H 96-012
288520	6"-SI-2306-1 thru 2			06/05/97 - Welds removed from service during 1997 outage per PC/H 96-012
288521	Boron Injection Tank			06/05/97 - Boron Injection Tank and support abandoned in place and removed from service during 1997 outage per PC/H 96-012

REF. DWG. NO. 5613-P-823-S SH. 2

288522	6"-SI-2307-1 thru 2			06/05/97 - Welds removed from service during 1997 outage per PC/H 96-012
288523	4"-SI-2305-1 thru 11			06/05/97 - Welds removed from service during 1997 outage per PC/H 96-012

REF. DWG. NO. 5613-P-597-S SH. 2

288524	4"-SI-2303-31 PIPE TO PIPE	C-F-1 C5.21	NDE 3.3 NDE 5.4	- - - 03/24/97 - new weld installed per PC/H 96-012, FW7
				** TO BE DETERMINED **



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INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, SECOND PERIOD, FIRST OUTAGE (97RF)
Class 2 CBEAR STATUS Components

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HIGH HEAD SAFETY INJECTION OUTSIDE CONTAINMENT

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 **

REF. DWG. NO. 5613-P-597-S SH. 2

288525	4"-SI-2303-32 PIPE TO ELBOW	C-F-1 C5.21	NDE 3.3 NDE 5.4	- - - - - - - -	03/24/97 - new weld installed per PC/M 96-012, FW8
					** TO BE DETERMINED **

288533	4"-SI-2303-35 Elbow to Valve 3-867	C-F-1 C5.21	NDE 3.3 NDE 5.4	- - - - - - - -	03/24/97 - new weld installed per PC/M 96-012
					** TO BE DETERMINED **

288536	4"-SI-2303-36 Valve 3-867 to Elbow	C-F-1 C5.21	NDE 3.3 NDE 5.4	- - - - - - - -	03/24/97 - new weld installed per PC/M 96-012, FW9
					** TO BE DETERMINED **

288539	4"-SI-2303-37 ELBOW TO PIPE	C-F-1 C5.21	NDE 3.3 NDE 5.4	- - - - - - - -	03/24/97 - new weld installed per PC/M 96-012, FW10
					** TO BE DETERMINED **

288542	4"-SI-2303-38 PIPE TO ELBOW	C-F-1 C5.21	NDE 3.3 NDE 5.4	- - - - - - - -	03/24/97 - new weld installed per PC/M 96-012, FW11
					** TO BE DETERMINED **

288545	4"-SI-2303-39 ELBOW TO PIPE	C-F-1 C5.21	NDE 3.3 NDE 5.4	- - - - - - - -	03/24/97 - new weld installed per PC/M 96-012, FW12
					** TO BE DETERMINED **

REF. DWG. NO. 5613-P-823-S SH. 2

288548	4"-SI-2303-40 Pipe to Tee	C-F-1 C5.21	NDE 3.3 NDE 5.4	- - - - - - - -	03/24/97 - new weld installed per PC/M 96-012, FW14
					** TO BE DETERMINED **



06/13/97

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, SECOND PERIOD, FIRST OUTAGE (97RF)
Class 2 CBEAR STATUS Components

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HIGH HEAD SAFETY INJECTION OUTSIDE CONTAINMENT

Zone Number: 3-095		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		** Calibration Block **
					T C G M R		
<u>REF. DWG. NO. 5613-P-823-S SH. 2</u>							
288551	4"-SI-2303-41 Tee to Pipe	C-F-1 C5.21		NDE 3.3 NDE 5.4	- - - -		03/24/97 - new weld installed per PC/M 96-012, FW31 ** TO BE DETERMINED **
288554	4"-SI-2303-42 Pipe to Valve MOV-3-843A	C-F-1 C5.21		NDE 3.3 NDE 5.4	- - - -		03/24/97 - new weld installed per PC/M 96-012, FW30 ** TO BE DETERMINED **
288578	4"-SI-2303-46 TEE TO PIPE	C-F-1 C5.21	SUR VOL	NDE 3.3 NDE 5.4			03/24/97 - new weld installed per PC/M 96-012, FW15 ** TO BE DETERMINED **
288581	4"-SI-2303-47 PIPE TO ELBOW	C-F-1 C5.21	SUR VOL	NDE 3.3 NDE 5.4			03/24/97 - new weld installed per PC/M 96-012, FW16 ** TO BE DETERMINED **
288584	4"-SI-2303-48 ELBOW TO PIPE	C-F-1 C5.21	SUR VOL	NDE 3.3 NDE 5.4			03/24/97 - new weld installed per PC/M 96-012, FW17 ** TO BE DETERMINED **
288586	8080-H-007-01 1A INTEGRAL ATTACHMENTS						05/13/97 - Removed from pipe per PC/M 96-012, no longer performs a support function, removed code category and item number from database
288587	4"-SI-2303-49 Pipe to Valve MOV-3-843B	C-F-1 C5.21	PT UT	NDE 3.3 NDE 5.4			03/24/97 - new weld installed per PC/M 96-012, FW25 ** TO BE DETERMINED **



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Date: 06/13/97

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, SECOND PERIOD, FIRST OUTAGE (97RF)
Class 2 CBEAR STATUS Components

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HIGH HEAD SAFETY INJECTION OUTSIDE CONTAINMENT

Zone Number: 3-095	ASME	N I O	
Summary Examination Area	SEC. XI	S. O N G T	
Number Identification	Catgy Exam	T R S E H	Remarks
	Item No Method	A E I O E	** Calibration Block **
		T C G M R	
<u>REF. DWG. NO. 5613-P-823-S SH. 2</u>			
288604	8080-R-007-01 DOUBLE ACTING RESTRAINT	F-A PT F1.20B	NDE 4.3-20 X - - - 03/15/97 - VT-3 complete
<u>REF. DWG. NO. 5613-P-823-S SH. 1</u>			
288820	8080-H-004-01 DOUBLE ACTING RESTRAINT	F-A VT-3 F1.20B	NDE 4.3-18 X - - - 03/14/97 - VT-3 complete
288865	8080-H-007-07 DOUBLE ACTING RESTRAINT	F-A VT-3 F1.20B	NDE 4.3-17 X - - - 03/15/97 - VT-3 complete
288878	8080-H-007-10 DOUBLE ACTING RESTRAINT	F-A VT-3 F1.20B	NDE 4.3-16 X - - - 03/15/97 - VT-3 complete
288896	8080-H-005-02 DOUBLE ACTING RESTRAINT	F-A VT-3 F1.20B CR PHAI	NDE 4.3-15 97-0485 PH97-03-210 - - - X 03/15/97 - VT-3 complete, bottom lug is missing welds, possible drawing discrepancy, accepted as-is by engineering evaluation, drawing will be revised to show as-built condition
288911	8080-H-005-01 DOUBLE ACTING RESTRAINT	F-A VT-3 F1.20B	NDE 4.3-19 X - - - 03/15/97 - VT-3 complete



Date: 06/13/97

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, SECOND PERIOD, FIRST OUTAGE (97RF)
Class 2 CBEAR STATUS Components

Page: 17

HIGH PRESSURE SAFETY INJECTION OUTSIDE CONTAINMENT

Zone Number: 3-096		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	T C G H R	Remarks

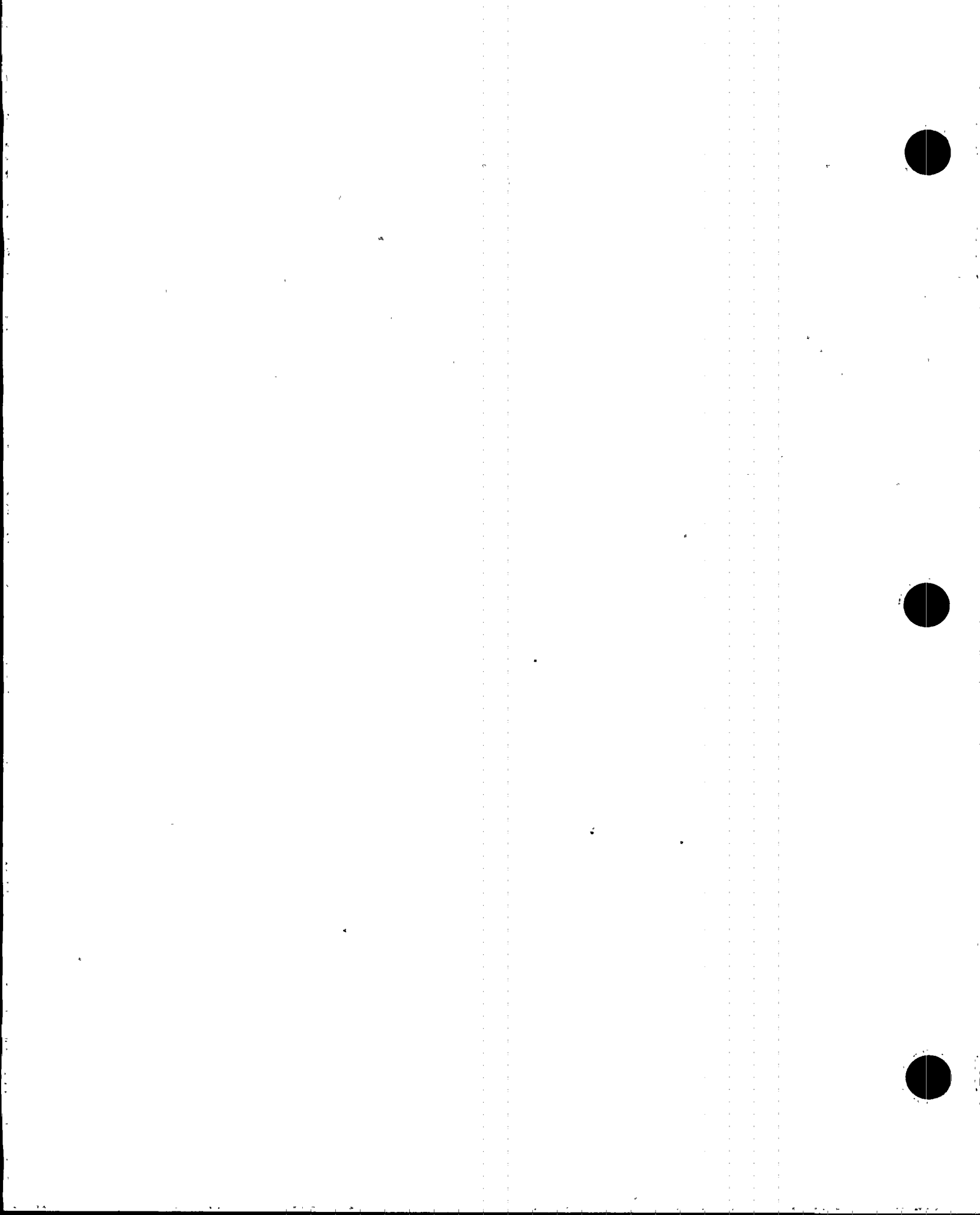
REF. DWG. NO. 5613-P-597-S SH. 1					
289298	SR-123 SINGLE AND DOUBLE ACTING RESTRAINT	F-A VT-3 F1.20ABCR	NDE 4.3-4 97-0433	- - - X - - - -	03/12/97 - VT-3 complete, chipped concrete, accepted as-is by engineering evaluation, drawing will be updated to show spalled concrete
289301	SR-123 1A INTEGRAL ATTACHMENTS	C-C PT C3.20	NDE 3.3-3	X - - -	03/12/97 - PT complete

MAIN STEAM SYSTEM LOOP A OUTSIDE CONTAINMENT

Zone Number: 3-100				ASME	SEC. XI	Catgy	Exam	Item No	Method	Procedure	NI O	S O N G T	T R S E H	A E I O E	Remarks	
Number	Identification										T	C	G	M	R	** Calibration Block **

REF. DWG. NO. 5613-P-654-S SH. 2

301700	26"-MSA-2304-17 PIPE TO VALVE POV-3-2604	C-F-2 C5.51	MT UT 45 UT 60 UT 70	NDE 2.2-3 NDE 5.2-2	X - - - 03/14/97 - MT complete, 3/16/97 - UT - - X - complete, root geometry, limited - - X - volumetric examination from the valve - - X - side due to its configuration ** UT-21 **
301800	26"-MSA-2304-17LU PIPE LONG SEAM UPSTREAM	C-F-2 C5.52	MT UT 45	NDE 2.2-3 NDE 5.2-2	X - - - 03/14/97 - MT complete, 3/16/97 - UT X - - - complete ** UT-21 **



06/13/97

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, SECOND PERIOD, FIRST OUTAGE (97RF)
Class 2 CBEAR STATUS Components

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MAIN FEEDWATER SYSTEM LOOP A

Zone Number: 3-109	ASME SEC. XI				N I. O S O N. G. T T R S. E. H A E I. O. E T C G. H. R	Remarks
Summary Examination Area: Number Identification	Catgy Exam Item No Method		Procedure			** Calibration Block **

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

330500	AUGMENTED EXAMINATION FROM NOZZLE RAMP TO 1 DIAMETER ON ELBOW	AUG	UT	NDE 5.16-1	- - X X	03/13/97 - UT complete, root and chill ring geometry, acceptable slag indication at weld FW1
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** UT-20, UT-29 **



Date: 06/13/97

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, SECOND PERIOD, FIRST OUTAGE (97RF)
Class 2 CBEAR STATUS Components

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MAIN FEEDWATER SYSTEM LOOP B

Zone Number: 3-110		ASME SEC. XI		Procedure	N I O S O N G T T R S E H A E I O E T C G M R			Remarks ** Calibration Block **	
Summary Examination Area		Catgy Exam							
Number Identification		Item No Method							
<u>REF. DWG. NO. 5613-P-817-S SH. 3</u>									
330700	14"-FWB-2304-1 VALVE CV-3-2901 TO PIPE	C-F-2	MT	NDE 2.2-1	X - - -	03/10/97 - MT and UT complete, root			
			C5.51	UT 45	NDE 5.2-1	X - - -	geometry, limited volumetric examination		
				UT 60		- - X -	on the weld and the valve side due to		
				UT 70		X - - -	their configuration		
					** UT-20 **				
331100	14"-FWB-2304-3 PIPE TO ELBOW	C-F-2	MT	NDE 2.2-2	- - - X	03/10/97 - MT complete, acceptable			
			C5.51	UT 45	NDE 5.2-1	X - - -	linear indication, UT complete, backing,		
				UT 60		- - X -	ring geometry		
								** UT-20 **	
<u>REF. DWG. NO. 5613-P-652-S SH. 1</u>									
333800	AUGMENTED EXAMINATION FROM NOZZLE RAMP TO 1 DIAMETER ON ELBOW	AUG	UT	NDE 5.16-2	- - X -	03/12/97 - UT complete, root and backing ring geometry			
					** UT-20, UT-29 **				



Date: 06/13/97

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TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, SECOND PERIOD, FIRST OUTAGE (97RF)
Class 2 CBEAR STATUS Components

MAIN FEEDWATER SYSTEM LOOP C

Zone Number: 3-111		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 **

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

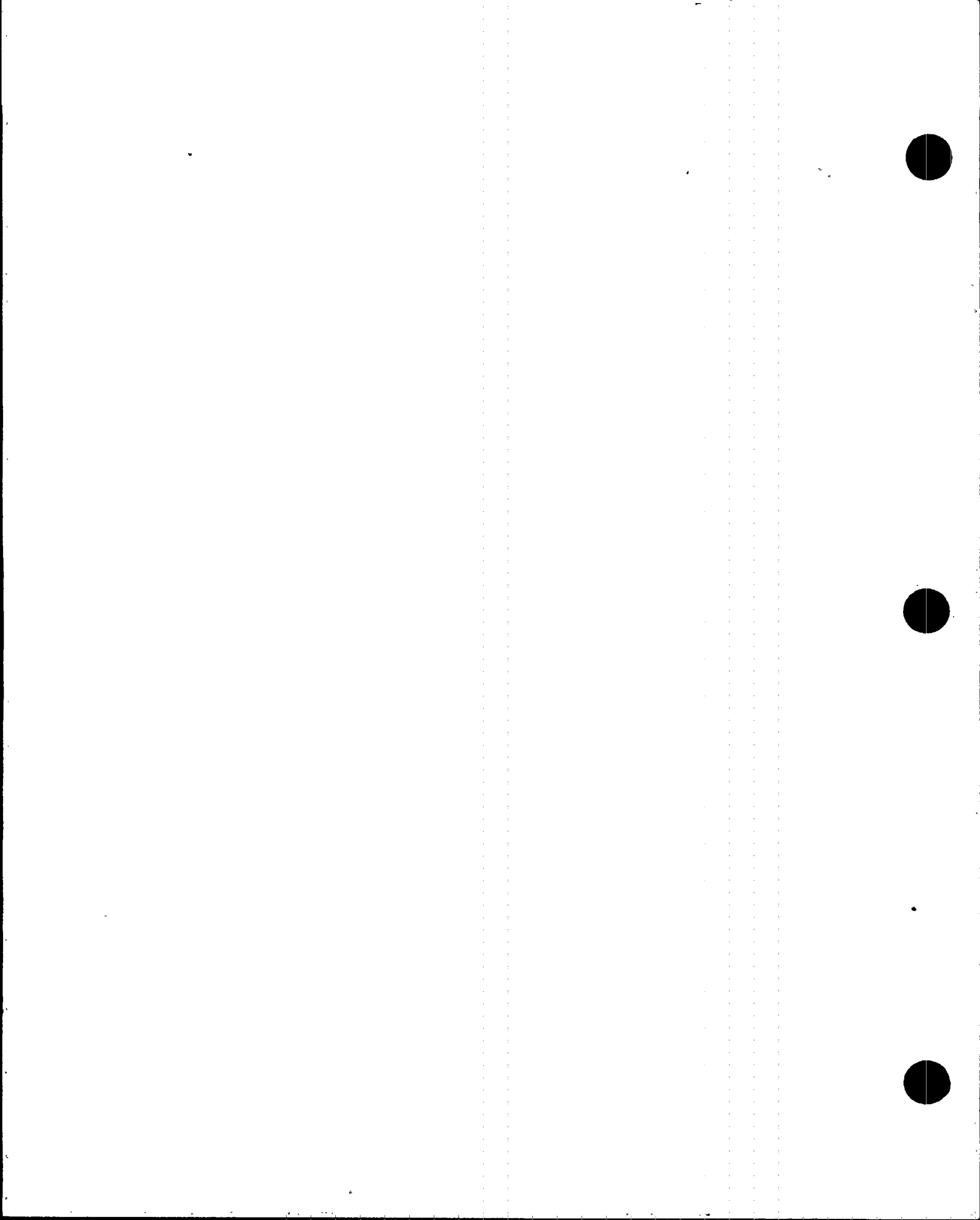
338200	AUGMENTED EXAMINATION FROM NOZZLE RAMP TO 1 DIAMETER ON ELBOW	AUG	UT	NDE 5.16-3	- - X X	03/12/97 - UT complete, root and backing ring geometry, acceptable slag inclusion and internal undercut ** UT-20, UT-29 **
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TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, SECOND PERIOD, FIRST OUTAGE (97RF)
Class 2 CBEAR STATUS Components

RESIDUAL HEAT EXCHANGER A

Zone Number: 3-115		ASME		Procedure	N I O		Remarks
Summary Examination Area		SEC. XI			S O N G T		
Number	Identification	Catgy	Exam Item No Method		T R S E H		
					A E I O E		
		Item No Method		T C G H R		** Calibration Block **	
<u>REF. DWG. NO. 5613-M-4010</u>							
341200	3-RHE-A1 HEAD TO SHELL	C-A C1.20	UT 45 UT 60	NDE 5.4-7	X - - X - -	03/15/97 - UT complete, limited examination due to nozzles and reinforcement plates ** UT-55 **	
341300	3-RHE-A2 SHELL TO FLANGE	C-A C1.10	UT 45 UT 60	NDE 5.4-7	X - - X - -	03/15/97 - UT complete, limited examination due to nozzles and reinforcement plates ** UT-55 **	
341800	3-RHE-A7 REINFORCEMENT PLATE TO SHELL	C-B C2.31	PT	NDE 3.3-18	X - -	03/15/97 - PT complete	
341900	3-RHE-A8 REINFORCEMENT PLATE TO NOZZLE	C-B C2.31	PT	NDE 3.3-18	X - -	03/15/97 - PT complete	
342000	3-RHE-A9 REINFORCEMENT PLATE TO SHELL	C-B C2.31	PT	NDE 3.3-17	X - -	03/15/97 - PT complete	
342100	3-RHE-A10 REINFORCEMENT PLATE TO NOZZLE	C-B C2.31	PT	NDE 3.3-17	X - -	03/15/97 - PT complete	
342400	3-RHE-SPA-1 SUPPORT Heat Exchanger Lower Support	F-A F1.40H	VT-3	NDE 4.3-11	X - -	03/12/97 - VT-3 complete	
342500	3-RHE-SPA-2 1A Integral Attachment	C-C C3.10	PT CR VT-1	NDE 3.3-9 97-0479 NDE 4.1-6	- - - X - - - X - -	03/15/97 - PT complete, one rejectable round indication, engineering evaluation determined cover weld on partial penetration weld was not completely around end of lug, 3/19/97 - VT-1 complete, examination performed to document final condition	



Re: 06/13/97

TURKEY POINT NUCLEAR PLANT UNIT 3
INSERVICE INSPECTION SUMMARY
THIRD INTERVAL, SECOND PERIOD, FIRST OUTAGE (97RF)
Class 2 CBEAR STATUS Components

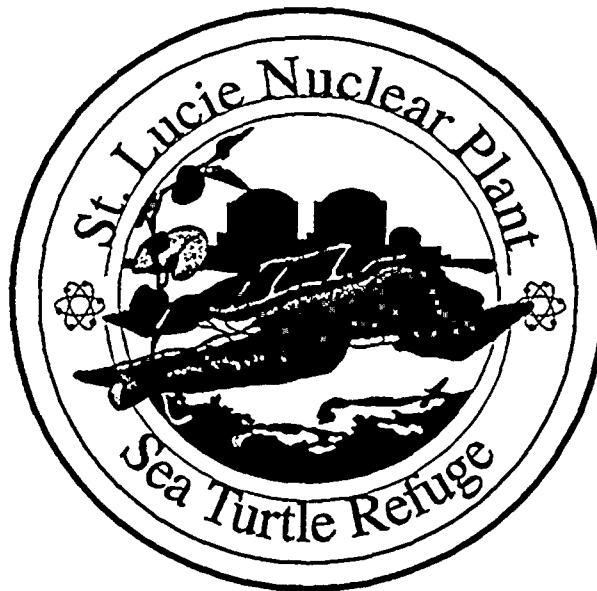
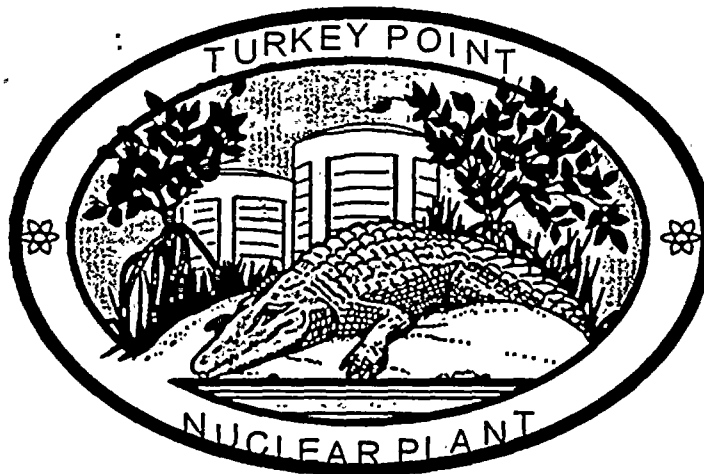
Page: 23

RESIDUAL HEAT EXCHANGER A

Zone Number: 3-115	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. 5613-M-4010

342600	3-RHE-SPA-2 SUPPORT Heat Exchanger Lower Support	F-A VT-3 F1.40H	NDE 4.3-10	X - - -	03/12/97 - VT-3 complete
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NRC / FPL ENGINEERING INTERFACE MEETING

JULY 15, 1997



ENGINEERING DEPARTMENT

AGENDA

INTRODUCTION

R.S. KUNDALKAR

- PLANT INDICATORS
- ENGINEERING ORGANIZATION

TURKEY POINT

ENGINEERING ORGANIZATION
SAFETY SYSTEM PERFORMANCE

E.A. THOMPSON

SYSTEM ENGINEERING
ROD CONTROL SYSTEM ENHANCEMENTS
CCW HEAT EXCHANGERS
EFFECTIVE USE OF PSA
OUTAGE SUPPORT

D.J. TOMASZEWSKI

PLANT ENGINEERING
50.54(f) RESPONSE
DRAFT NUREG 1606
SOFTWARE CONTROL
SAFETY / RELIABILITY UPGRADES

W.A. SKELLEY

ST. LUCIE

ENGINEERING ORGANIZATION
SAFETY SYSTEM PERFORMANCE
SOFTWARE CONTROL

C.R. BIBLE

REACTIVITY MANAGEMENT
CONTROL ROD PERFORMANCE

C.A. PELL

SAFETY / RELIABILITY IMPROVEMENTS
50.54(f) RESPONSE

J.R. HOFFMAN

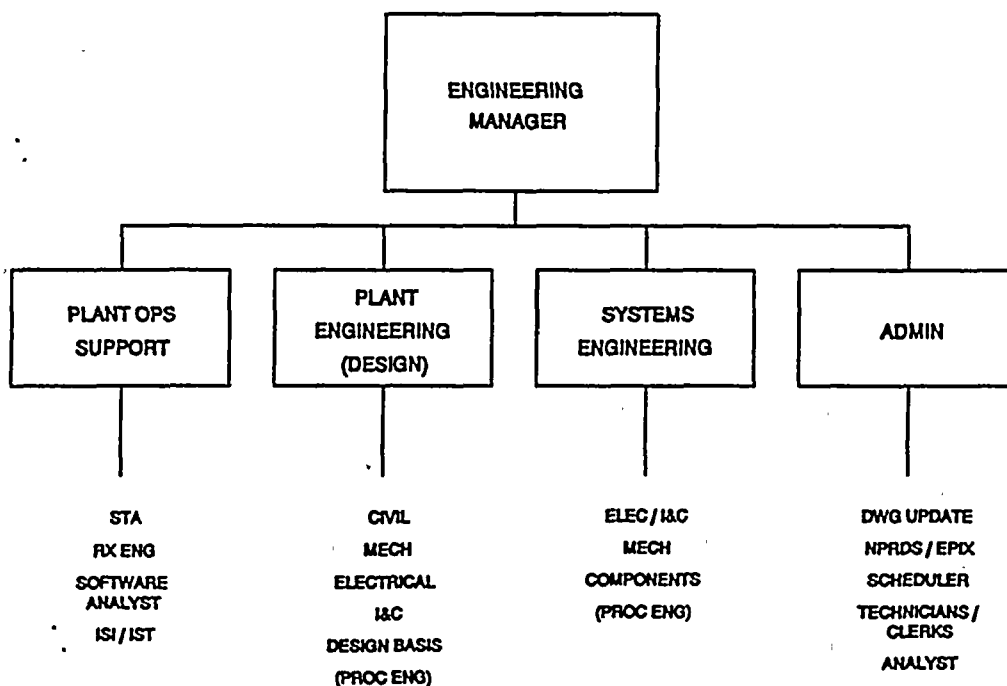
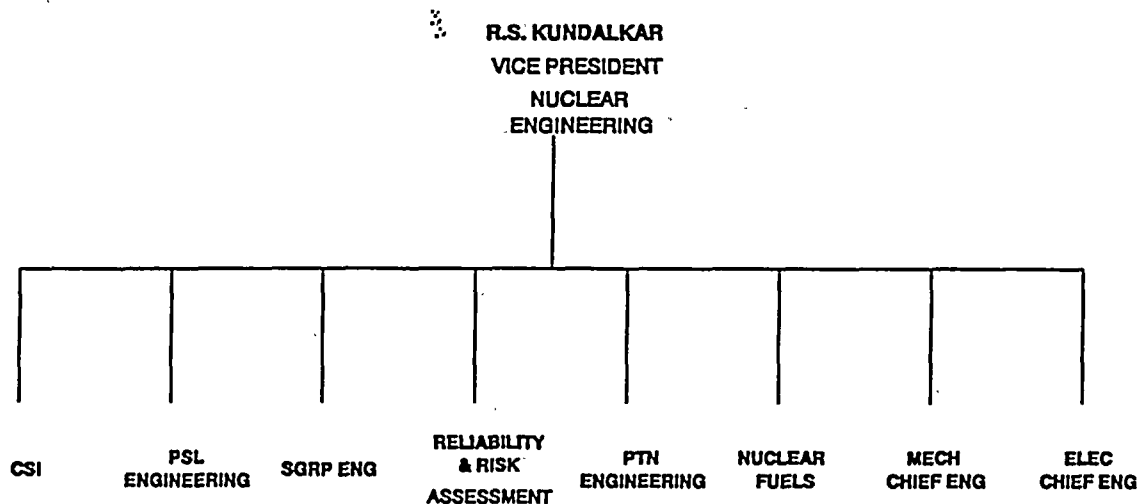
SUMMARY

R.S. KUNDALKAR



ENGINEERING DEPARTMENT

NUCLEAR ENGINEERING ORGANIZATION

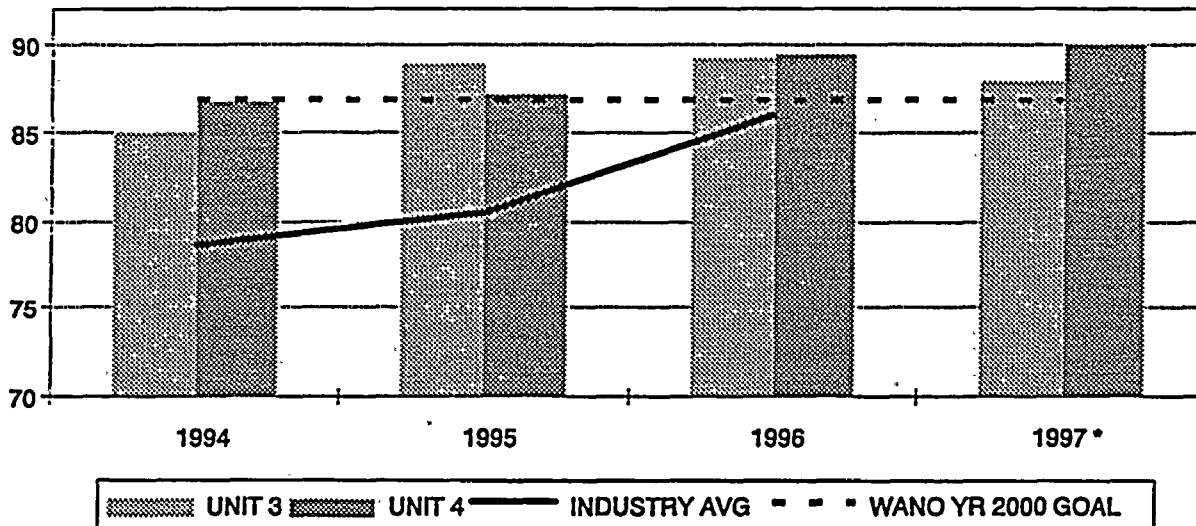




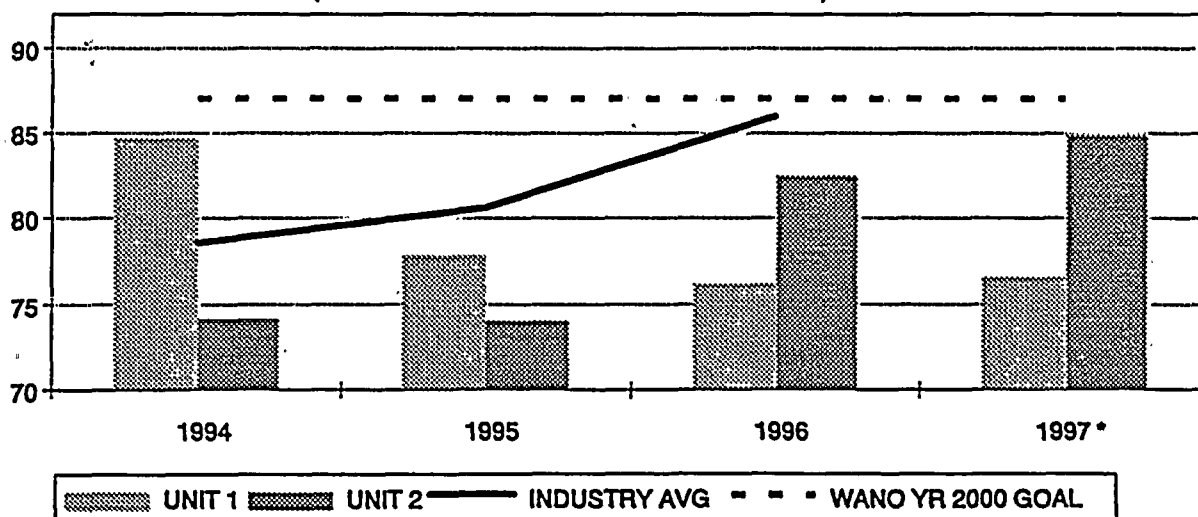


ENGINEERING DEPARTMENT

UNIT CAPABILITY FACTOR
TURKEY POINT
(3 YR RUNNING AVERAGE + 1997 AVG -THROUGH MAY)



UNIT CAPABILITY FACTOR
ST. LUCIE
(3 YR RUNNING AVERAGE + 1997 AVG THROUGH MAY)

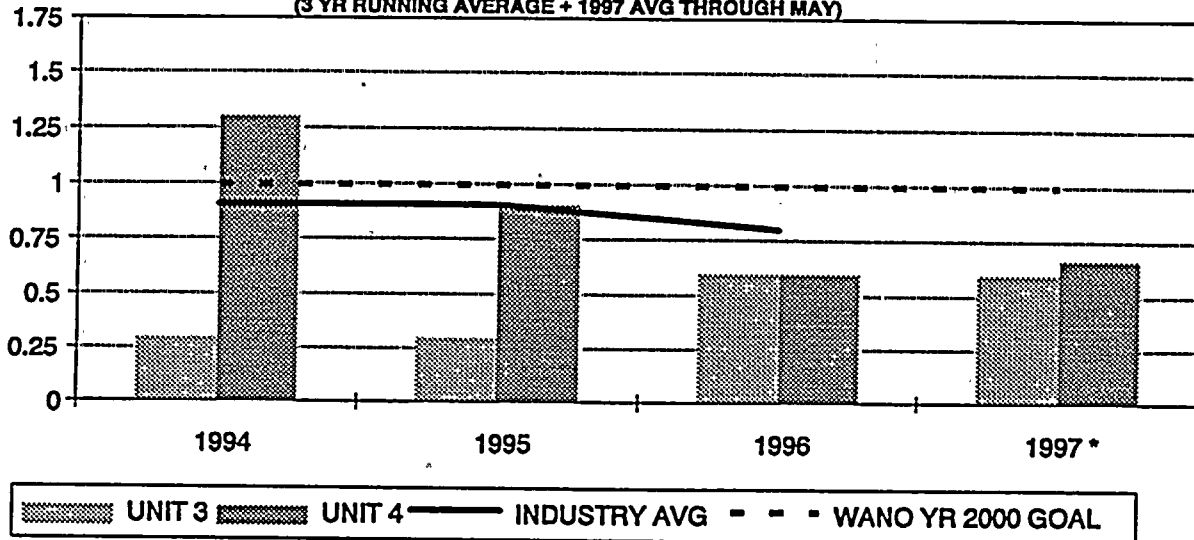




ENGINEERING DEPARTMENT

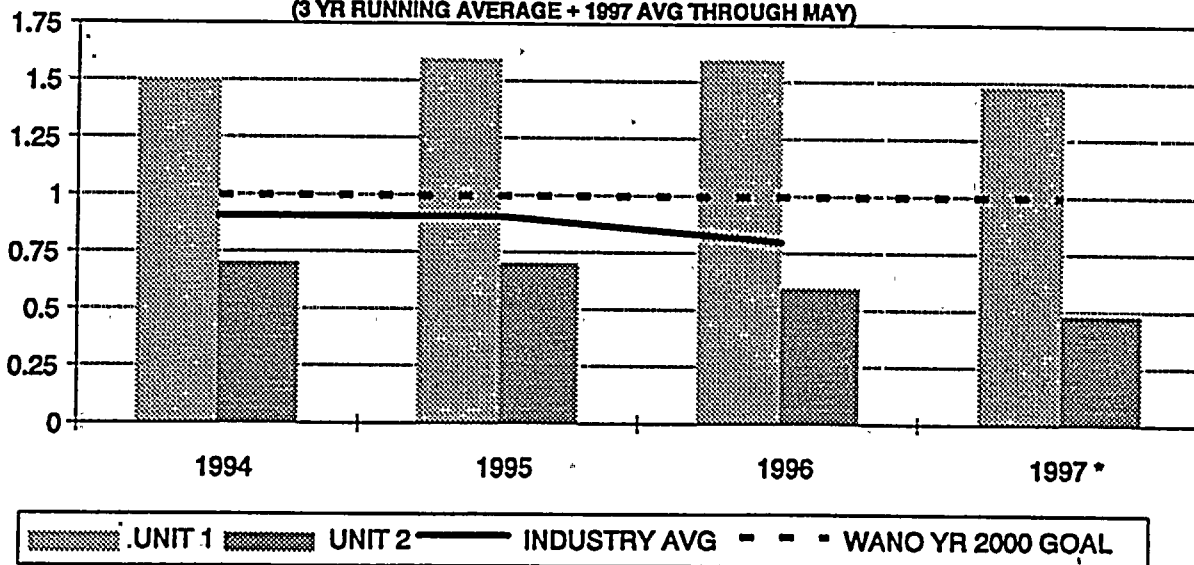
UNPLANNED AUTO TRIPS PER 7000 HOURS CRITICAL TURKEY POINT

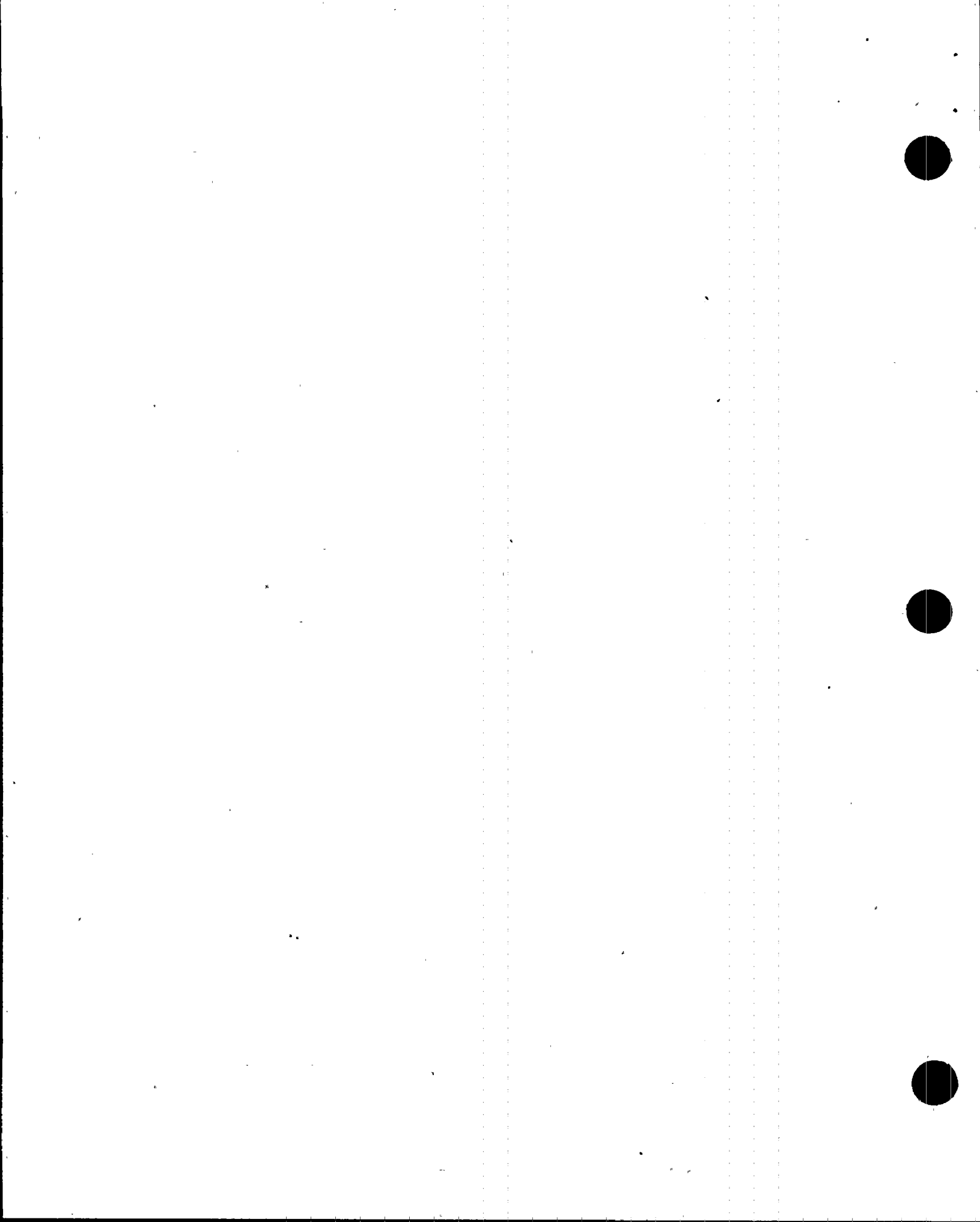
(3 YR RUNNING AVERAGE + 1997 AVG THROUGH MAY)



UNPLANNED AUTO TRIPS PER 7000 HOURS CRITICAL ST. LUCIE

(3 YR RUNNING AVERAGE + 1997 AVG THROUGH MAY)

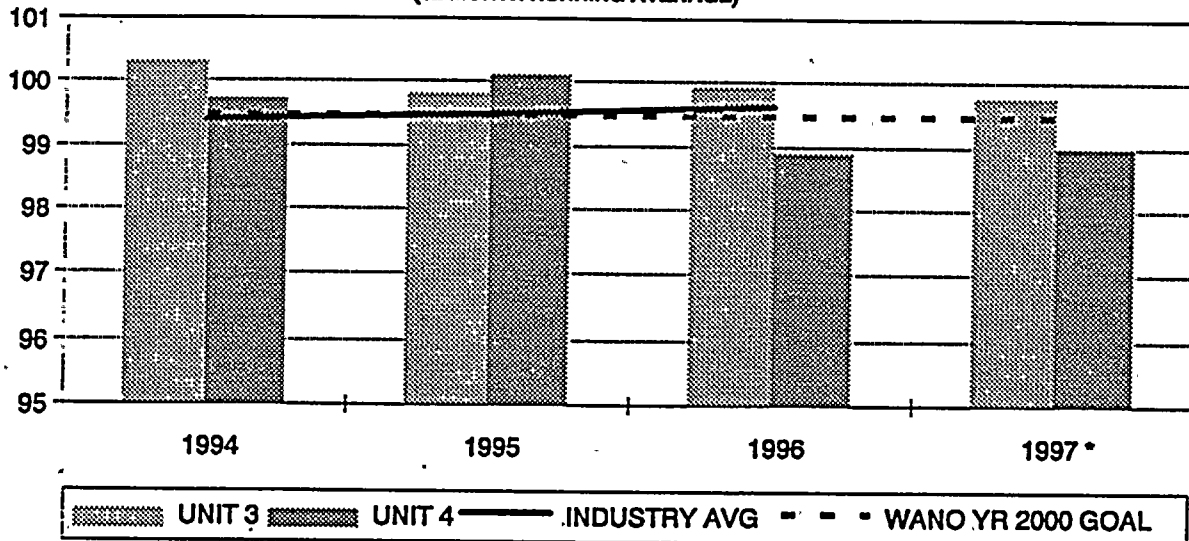




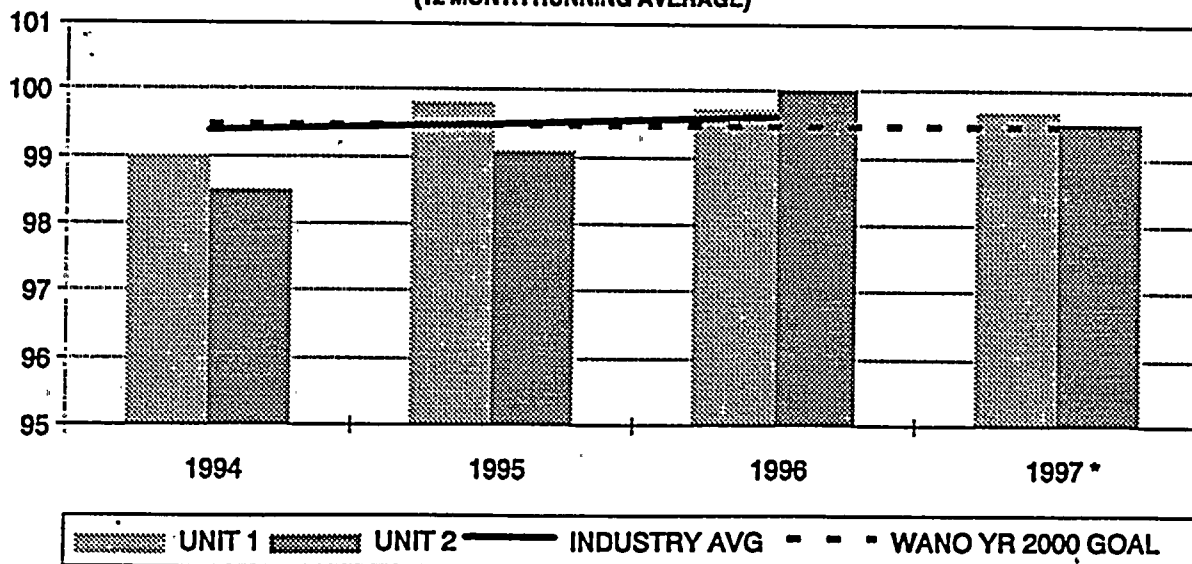


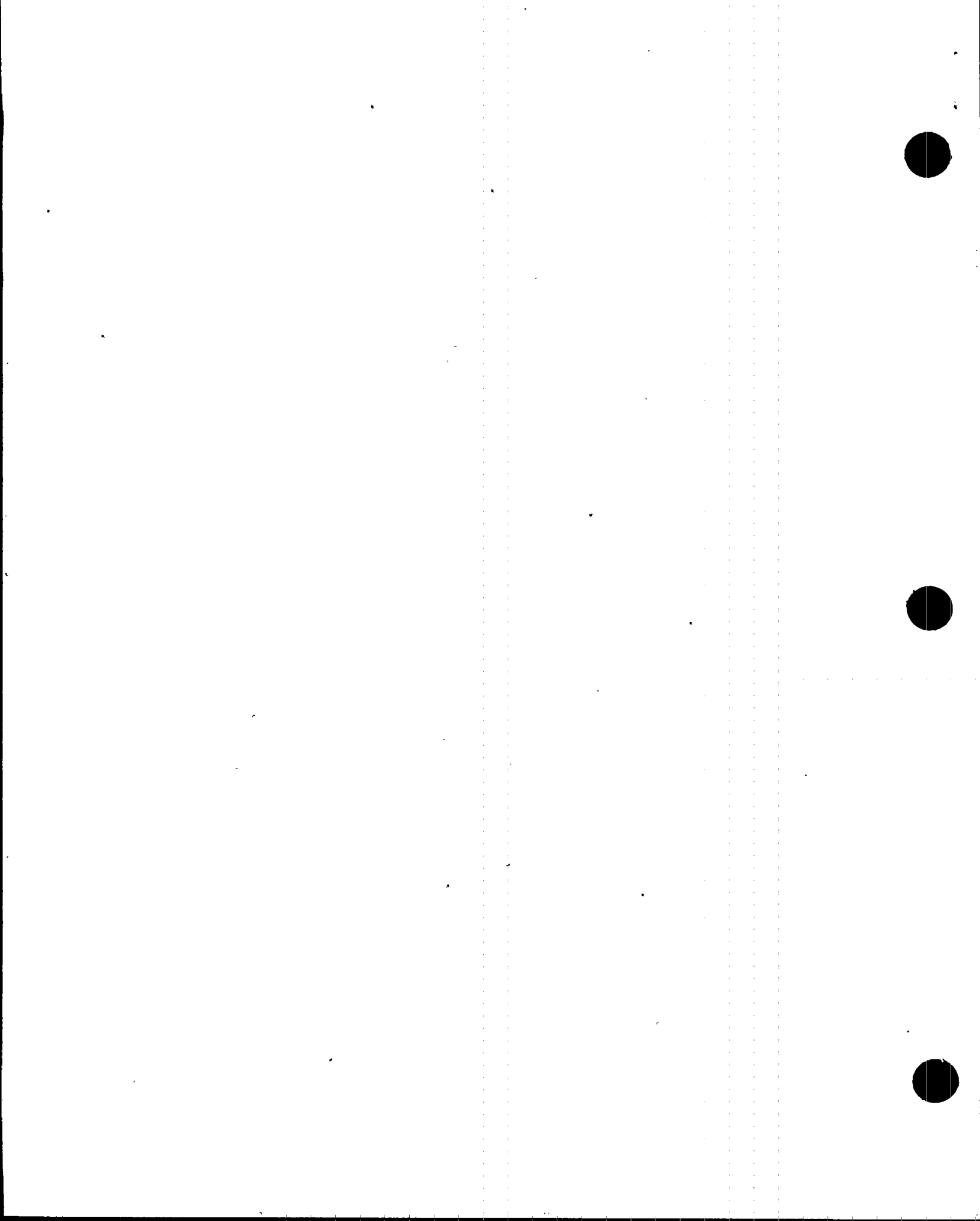
ENGINEERING DEPARTMENT

**THERMAL PERFORMANCE
TURKEY POINT
(12 MONTH RUNNING AVERAGE)**



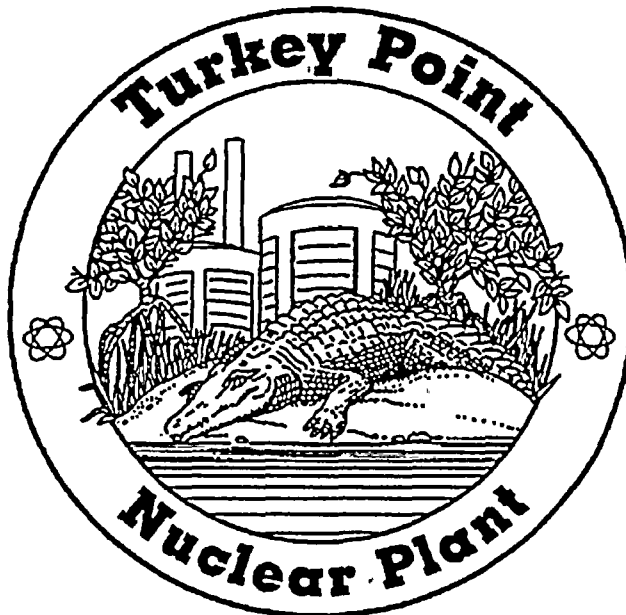
**THERMAL PERFORMANCE
ST. LUCIE
(12 MONTH RUNNING AVERAGE)**

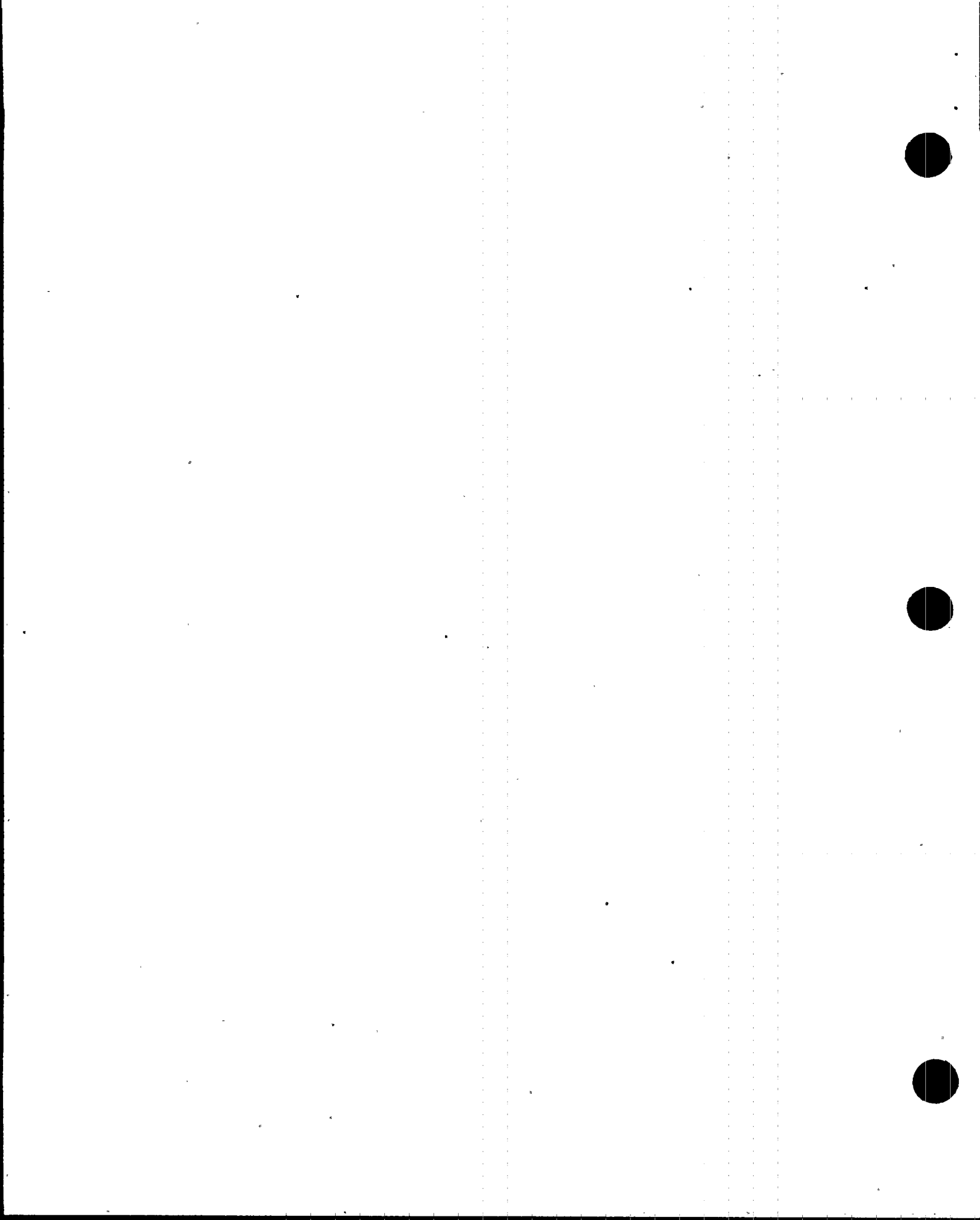






TURKEY POINT ENGINEERING DEPARTMENT

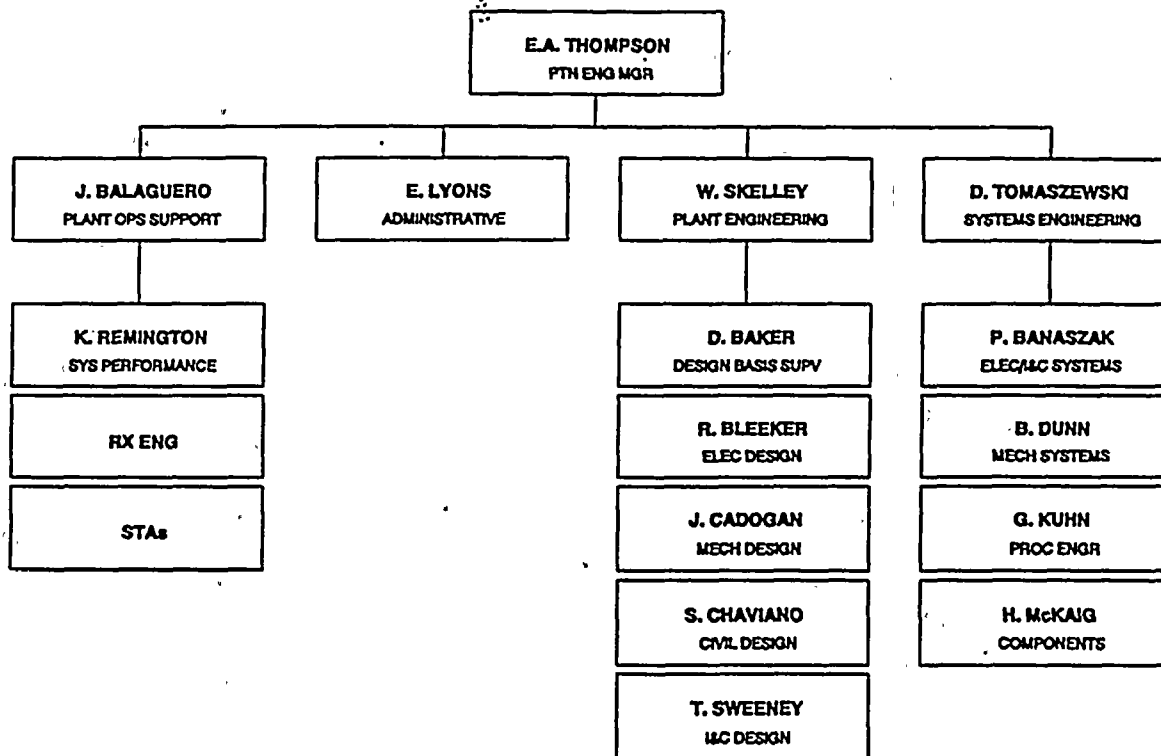




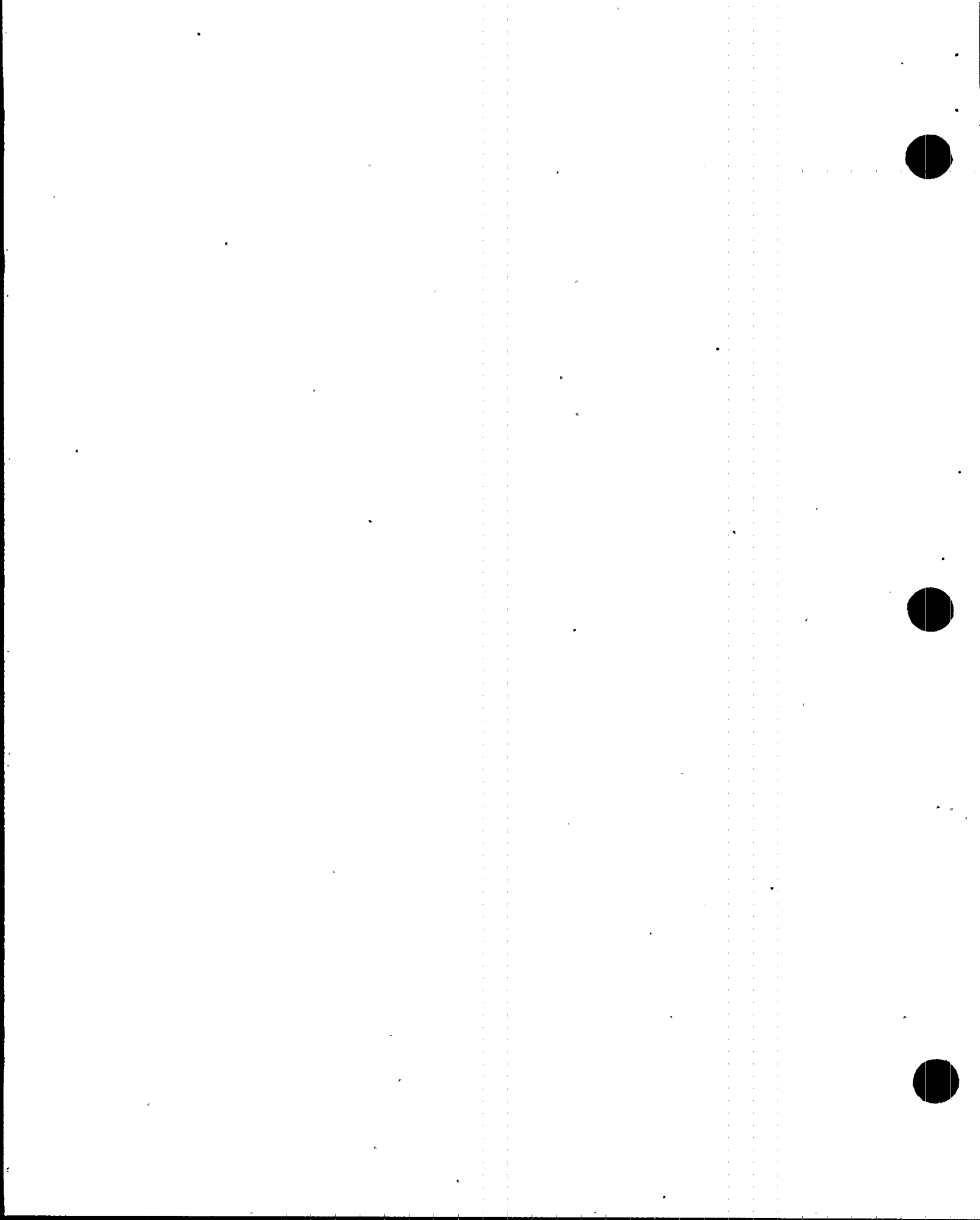


TURKEY POINT ENGINEERING DEPARTMENT

TURKEY POINT ENGINEERING ORGANIZATION



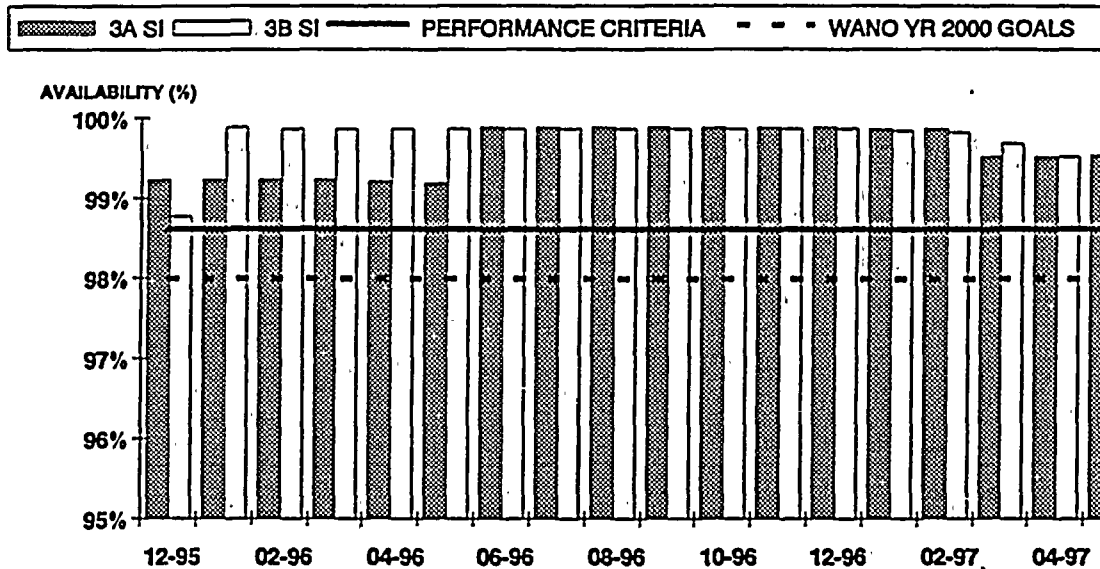
- ◆ FIRST LINE SUPERVISORS HAVE OVER 12 YEARS EXPERIENCE
- ◆ SYSTEM AND COMPONENT SUPERVISORS ARE SRO CERTIFIED



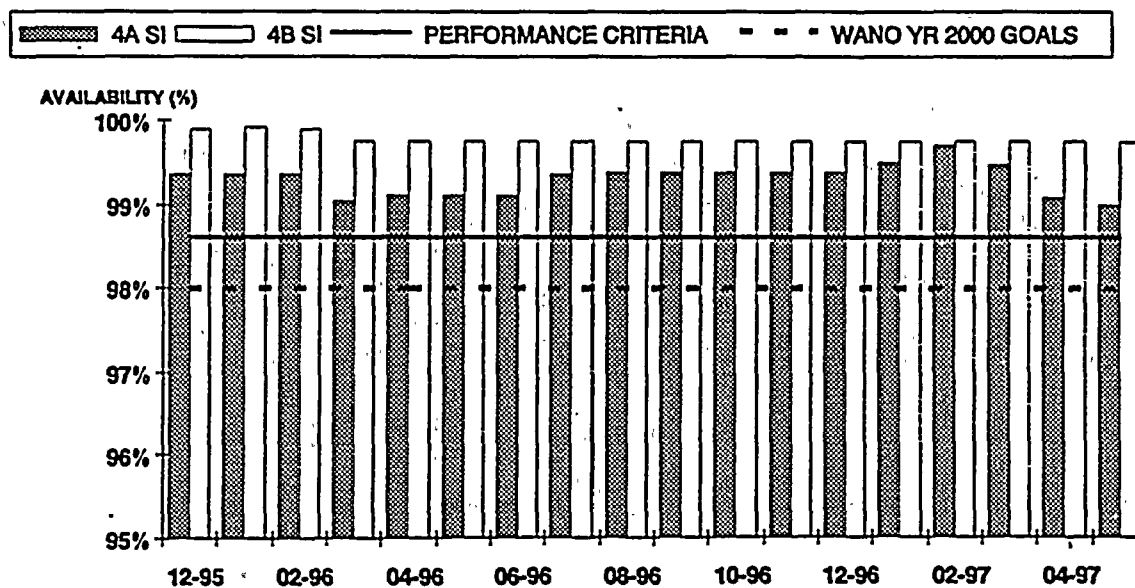


TURKEY POINT ENGINEERING DEPARTMENT

UNIT 3 SAFETY INJECTION AVAILABILITY (18 MONTH CUMULATIVE AVERAGE)



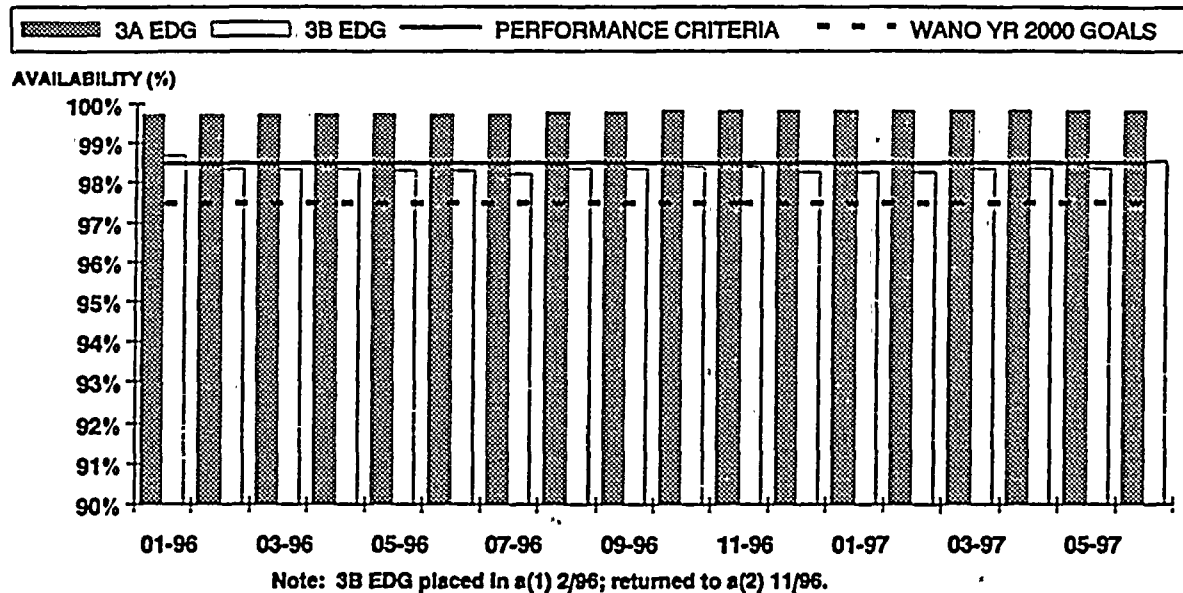
UNIT 4 SAFETY INJECTION AVAILABILITY (18 MONTH CUMULATIVE AVERAGE)



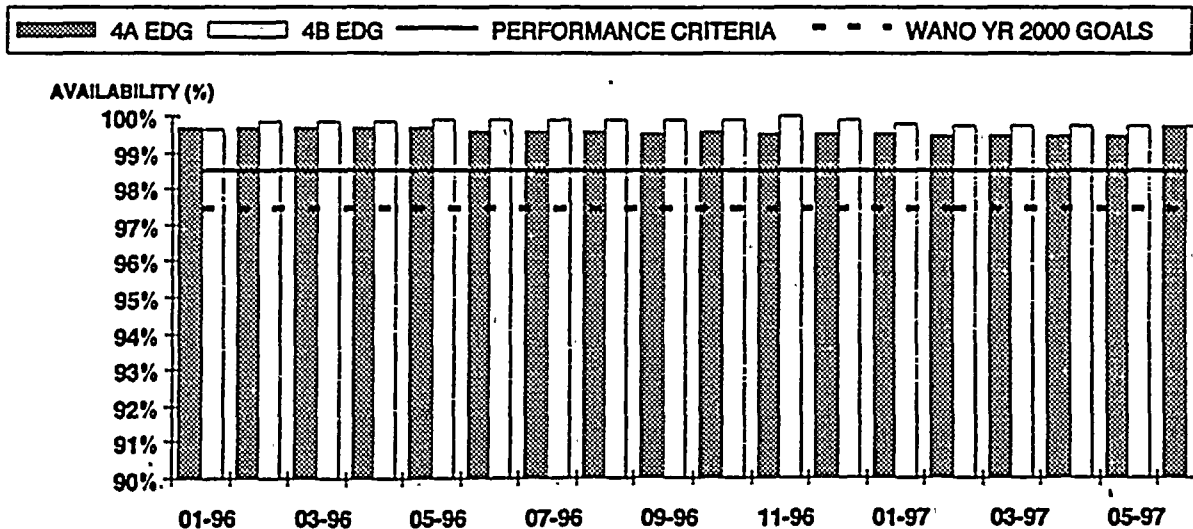


TURKEY POINT ENGINEERING DEPARTMENT

UNIT 3 EDG AVAILABILITY (18 MONTH CUMULATIVE AVERAGE)



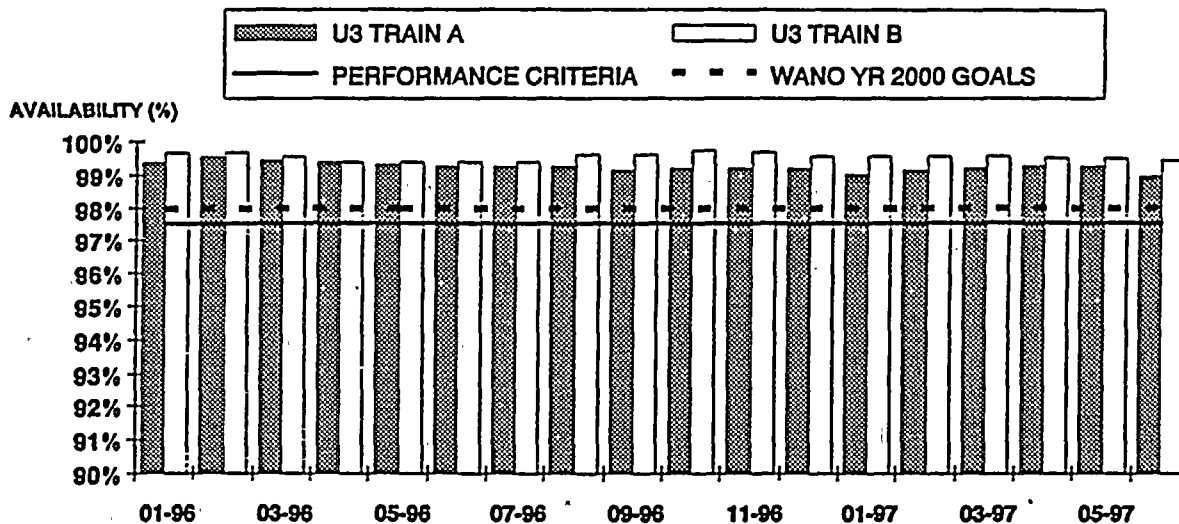
UNIT 4 EDG AVAILABILITY (18 MONTH CUMULATIVE AVERAGE)



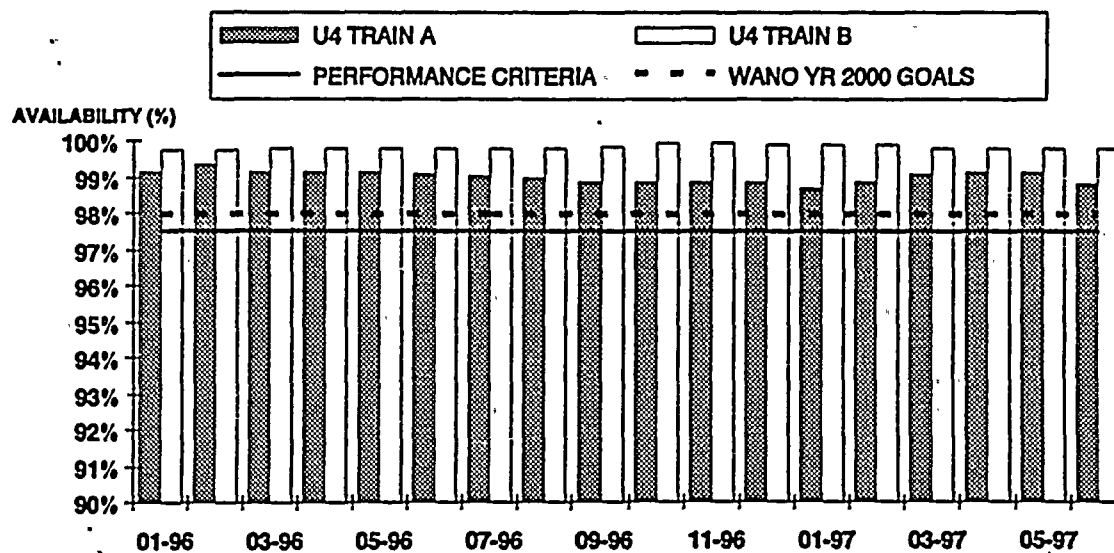


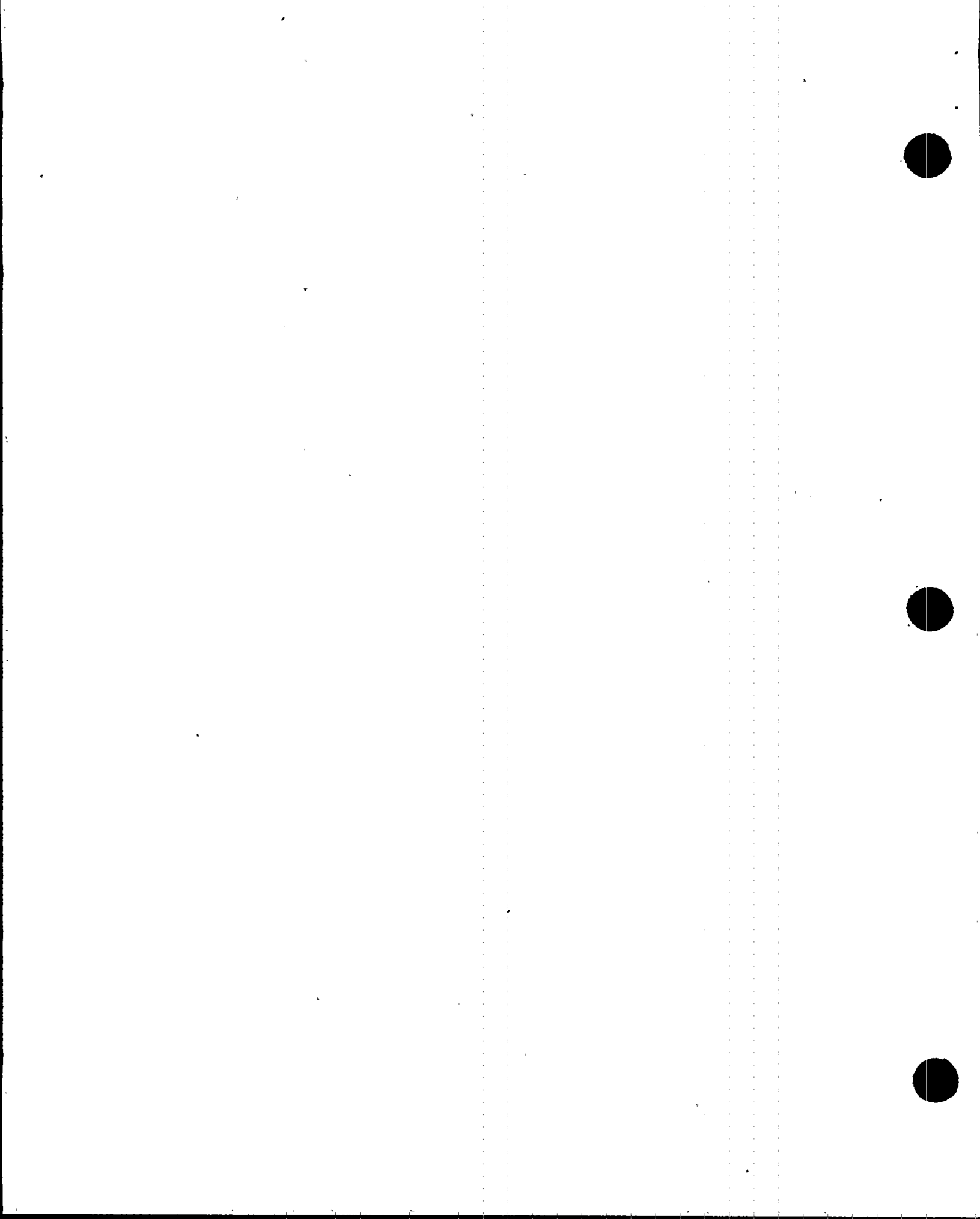
TURKEY POINT ENGINEERING DEPARTMENT

EMERGENCY FEEDWATER AVAILABILITY (18 MONTH CUMULATIVE AVERAGE)



EMERGENCY FEEDWATER AVAILABILITY (18 MONTH CUMULATIVE AVERAGE)







TURKEY POINT ENGINEERING DEPARTMENT

ROD CONTROL SYSTEM ENHANCEMENTS.

◆ SYSTEM EVENT SUMMARY

- OCTOBER 1995 TO MARCH 1997
 - 7 UNIT 3 EVENTS
 - 4 FORCED OUTAGES
 - 3 EVENTS INITIATED BY DROPPED RODS
 - NO UNIT 4 EVENTS
- MAY 1995 THROUGH DECEMBER 1995
 - UNIT 3 ROD CONTROL ROOM A/C DEGRADED
 - AIR HANDLER OBSOLETE AND INACCESSIBLE
- EXTENSIVE INVESTIGATION FOLLOWING EVENTS
 - SYSTEM TESTING CONDUCTED
 - NO COMMON PROBLEMS IDENTIFIED

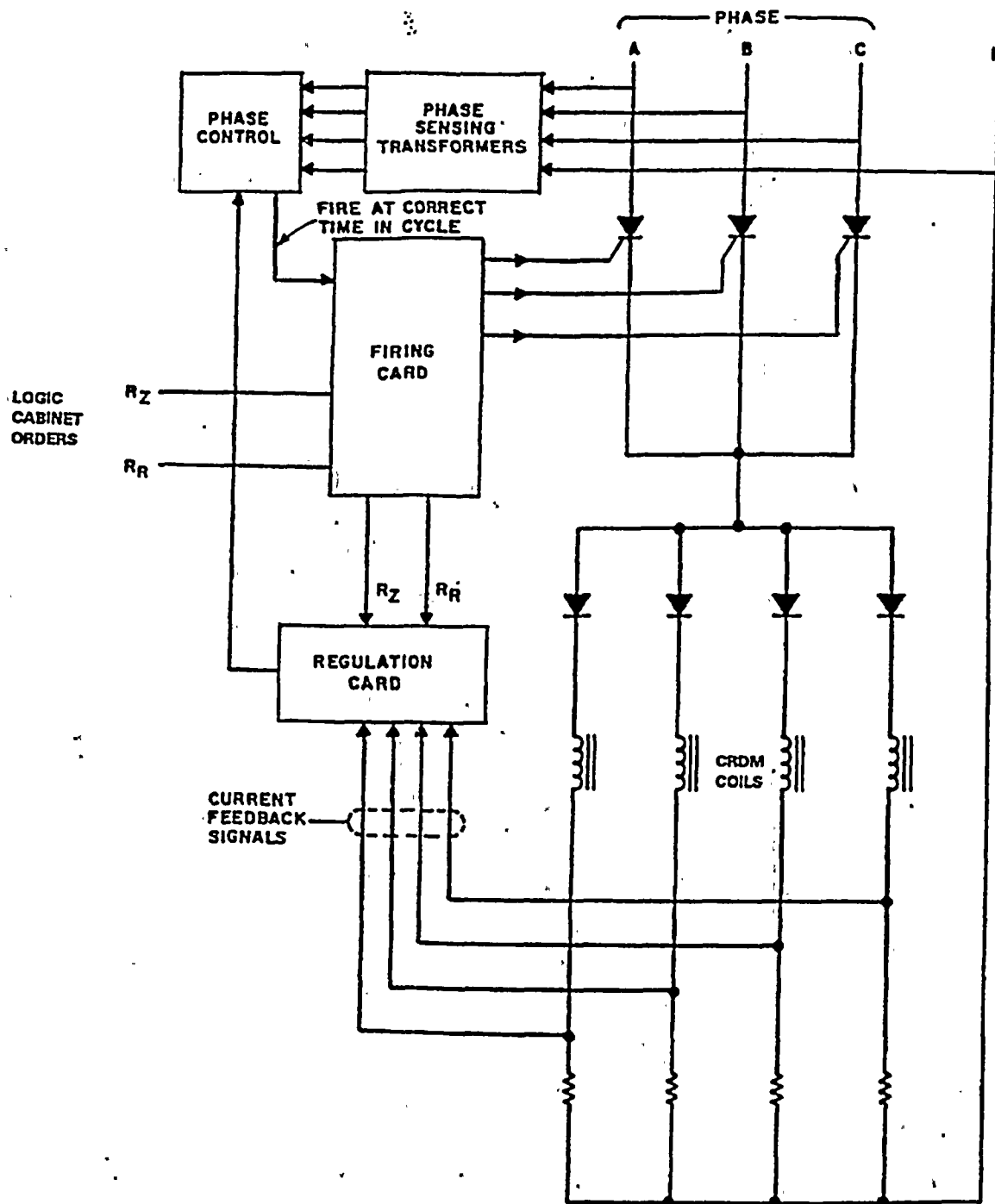
◆ CAUSE

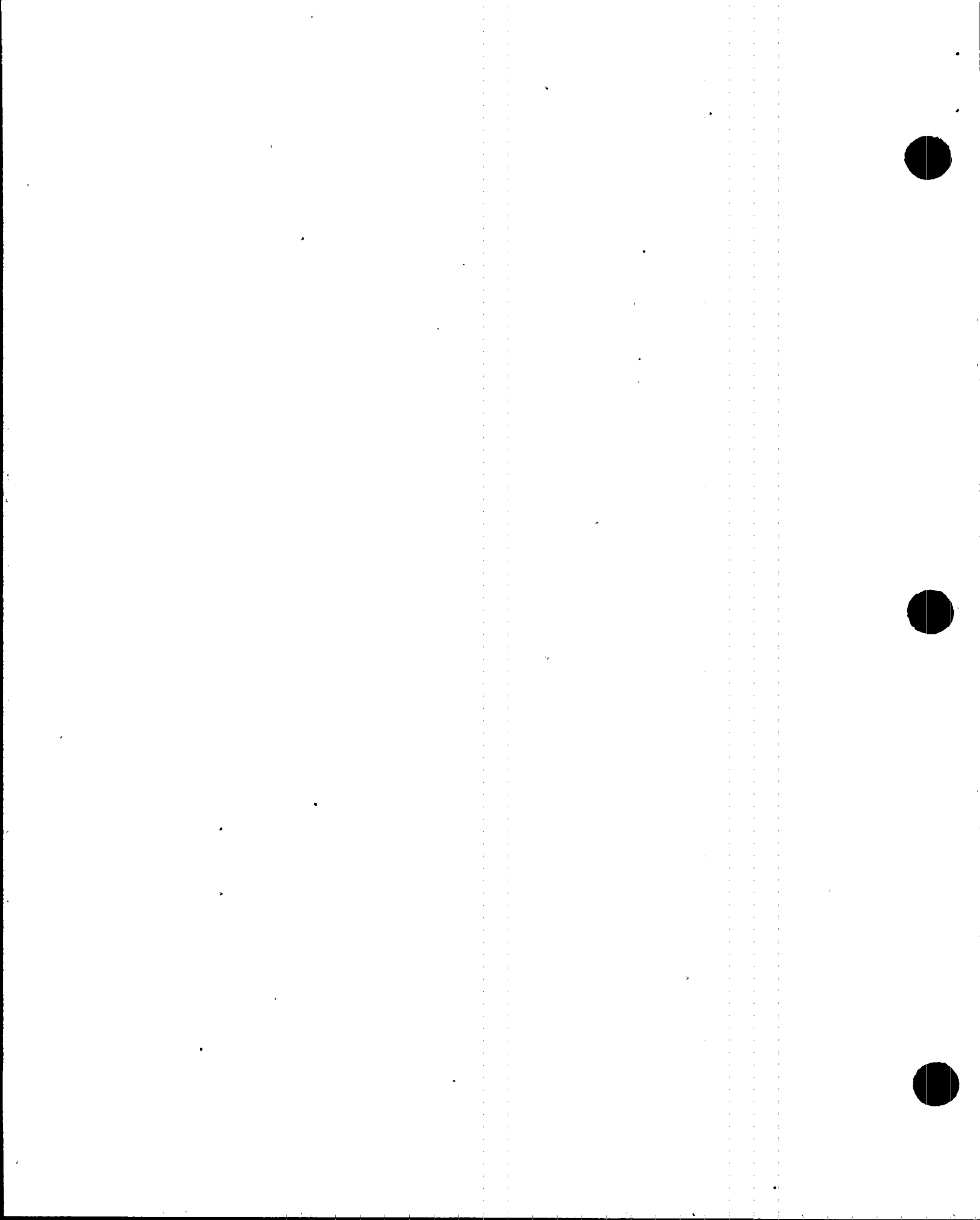
- PRINTED CIRCUIT CARD FAILURES DUE TO HIGHER AMBIENT ROOM TEMPERATURES DURING 1995



TURKEY POINT ENGINEERING DEPARTMENT

SIMPLIFIED ROD CONTROL POWER CIRCUIT







TURKEY POINT ENGINEERING DEPARTMENT

ROD CONTROL SYSTEM ENHANCEMENTS

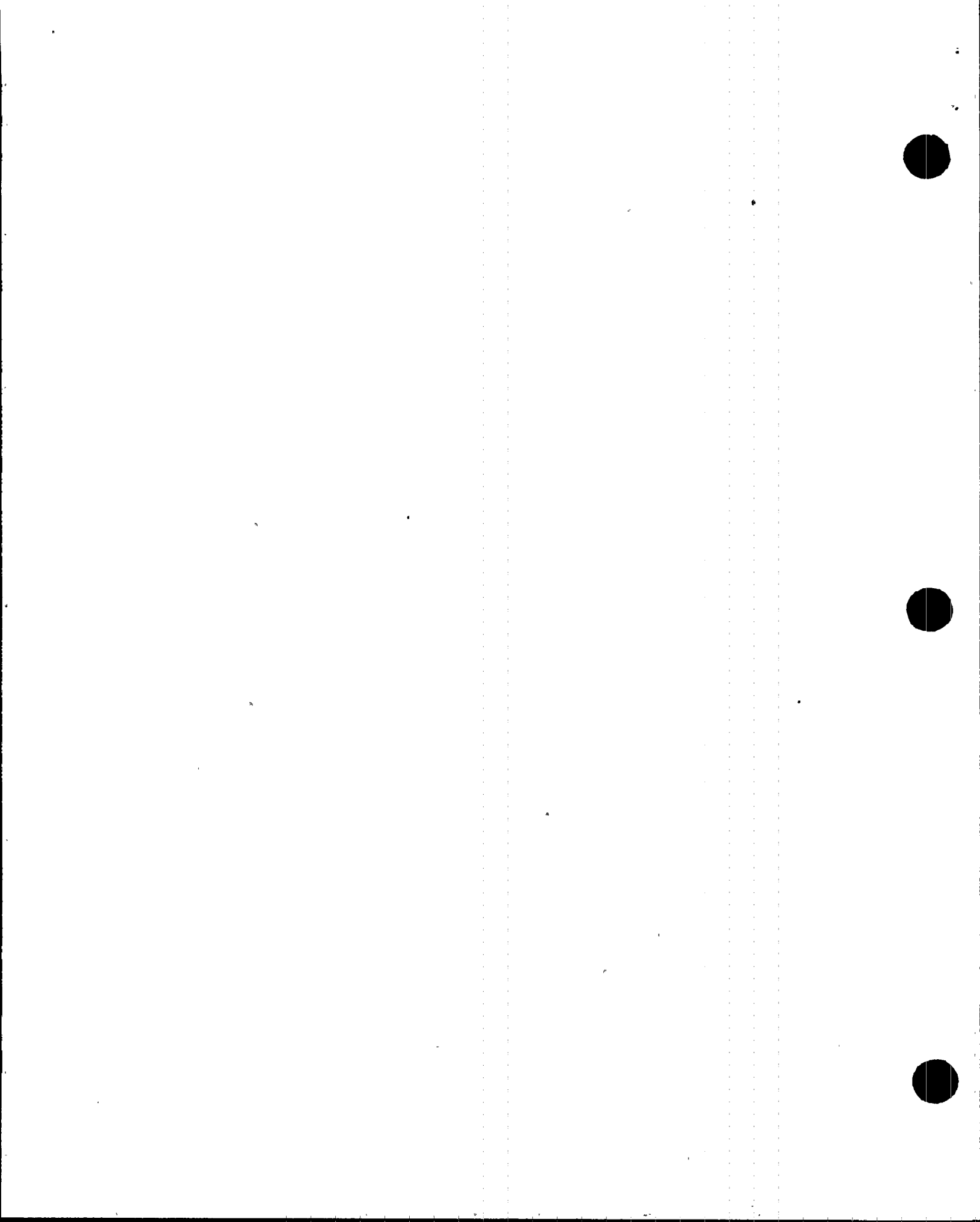
◆ CORRECTIVE ACTIONS

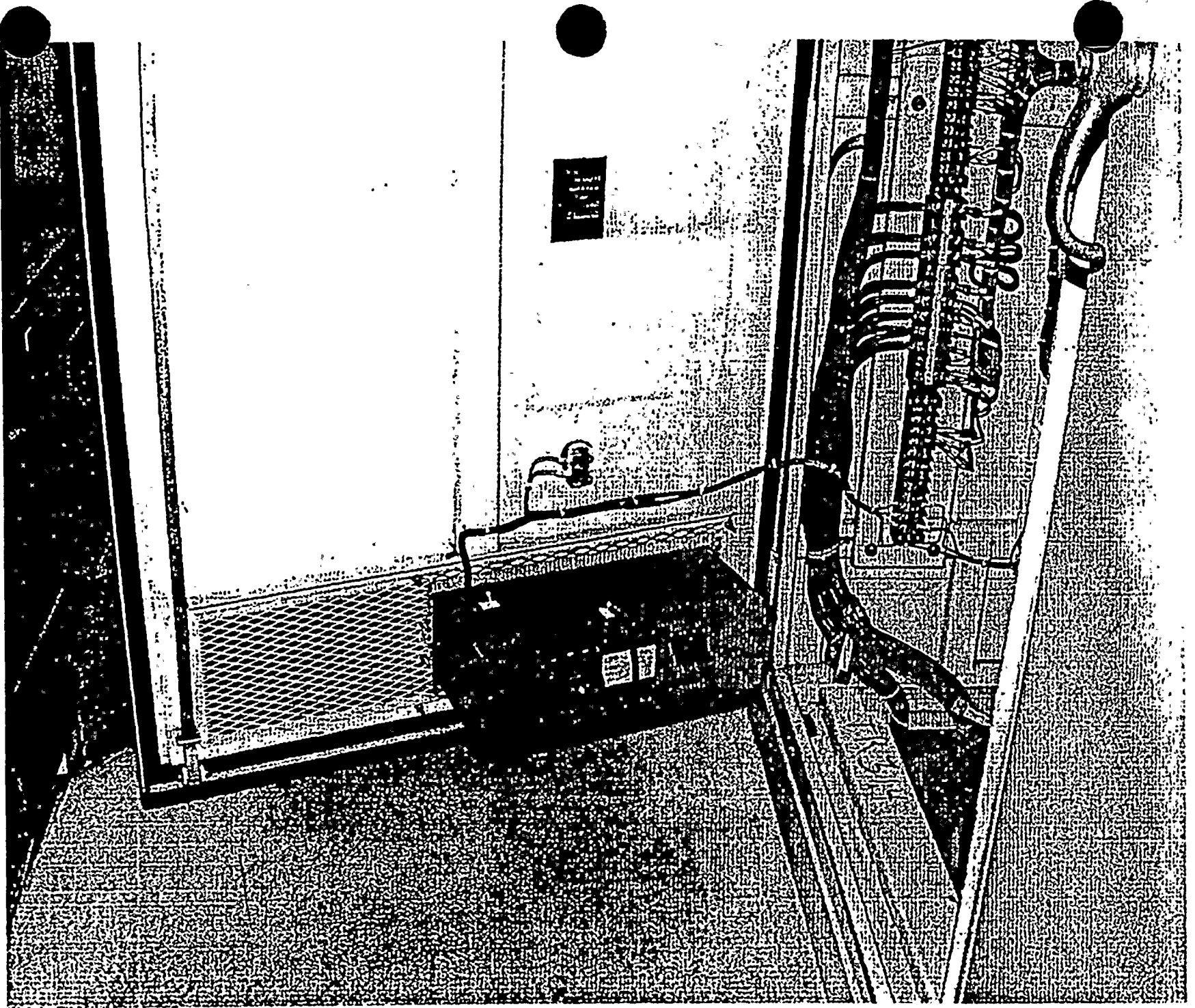
- RESET ROOM TEMPERATURE ALARM FROM 102°F TO 75°F
- ROOM AIR HANDLER REPLACED
- VERIFICATION OF THE ROD CONTROL SYSTEM OPERATION:
 - POWER SUPPLIES
 - LOGIC CABINET TIMING
 - DYNAMIC TESTING
- REPLACED EXISTING FIRING CARDS
- FORCED COOLING ADDED TO POWER CABINETS
- DYNAMIC TESTING AT EXPECTED ELEVATED TEMPERATURES
- REPLACED SELECTED COMPONENTS
- DC HOLD CABINET

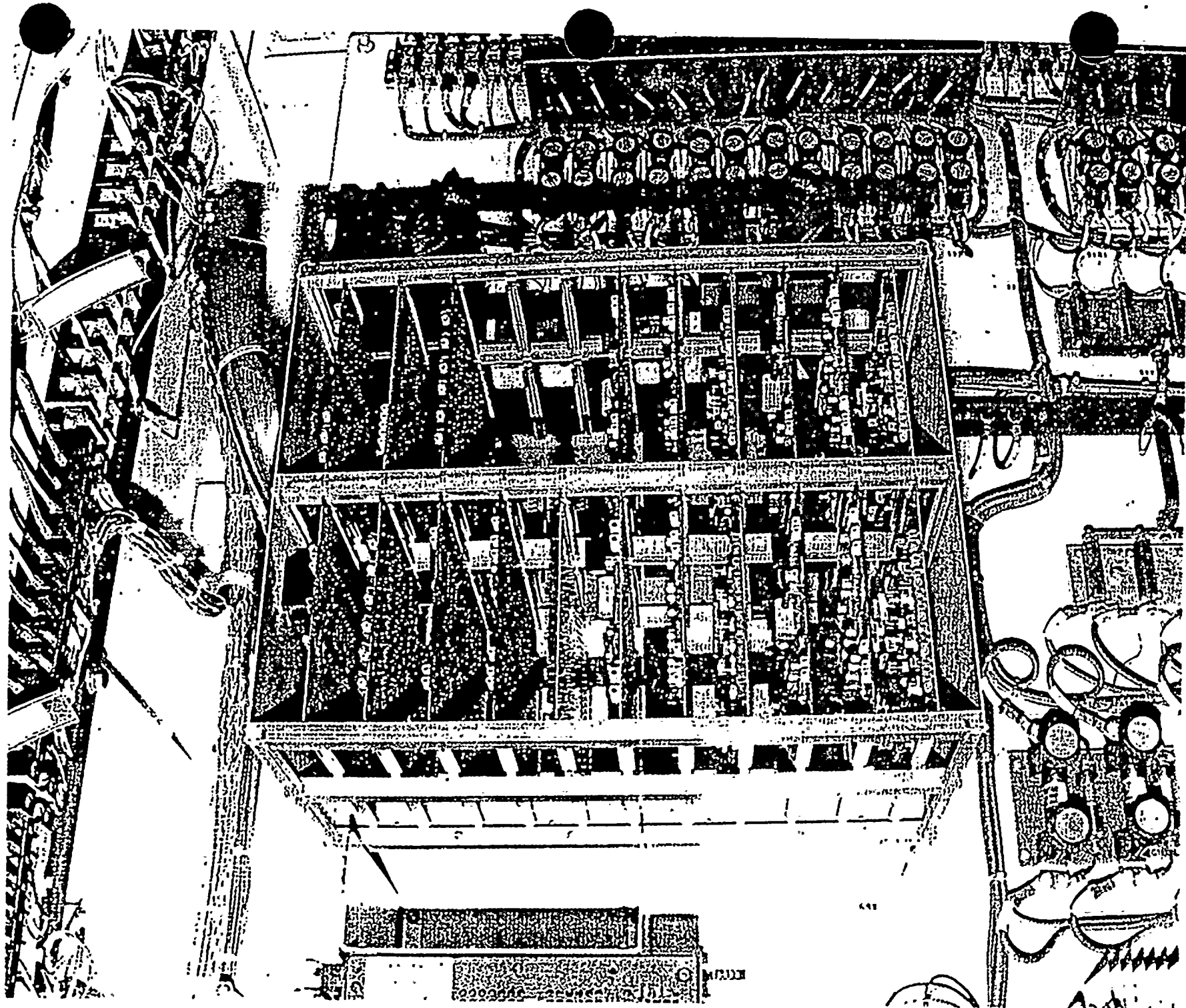
◆ CORRECTIVE ACTIONS COMPLETED ON UNIT 3 IN SPRING 1997 REFUELING OUTAGE

- NO EVENTS SINCE RESTART

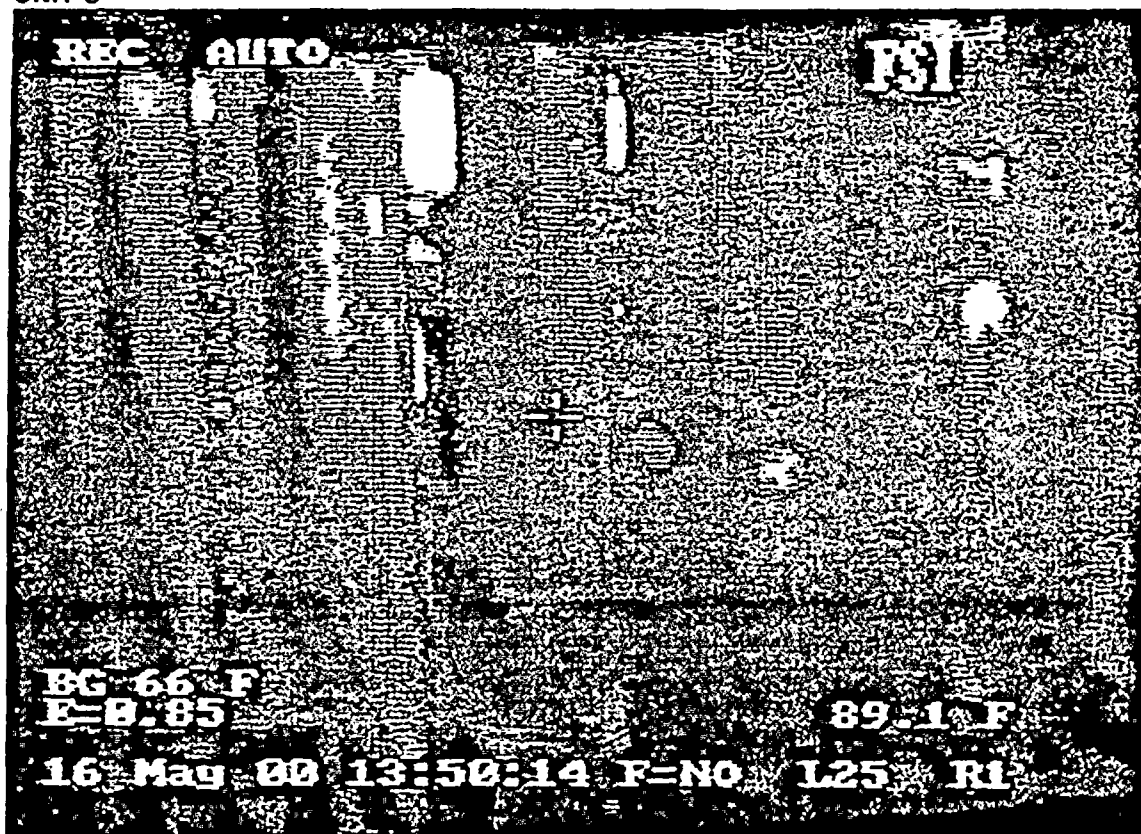
◆ CORRECTIVE ACTIONS PLANNED FOR UNIT 4 1997 FALL OUTAGE





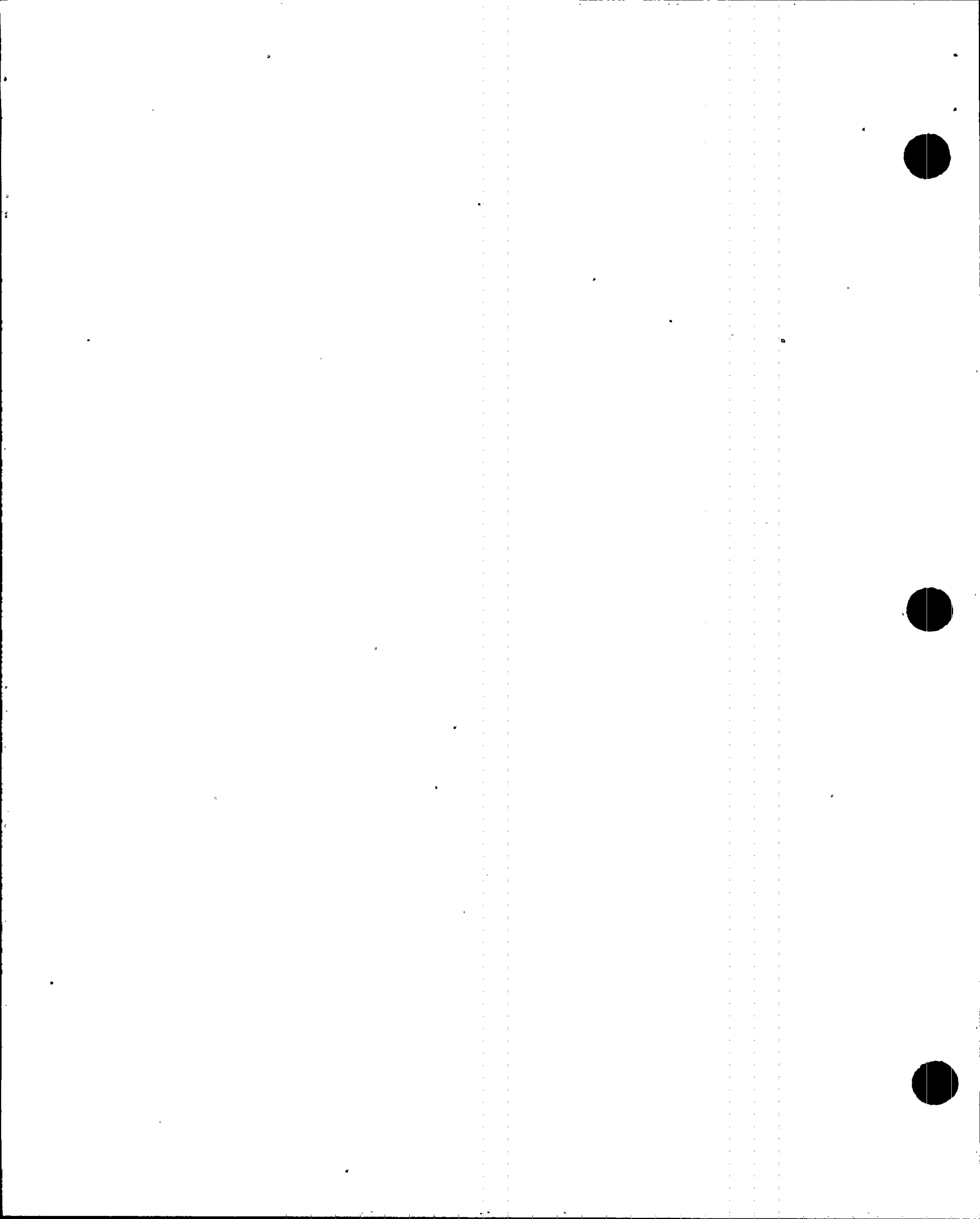


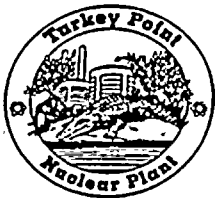
UNIT 3



UNIT 4





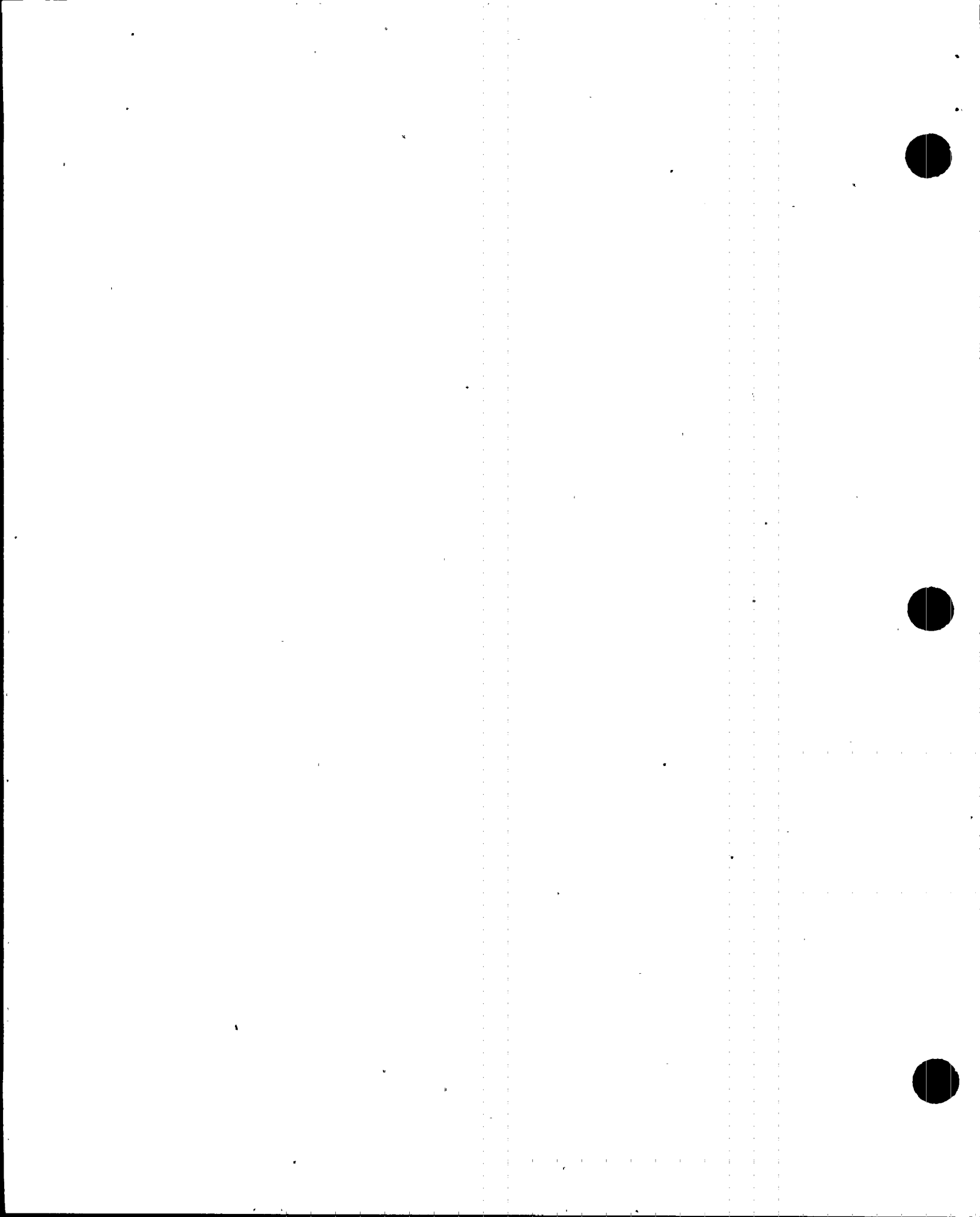


TURKEY POINT ENGINEERING DEPARTMENT

CCW HEAT EXCHANGER IMPROVEMENTS

CCW HEAT EXCHANGER FOULING FACTOR IMPROVEMENT

- ◆ COMPREHENSIVE PERFORMANCE TESTING PROGRAM TO ENSURE CAPABILITY OF REMOVING DESIGN BASIS HEAT LOAD
- ◆ FREQUENT TESTING, TRENDING AND CLEANING OF CCW HEAT EXCHANGERS WAS REQUIRED
 - TESTING AT LEAST WEEKLY
 - CLEANING AT LEAST ONE HEAT EXCHANGER/UNIT WEEKLY
 - CLEANING SIGNIFICANTLY MORE OFTEN DURING SUMMER
- ◆ UPRATING EFFORT TARGETED IMPROVING THE MAXIMUM ALLOWABLE FOULING FACTOR OF CCW HEAT EXCHANGERS
 - MASS & ENERGY RELEASES RECALCULATED
 - CONTAINMENT RESPONSE RECALCULATED
 - CCW THERMAL HYDRAULIC CASES RECALCULATED, HIGHER ALLOWABLE FOULING FACTOR ASSUMED
 - PIPING STRESSES AND SUPPORT LOADS ASSESSED
 - MODIFICATIONS IMPLEMENTED
 - ECC AUTO-START MODIFICATION
 - CCW PIPE SUPPORTS UPGRADE ON UNIT 4
- ◆ CHANGES RESULTED IN SIGNIFICANTLY REDUCED FREQUENCY FOR HEAT EXCHANGER CLEANING
 - REDUCED CLEANING FREQUENCY FROM ONCE PER WEEK TO ONCE EVERY 6 WEEKS
 - REDUCES "WEAR" ON TUBES DUE TO CLEANING
- ◆ OTHER RELATED INITIATIVES
 - IMPROVED TESTING METHOD
 - RETUBED UNIT 3 CCW HEAT EXCHANGERS





TURKEY POINT ENGINEERING DEPARTMENT

PSA AND ON LINE ACTIVITIES

- ◆ PSA TECHNOLOGY USED IN PLANT ON LINE MAINTENANCE
 - RISK SIGNIFICANT EQUIPMENT/COMPONENT LIST
 - MULTIPLE COMPONENT MATRIX
 - GUIDELINES FOR WHEN PSA SHOULD BE USED
 - ON LINE MONITOR IN TRIAL USE

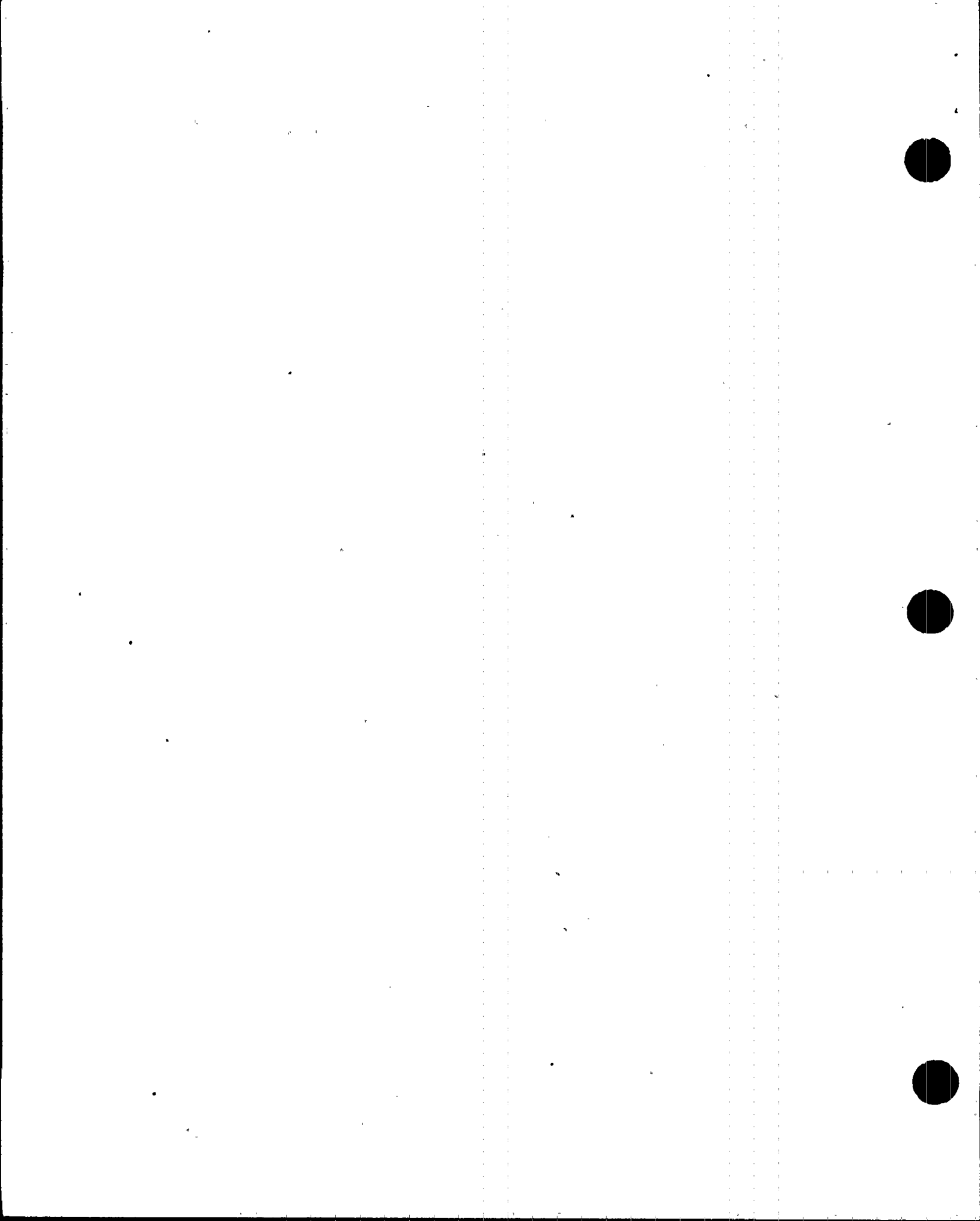
Procedure No.: O-ADM-210	Procedure Title: On-Line Maintenance/ Work Coordination	Page: 34 Approval Date: 1/14/97
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ATTACHMENT 5 (Page 1 of 3)

RISK SIGNIFICANT EQUIPMENT LIST

The following Technical Specification components have each been evaluated as not exceeding PSA risk limits when removed from service individually for a duration of up to the following times for Mode 1 operations.

Component/Train	Allowed OOS Time
Accumulator A	4 hrs
Accumulator B	4 hrs
Accumulator C	4 hrs
AFW Pump A (2 Trains aligned)	30 days
AFW Pump B (2 Trains aligned)	30 days
AFW Pump C (2 Trains aligned)	30 days
AFW Train 1	72 hrs
AFW Train 2	72 hrs
Boric Acid-BAST to Charging	72 hrs
CCW Pump A	30 days
CCW Pump B	30 days
CCW Pump C	30 days
Containment Spray Pump A	72 hrs
Containment Spray Pump B	72 hrs
ECC A	72 hrs
ECC B	72 hrs
ECC C	72 hrs
EDG A	72 hrs
EDG B	72 hrs
Opposite Unit EDG A	72 hrs
Opposite Unit EDG B	72 hrs





TURKEY POINT ENGINEERING DEPARTMENT

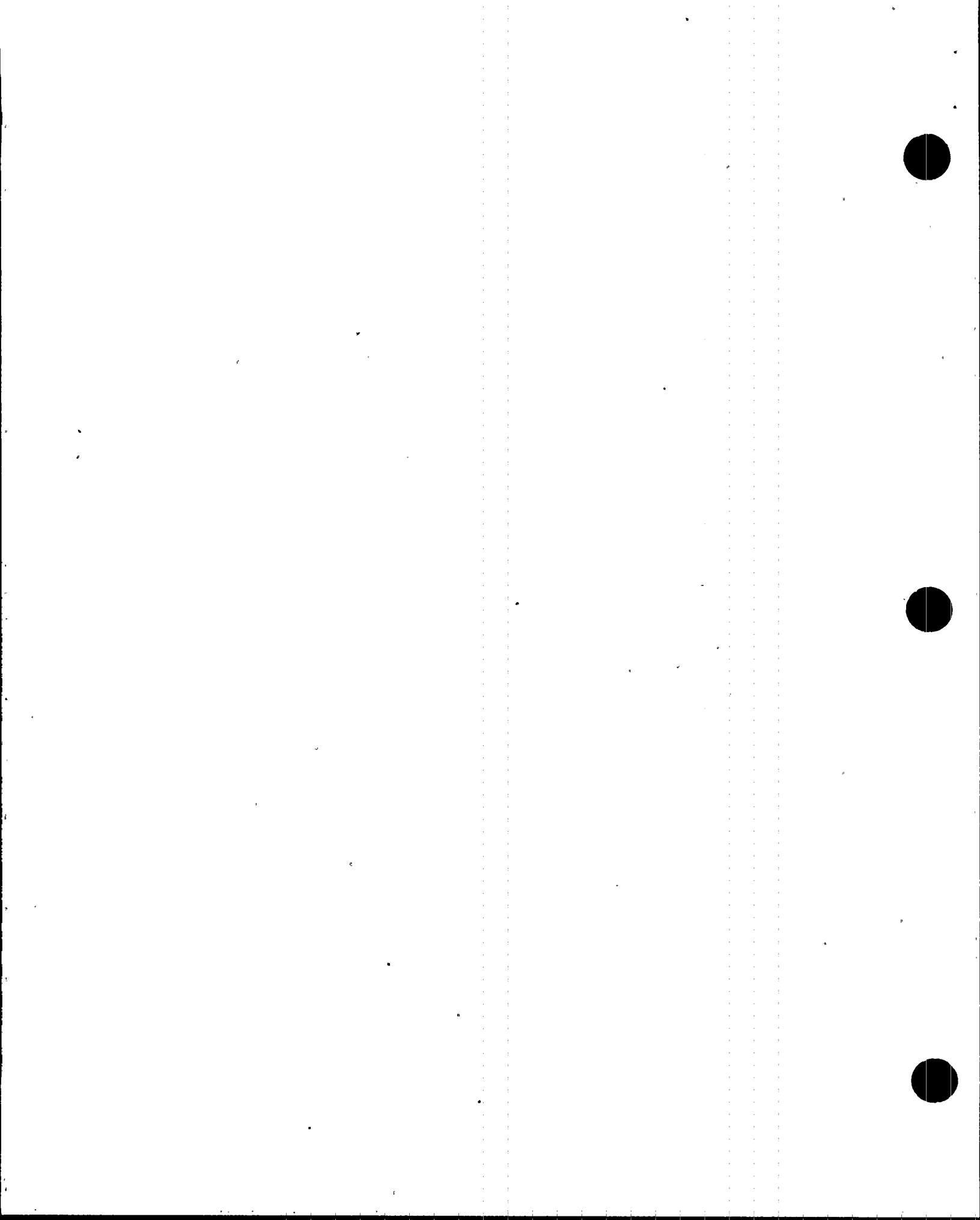
PSA AND ON LINE ACTIVITIES

Procedure No.: 0-ADM-210	Procedure Title: On-Line Maintenance/ Work Coordination	Page: 37 Approval Date: 1/14/97
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ATTACHMENT 6 (Page 1 of 8) DUAL COMPONENTS ON-LINE MAINTENANCE MATRIX

This Table represents combinations of 2 components which are removed from service simultaneously for maintenance for 72 hours duration. Cells containing XXXX are combinations of 2 components which when both removed from service simultaneously may be non prohibitive and require prior risk evaluation by PRAAG. Cells which are empty represent combinations of 2 components which when both removed from service simultaneously for up to 72 hours are pre-evaluated as not risk significant and do not require prior risk evaluation. The shaded areas of this table are not to be used.

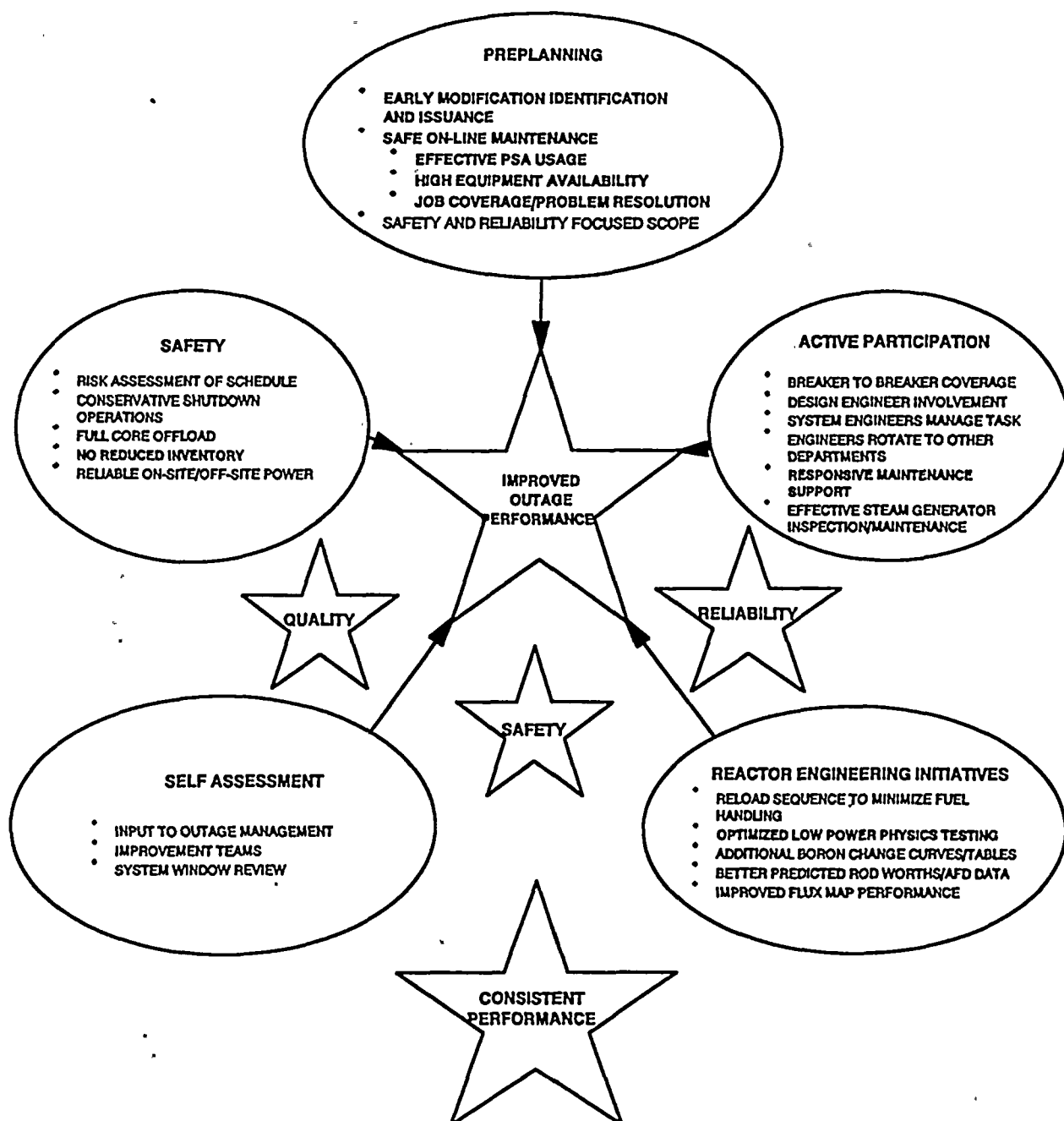
	DC Equip. Pwr. AC Unit 578	Accumulator A	Accumulator B	Accumulator C	AFW FCV N2 B/U TRN. 2	AFW Pump A (2 Trains Aligned)	AFW Pump B (2 Trains Aligned)	AFW Pump C (2 Trains Aligned)	AFW Train 1	AFW Train 2
DC Equip. Pwr. AC Unit 578	XXXX									
Accumulator A	XXXX	XXXX								
Accumulator B	XXXX	XXXX	XXXX							
Accumulator C	XXXX	XXXX	XXXX	XXXX						
AFW FCV N2 B/U TRN. 2	XXXX	XXXX	XXXX	XXXX	XXXX					
AFW Pump A (2 Trains Aligned)		XXXX	XXXX	XXXX	XXXX	XXXX				
AFW Pump B (2 Trains Aligned)		XXXX	XXXX	XXXX		XXXX	XXXX			
AFW Pump C (2 Trains Aligned)		XXXX	XXXX	XXXX			XXXX	XXXX		
AFW Train 1	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	
AFW Train 2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Aux Building Exhaust Fan VBA	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Aux Building Exhaust Fan VBB	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Batter Anti-BAST to Charging		XXXX	XXXX	XXXX						
CCW HX A		XXXX	XXXX	XXXX						
CCW HX B		XXXX	XXXX	XXXX						
CCW HX C			XXXX	XXXX						
CCW Pump A		XXXX	XXXX	XXXX						
CCW Pump B		XXXX	XXXX	XXXX						
CCW Pump C		XXXX	XXXX	XXXX						
Charging Pump A		XXXX	XXXX	XXXX						
Charging Pump B		XXXX	XXXX	XXXX						
Charging Pump C		XXXX	XXXX	XXXX						
Cond. Screw Pn. A		XXXX	XXXX	XXXX						
Cond. Screw Pn. B		XXXX	XXXX	XXXX						
D-Bus Cross-Tie	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
EDG A	XXXX	XXXX	XXXX	XXXX	XXXX					
EDG B	XXXX	XXXX	XXXX	XXXX	XXXX					
Opposed Line A EOG		XXXX	XXXX	XXXX	XXXX					
Opposed Line B EOG		XXXX	XXXX	XXXX	XXXX					
Emergency Cond. Cooler A		XXXX	XXXX	XXXX						
Emergency Cond. Cooler B		XXXX	XXXX	XXXX						
Emergency Cond. Cooler C		XXXX	XXXX	XXXX						
HWH Pump A		XXXX	XXXX	XXXX						
HWH Pump B		XXXX	XXXX	XXXX						
Opposed Line A HWH Pp		XXXX	XXXX	XXXX						
Opposed Line B HWH Pp		XXXX	XXXX	XXXX						
KOW Pump A		XXXX	XXXX	XXXX						
KOW Pump B		XXXX	XXXX	XXXX						
KOW Pump C		XXXX	XXXX	XXXX						
KOW/CCW Backstr. Strainer A		XXXX	XXXX	XXXX						
KOW/CCW Backstr. Strainer B		XXXX	XXXX	XXXX						
Isolation Air Cross-Tie		XXXX	XXXX	XXXX						
IA Compressor CD	XXXX	XXXX	XXXX	XXXX	XXXX					
Onb Line CD IA Compressor	XXXX	XXXX	XXXX	XXXX	XXXX					
MOV-1AAA		XXXX	XXXX	XXXX						
MOV-1ABR		XXXX	XXXX	XXXX						
MOV-1ABA		XXXX	XXXX	XXXX						
MOV-1ABR		XXXX	XXXX	XXXX						
MOV-453A	XXXX	XXXX	XXXX	XXXX						
MOV-453B	XXXX	XXXX	XXXX	XXXX						
MOV-453C		XXXX	XXXX	XXXX						
MOV-453D		XXXX	XXXX	XXXX						
MOV-453E		XXXX	XXXX	XXXX						
MOV-453F		XXXX	XXXX	XXXX						
MOV-453G		XXXX	XXXX	XXXX						
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MOV-453I		XXXX	XXXX	XXXX						
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MOV-458J										

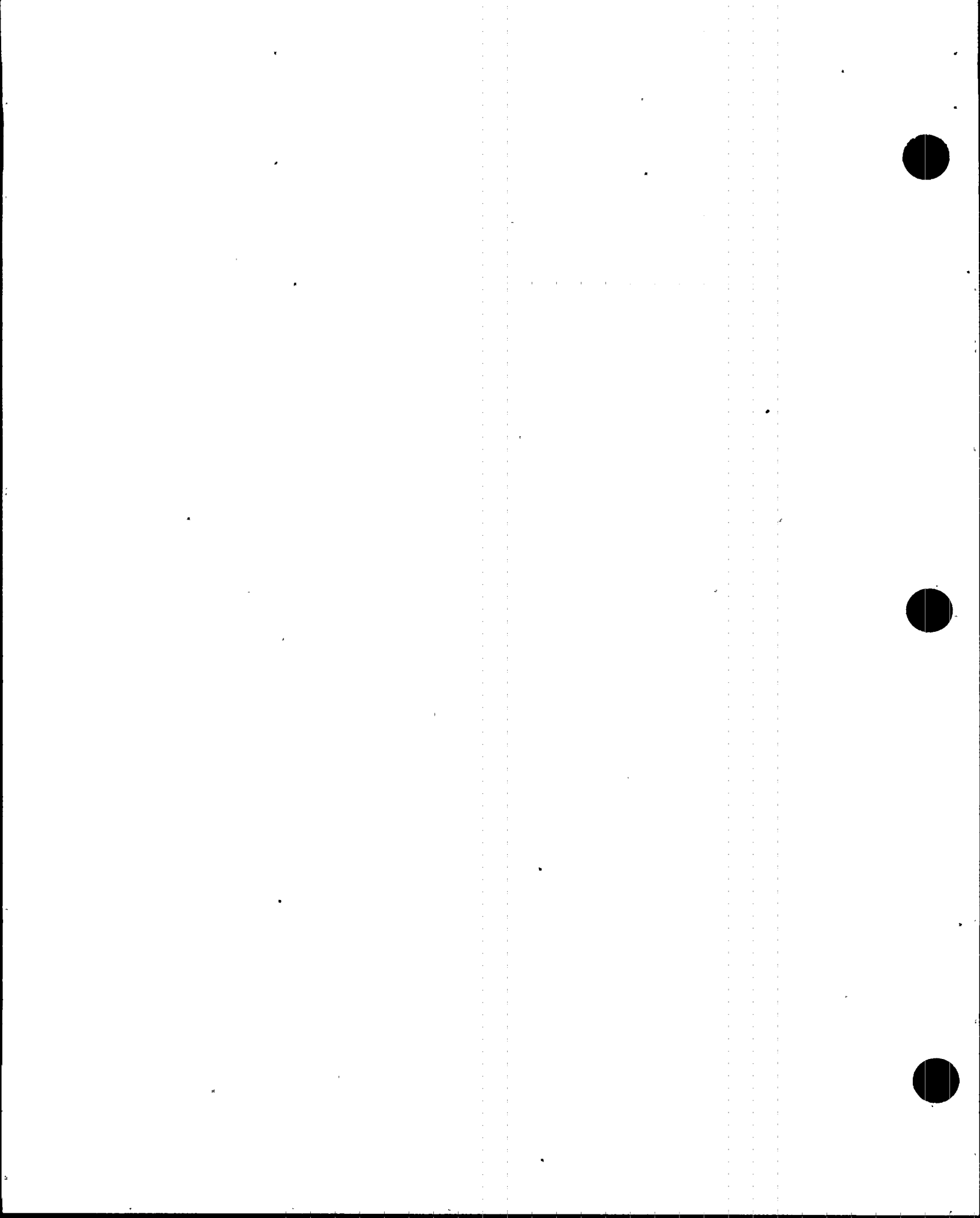




TURKEY POINT ENGINEERING DEPARTMENT

OUTAGE SUPPORT







TURKEY POINT ENGINEERING DEPARTMENT

50.54(f) RESPONSE, DESIGN BASIS AND FSAR REVIEW

◆ 50.54(f) REQUESTED

- ADEQUACY OF DESIGN BASIS INFORMATION
- AVAILABILITY AND CONTROL OF DESIGN BASIS INFORMATION

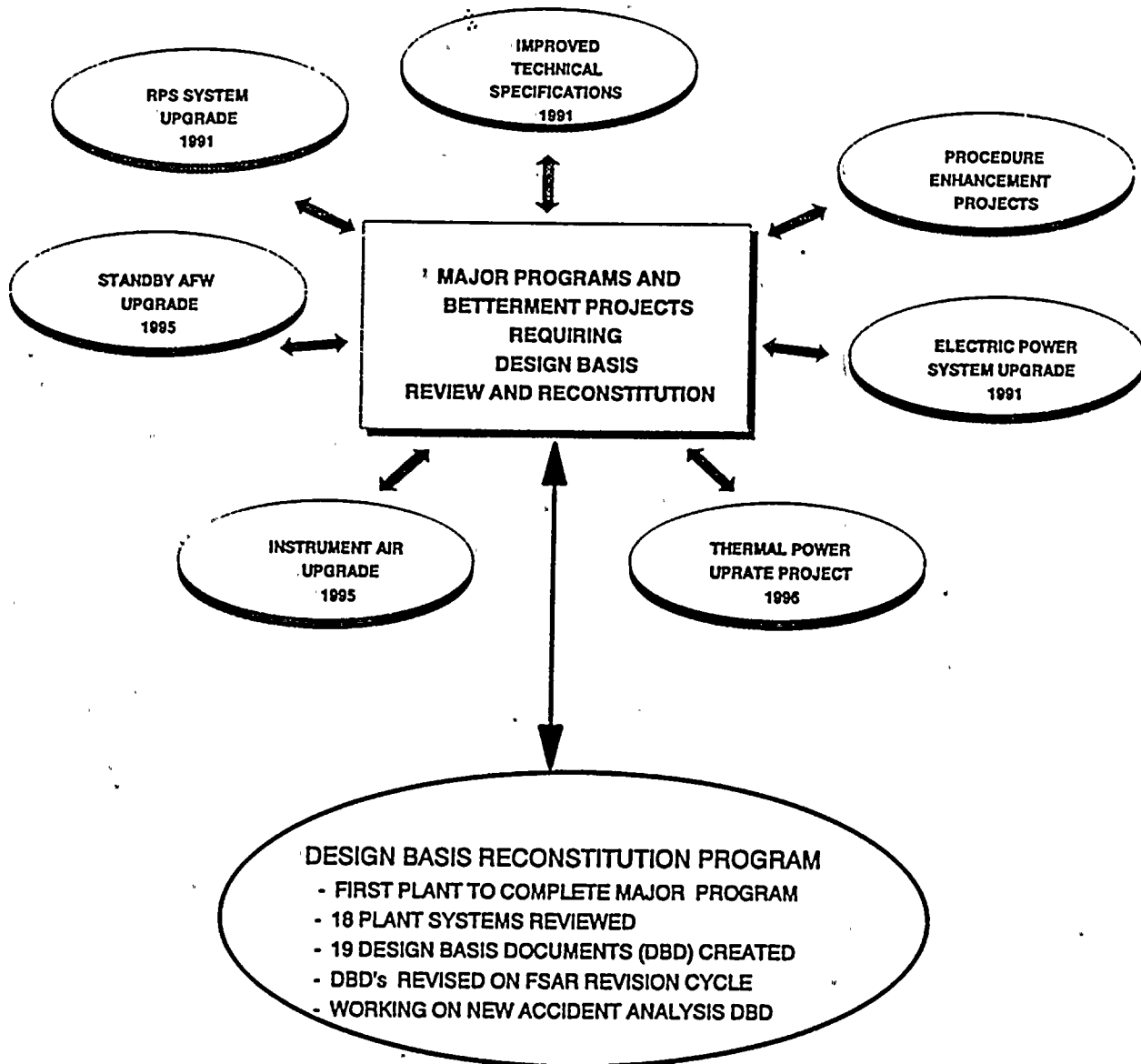
◆ OVERVIEW OF PTN 50.54(f) RESPONSE

- DESCRIBED THE FPL/PTN CONFIGURATION MANAGEMENT PROCESSES
- DESCRIBED FPL PROGRAMS AND INITIATIVES
- FOCUSED ON MAJOR PROGRAMS AND PLANT BETTERMENT PROJECTS SINCE 1985
 - IMPROVED CONTROL PROCEDURES FOR DESIGN BASIS INFORMATION
 - IMPROVED QUALITY OF DESIGN BASIS INFORMATION



TURKEY POINT ENGINEERING DEPARTMENT

50.54(f) RESPONSE, DESIGN BASIS FSAR REVIEW





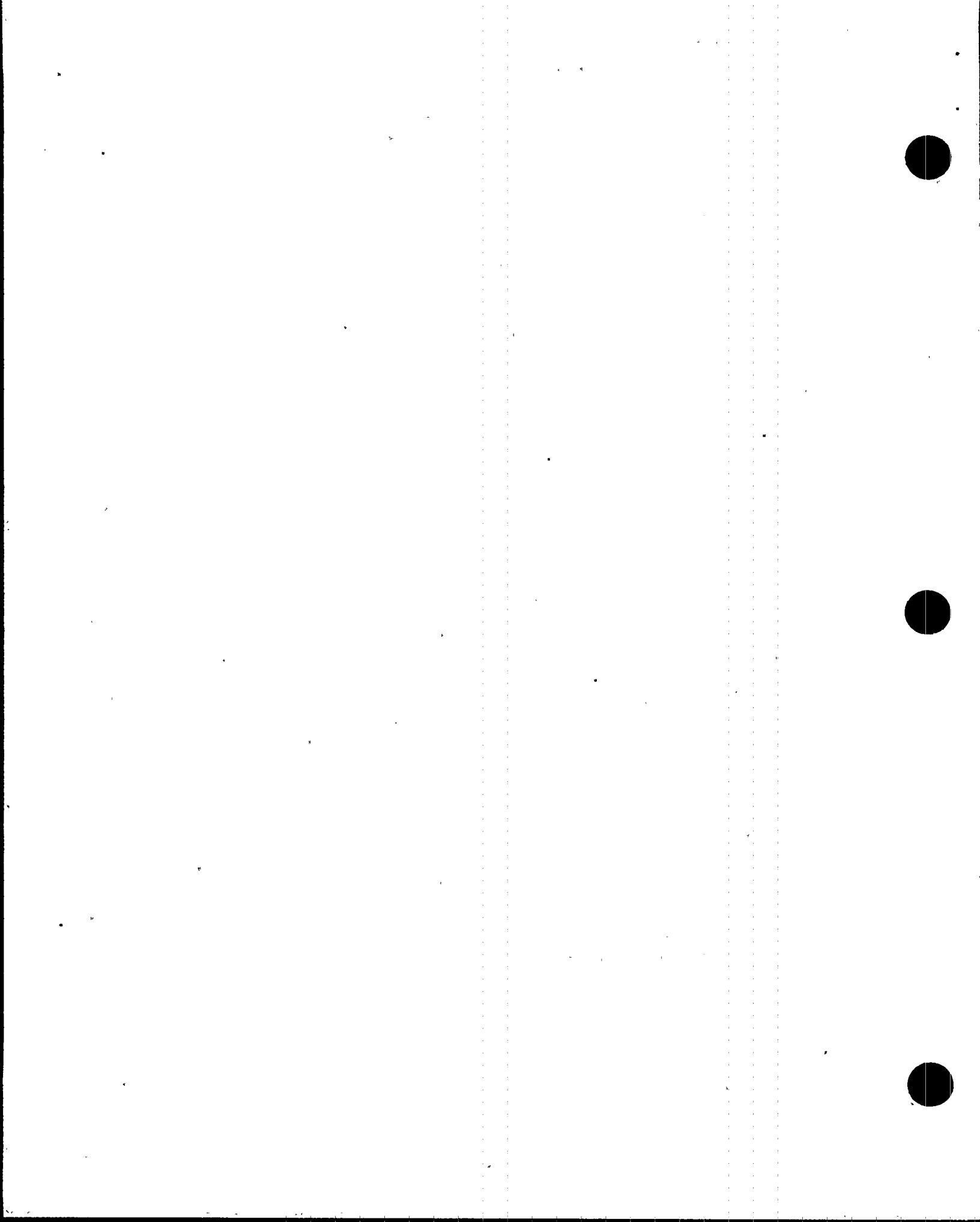


TURKEY POINT ENGINEERING DEPARTMENT

50.54(f) RESPONSE, DESIGN BASIS FSAR REVIEW

50.54(f) FSAR REVIEW COMMITMENT

- ◆ **FSAR SELF ASSESSMENTS AND NEI 96-06 REVIEW COMPLETED AT PTN**
 - SELF ASSESSMENT (3/96)
 - FSAR OPERATIONAL REVIEW (1994 - 1996)
 - NEI REVIEW (3/97)
- ◆ **RESULTS**
 - NO SAFETY SIGNIFICANT DESIGN BASIS ISSUES IDENTIFIED
 - FSAR ADMINISTRATIVE AND INCONSISTENCY CHANGES IDENTIFIED AND RESOLVED BY RECENT FSAR REVISIONS
- ◆ **COMPLETE A "GRADED" FSAR REVIEW**
 - REVIEW PRIORITIZED RISK SIGNIFICANCE
 - LEVEL OF REVIEW GRADED TO CONSIDER COMPLETED PROGRAMS
 - COMPLETED DESIGN BASIS PROGRAMS
 - RECENT PLANT BETTERMENT PROJECTS
 - WILL USE FPL INHOUSE RESOURCES
 - DESIGN AND SYSTEM ENGINEERS
 - OTHER PLANT DEPARTMENTS AS REQUIRED
 - COMPLETE REVIEW BY 10/98
 - COMPUTER NETWORK FOR USERS
 - IMPROVED SEARCH CAPABILITY
 - PLANT PROCEDURES ON LAN





TURKEY POINT ENGINEERING DEPARTMENT

FPL COMMENTS ON DRAFT NUREG - 1606

PROPOSED REGULATORY GUIDANCE RELATED TO IMPLEMENTATION OF 10CFR50.59

◆ GENERAL COMMENTS AND CONCERNS

- NEED TO WORK WITH INDUSTRY TO DEFINE COMPLIANCE VIA NEI 96-07
- IMPORTANT THAT NRC/INDUSTRY RESOLVE ISSUES PRIOR TO IMPLEMENTING NEW REQUIREMENTS AND PROCEDURES

◆ DEFINITION OF "CHANGE" TO INCLUDE ANY INFORMATION IN THE FSAR

- WOULD REQUIRE ADDITIONAL 50.59 SAFETY EVALUATIONS
- NOT CONSISTENT WITH PAST PRACTICE

◆ COMPONENT REPLACEMENT DURING ROUTINE MAINTENANCE

- EQUIVALENT BUT NOT IDENTICAL COMPONENT VS DRAFT NUREG 1606 EXPANDED DEFINITION OF "MALFUNCTION OF A DIFFERENT TYPE"
- NEED TO DEFINE NEW FAILURE MODES AT THE SYSTEM OR FUNCTIONAL LEVEL
- ROUTINE COMPONENT REPLACEMENTS COULD INVOLVE USQs

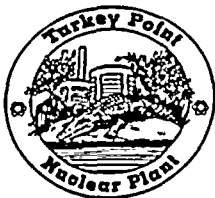
◆ USE OF MANUAL ACTIONS

- COULD RESULT IN ADDITIONAL PLANT SHUT DOWN TRANSIENTS
- NOT CONSISTENT WITH PAST INDUSTRY PRACTICE

◆ APPLICATION OF 50.59 TO DEGRADED AND NONCONFORMING CONDITIONS

- TS AND OPERABILITY EVALUATIONS ADDRESS DEGRADED CONDITIONS
- PLANT RESTARTS COULD BE PROHIBITED





TURKEY POINT ENGINEERING DEPARTMENT

NEW AND REVISED SOFTWARE ISSUED BY DESIGN ENGINEERING (QUALITY INSTRUCTION 3.7 COMPUTER SOFTWARE CONTROL)

NON-PROCESS SOFTWARE
PROCESS SOFTWARE

PROCESS SOFTWARE (NEW)

- IMPLEMENTED BY FORMAL PLANT CHANGE PROCESS
- REQUIREMENTS SPECIFICATION PREPARED
- SOFTWARE DESIGN DESCRIPTION
- V&V PLAN PREPARED
 - USE GUIDANCE OF IEEE STD 1012
 - VERIFICATION REQUIREMENTS
 - TEST PLAN
 - PERIODIC VALIDATION REQUIREMENTS
- SOFTWARE VERIFICATION REPORT
- INDEPENDENT REVIEW

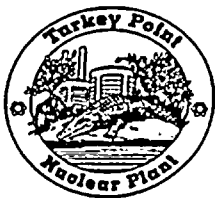
PROCESS SOFTWARE (PRE-EXISTING)

- IMPLEMENTED BY FORMAL PLANT CHANGE PROCESS
- ORIGINAL V&V REQUIREMENT AS MINIMUM
- ADDITIONAL V&V REQUIREMENTS ON VENDOR
- ADDITIONAL BLACK BOX TESTING ON RECEIPT FROM VENDOR
 - USE OF TRAINING SIMULATOR
- INDEPENDENT REVIEW

PROCESS SOFTWARE

- IMPLEMENTATION TESTING
- CONTROL AND STORAGE PROCEDURES



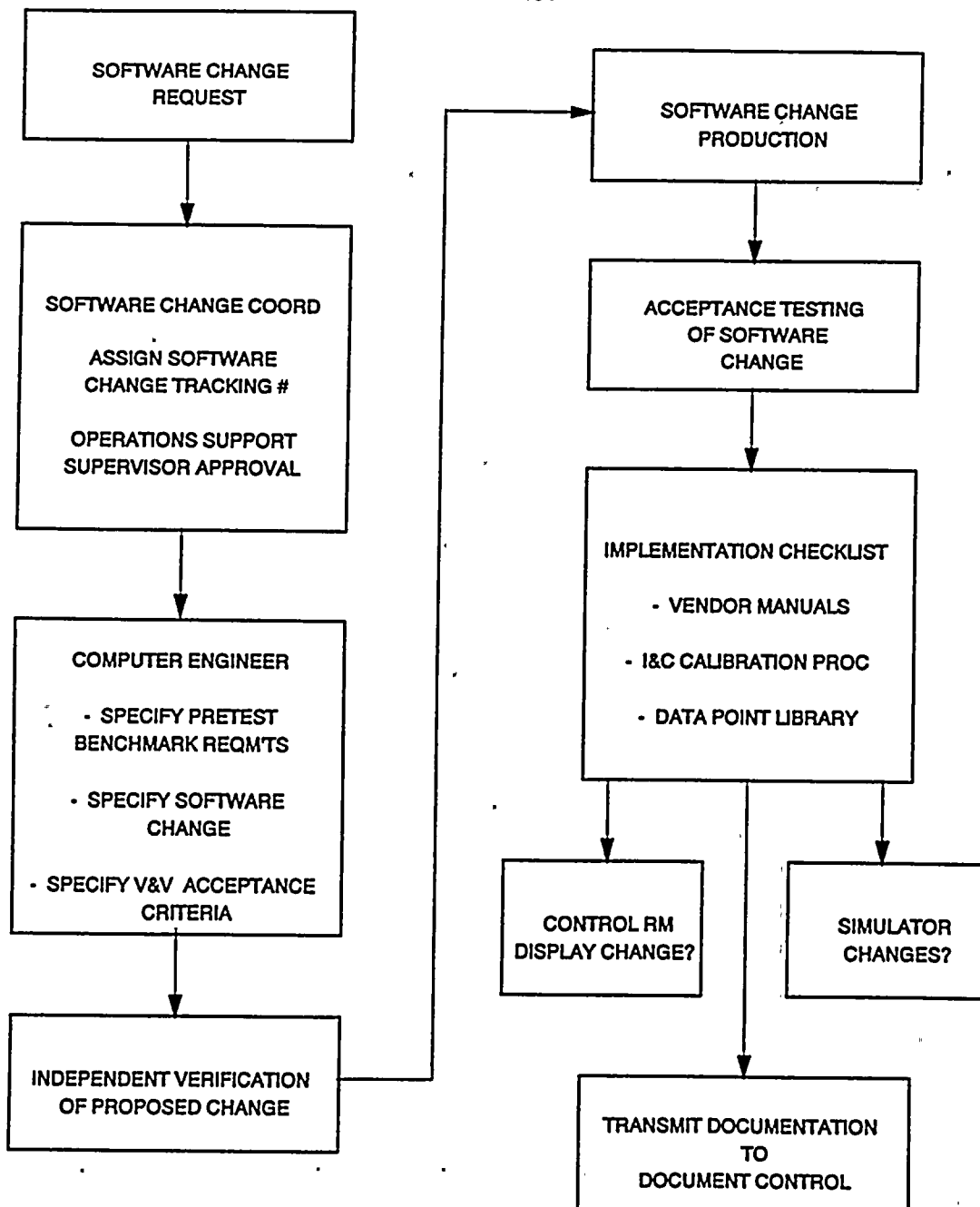


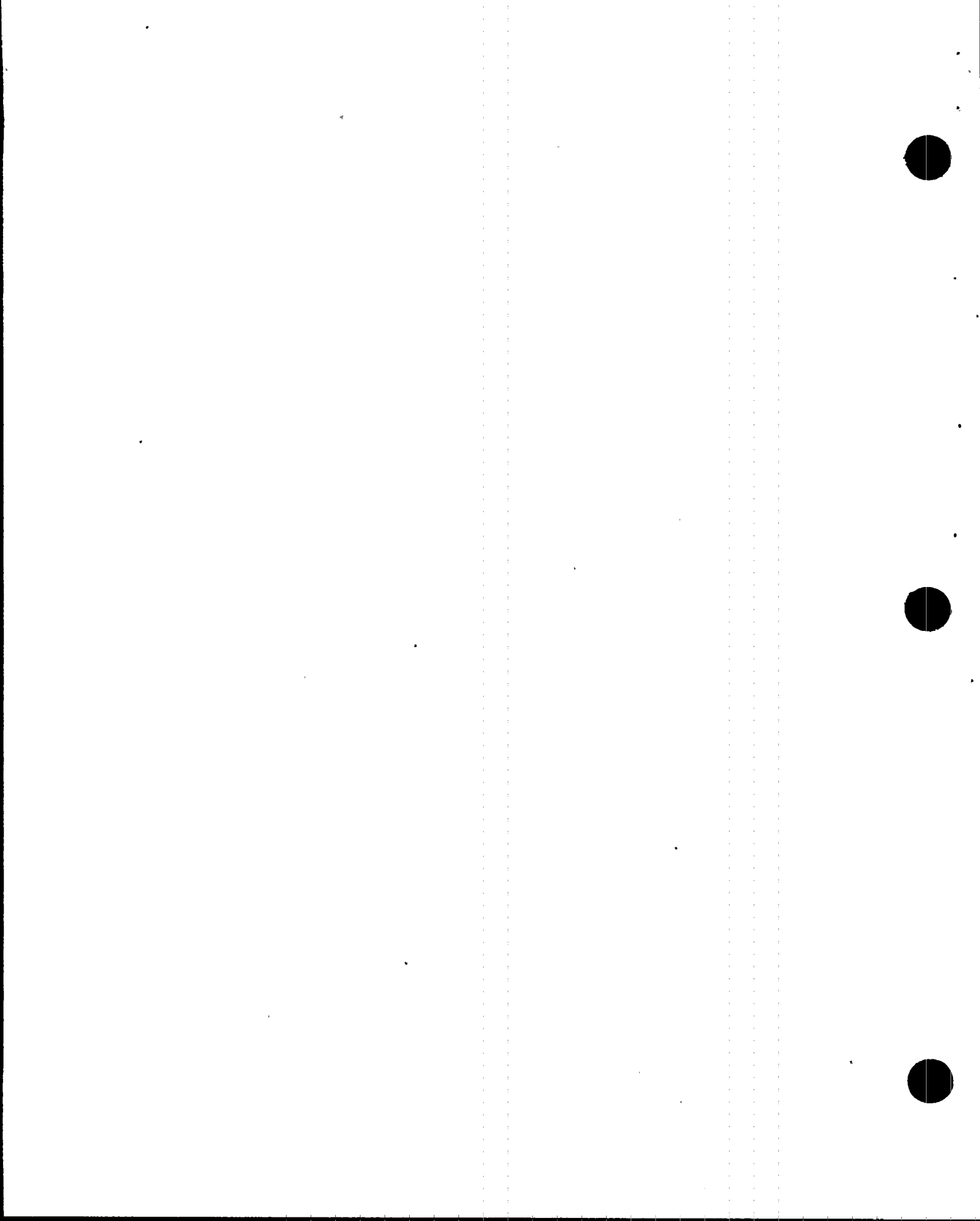
TURKEY POINT ENGINEERING DEPARTMENT

DDPS / ERDADS SOFTWARE CONTROL

(NON-PROCESS SOFTWARE)

0-ADM-401







TURKEY POINT ENGINEERING DEPARTMENT

PLANT SAFETY / RELIABILITY IMPROVEMENTS

**CONTINUE TO IMPLEMENT MODIFICATIONS
TO IMPROVE EQUIPMENT RELIABILITY**

- AGGRESSIVE ROOT CAUSE ANALYSIS
- AGGRESSIVE MANAGEMENT CONTROL
OF MODIFICATION PROCESS

INDICATIONS OF SUCCESS

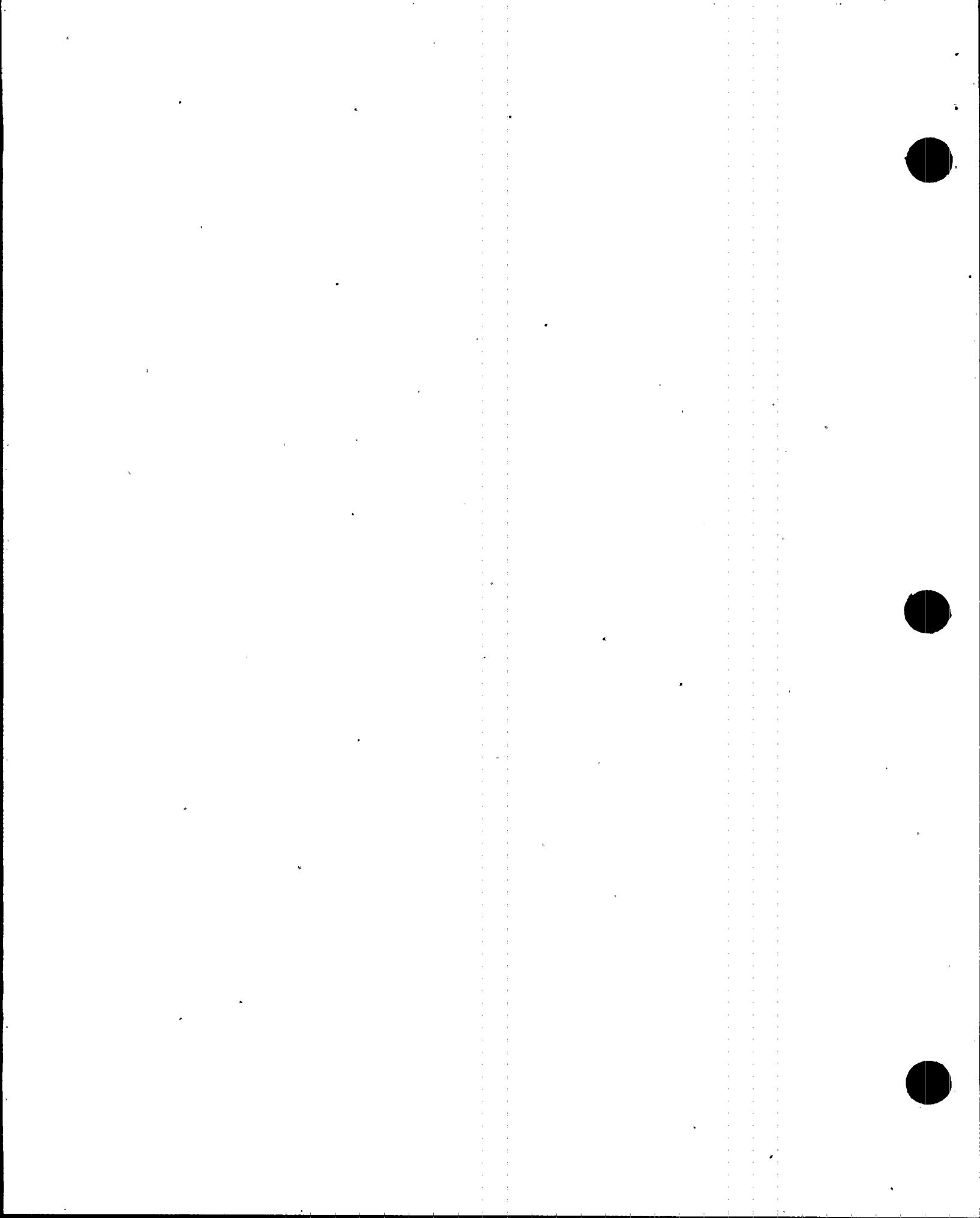


- REDUCED OPERATOR WORK AROUNDS
- LOW NUMBER OF CONTROL ROOM DEFICIENCIES
- REDUCED NUMBER OF SECONDARY LEAKS
- EXCELLENT PLANT AVAILABILITY

**REACTOR HEAD GUIDE
FUNNEL MODIFICATIONS**

SPECIFIC IMPROVEMENTS

- REACTOR PROTECTION RELAY DESIGN
IMPROVEMENTS
- ROD CONTROL IMPROVEMENTS
 - POWER SUPPLIES
 - FORCED COOLING
 - FIRING CARDS
 - ROOM HVAC
- SMALL BORE PIPING MODIFICATIONS
- SAFEGUARDS RACK IMPROVEMENTS
- C BUS MODIFICATIONS
- BIT BYPASS MODIFICATIONS
- REACTOR HEAD GUIDE FUNNEL MODIFICATIONS
- CRDM CANOPY SEAL PREVENTATIVE CLAMPING
- SOURCE RANGE NUCLEAR INSTRUMENTS
- FEEDWATER PUMP RECIRCULATION PIPING
SUPPORT UPGRADES

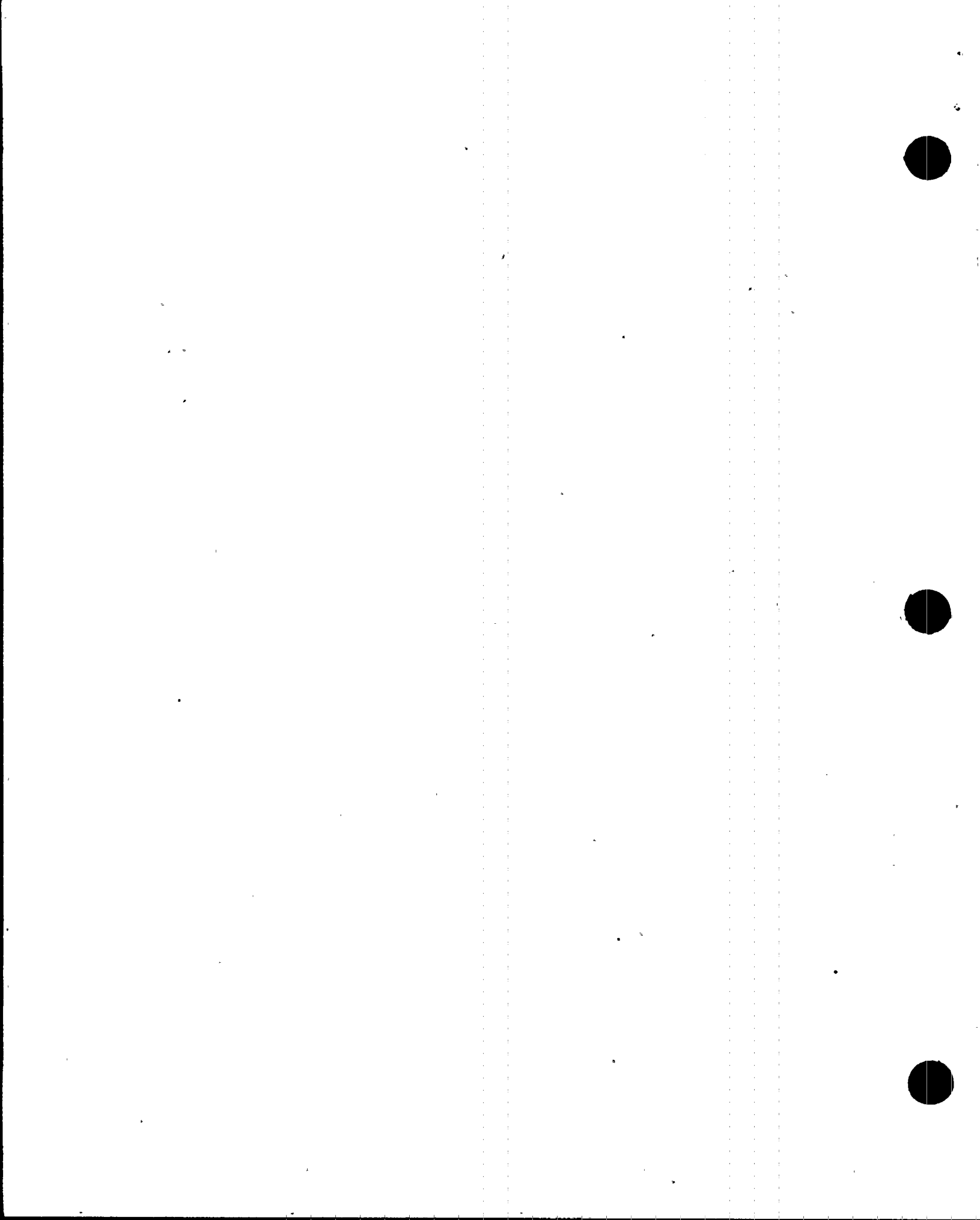




TURKEY POINT ENGINEERING DEPARTMENT

REACTOR HEAD GUIDE FUNNEL MODIFICATIONS

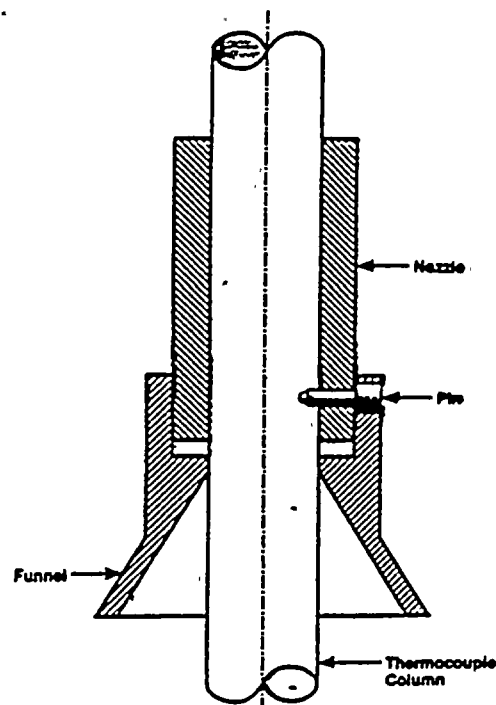
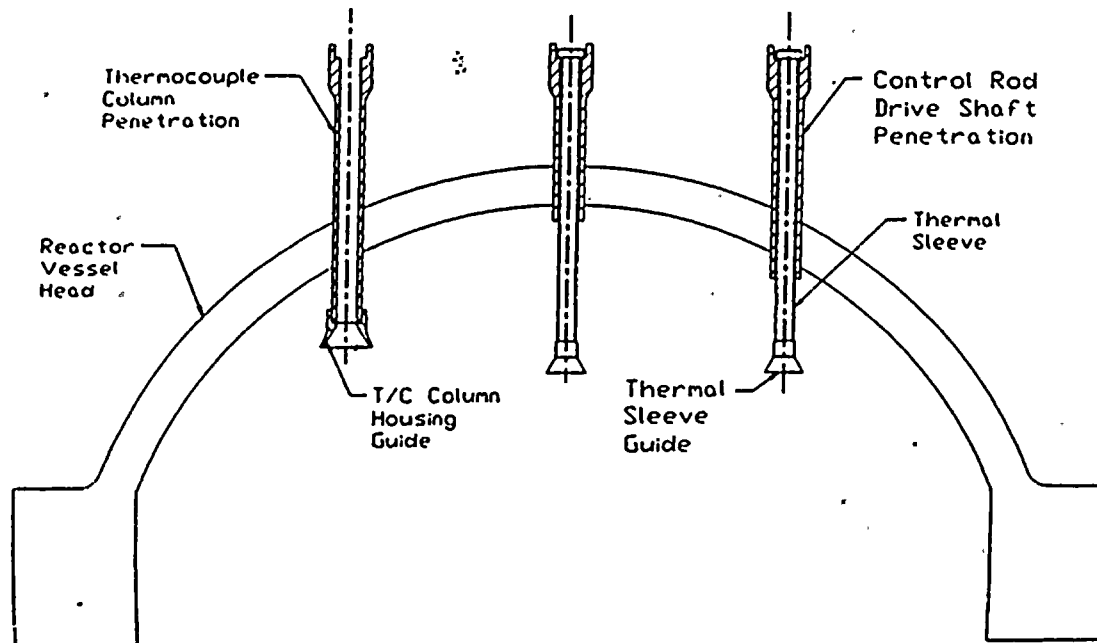
- ◆ **INDUSTRY FAILURE FOR REACTOR VESSEL GUIDE FUNNELS**
 - FUNNEL FAILURE AT ZION (1984)
 - SEVERAL PLANTS REPORT PIN AND FUNNEL FAILURES (1994)
 - WESTINGHOUSE ISSUES NSAL 94-002
 - NO FAILURE HISTORY AT TURKEY POINT
- ◆ **FAILURE MODE**
 - VIBRATION INDUCED FAILURE OF RETAINING PIN
 - POTENTIAL TO BLOCK/JAM CRDM
- ◆ **PLANT RELIABILITY AND POTENTIAL SAFETY ISSUE**
- ◆ **TURKEY POINT CORRECTIVE ACTION**
 - REPAIR OF 45 CRDM GUIDE TUBES
 - REPAIRS COMPLETE ON BOTH UNITS 3 AND 4
 - LEAD PLANT FOR PLANTS WITHOUT PREVIOUS FAILURES
 - NO INDICATION OF FAILURE ONSET NOTED DURING REPAIR

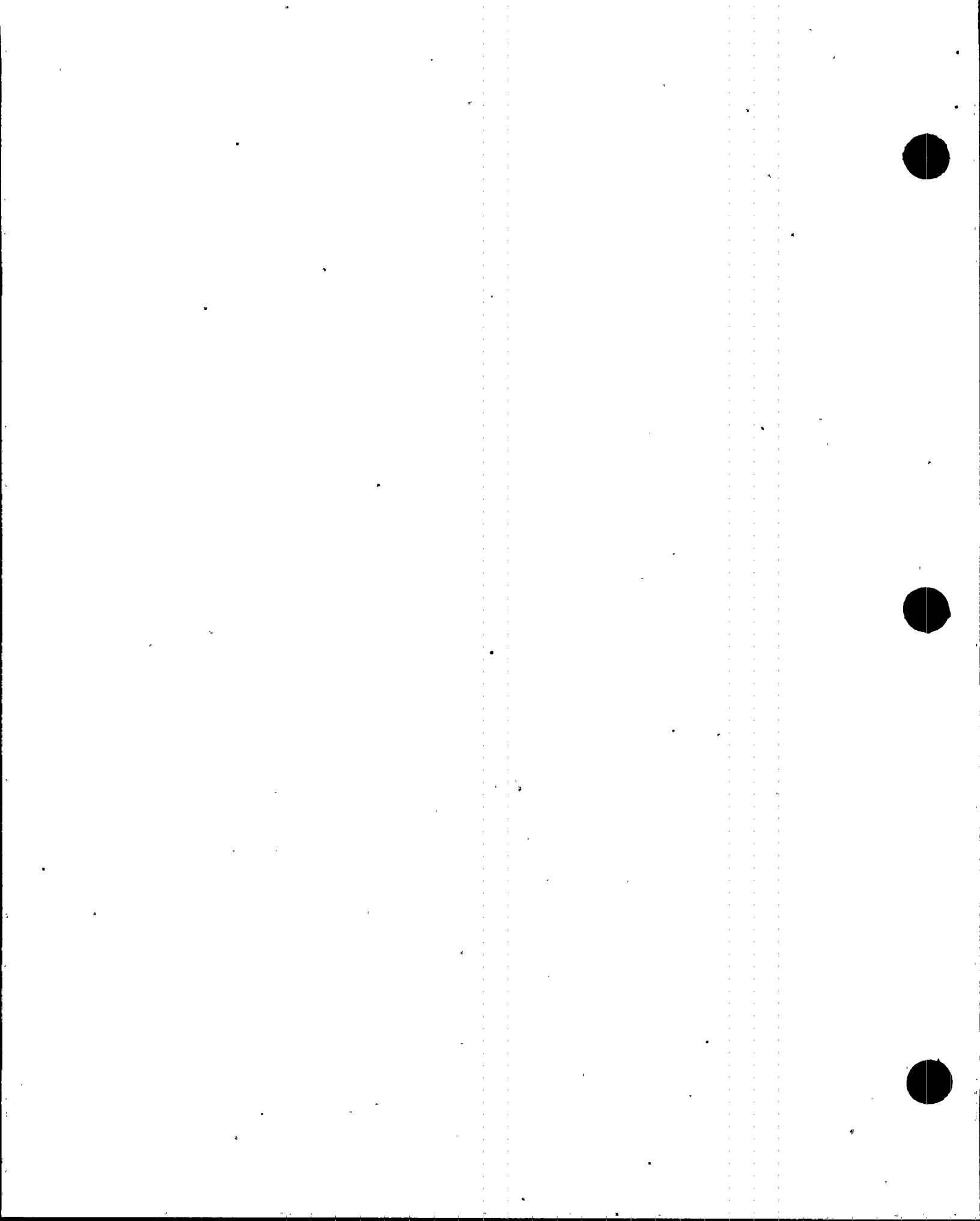




TURKEY POINT ENGINEERING DEPARTMENT

REACTOR HEAD GUIDE FUNNEL MODIFICATIONS

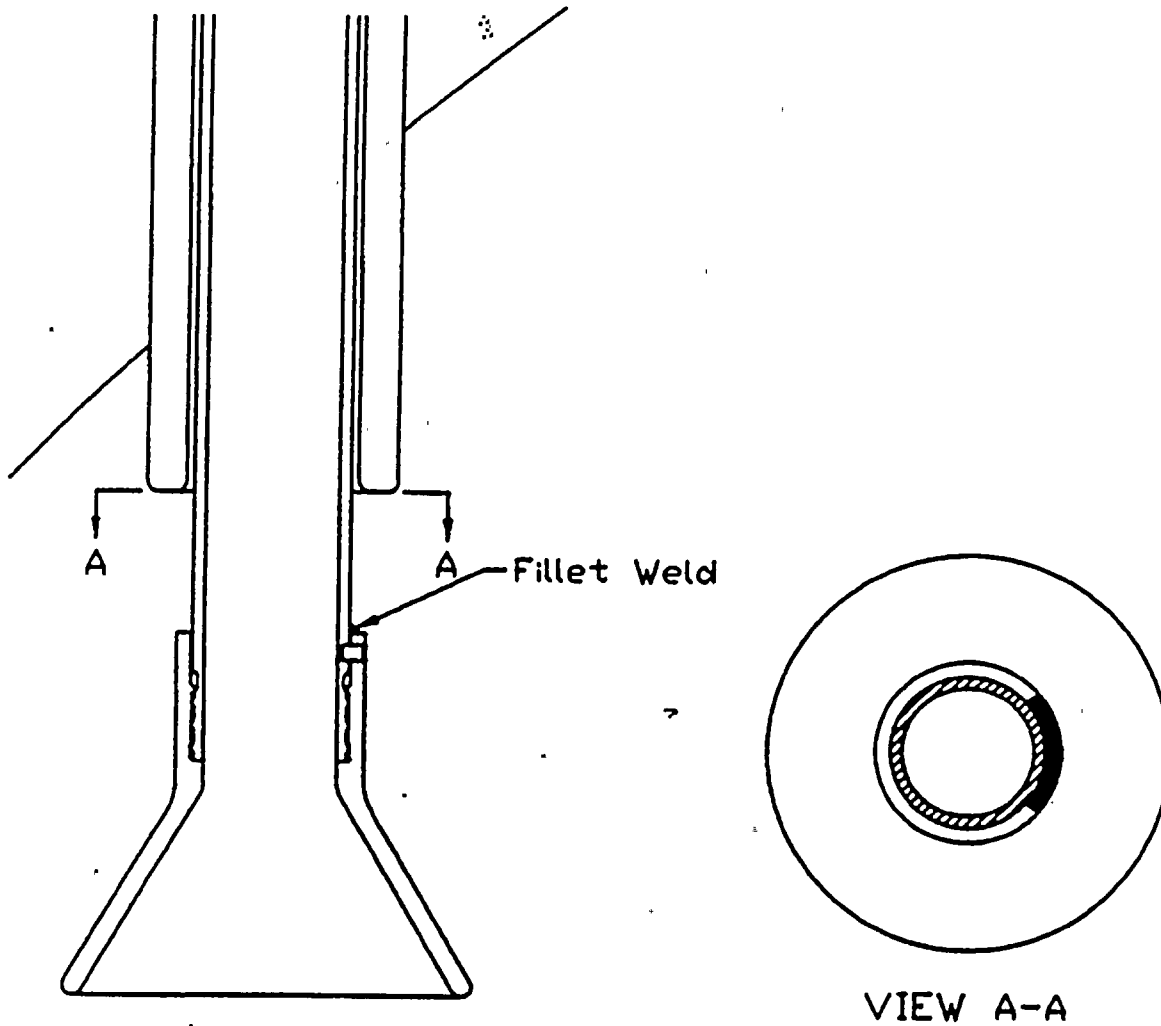






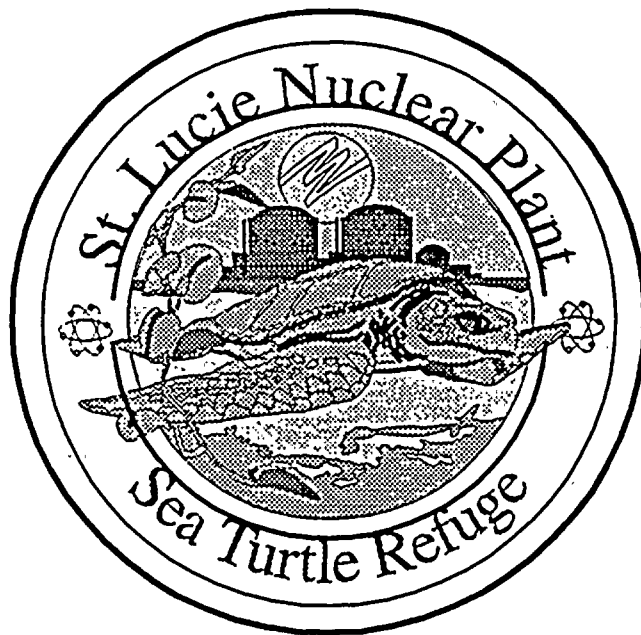
TURKEY POINT ENGINEERING DEPARTMENT

REACTOR HEAD GUIDE FUNNEL MODIFICATIONS





ST. LUCIE ENGINEERING DEPARTMENT





ST. LUCIE ENGINEERING DEPARTMENT

ENGINEERING ORGANIZATION

◆ ORGANIZATIONAL STRENGTHS

- AVERAGE NUMBER OF YEARS OF NUCLEAR EXPERIENCE (PER ENGINEER) IS 17 YEARS
- DIRECT SUPPORT TO OPERATIONS AND MAINTENANCE CONTINUES TO BE A STRENGTH
- 23 ENGINEERS HAVE OPERATIONS TRAINING

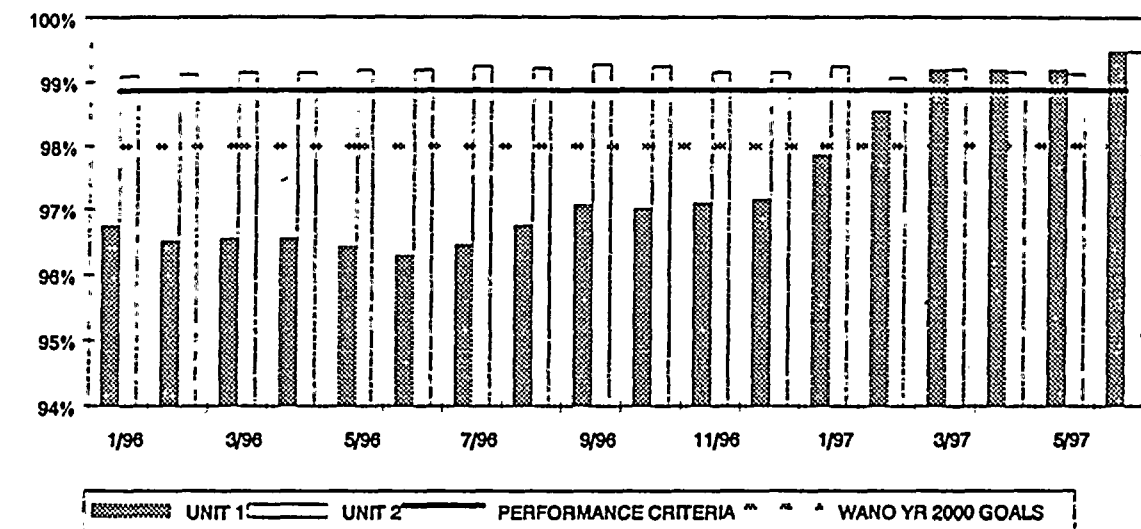
◆ IMPROVEMENT / GROWTH PLANS

- DEVELOPMENT OF SYSTEMS ENGINEERING PROGRAM
- STRENGTHENING OF SYSTEM HEALTH MONITORING AND TRENDING OF EQUIPMENT DATA
- SYSTEM ENGINEERS TRAINING

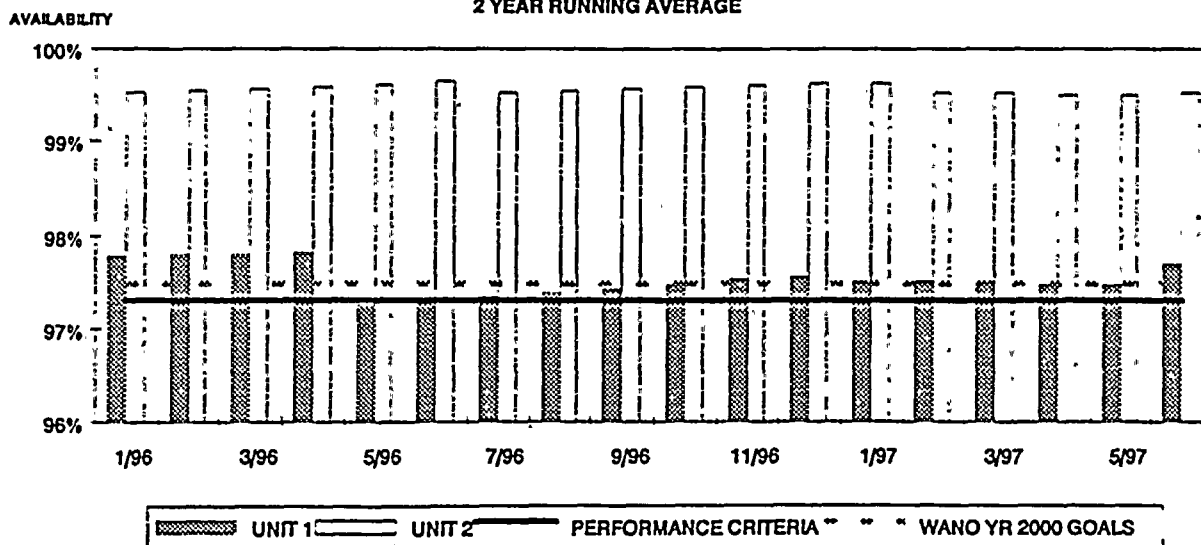


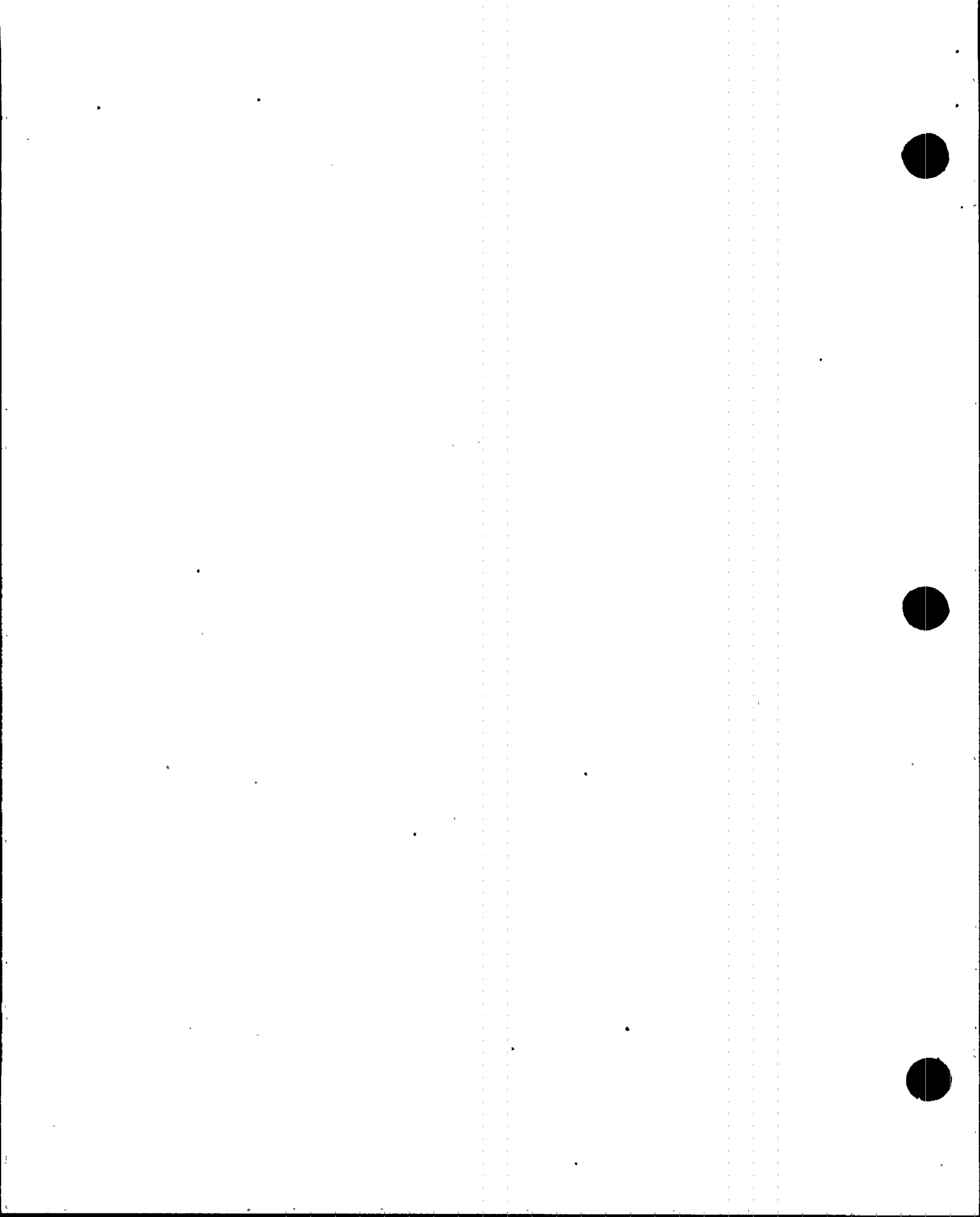
ST. LUCIE ENGINEERING DEPARTMENT

SAFETY INJECTION
2 YEAR RUNNING AVERAGE



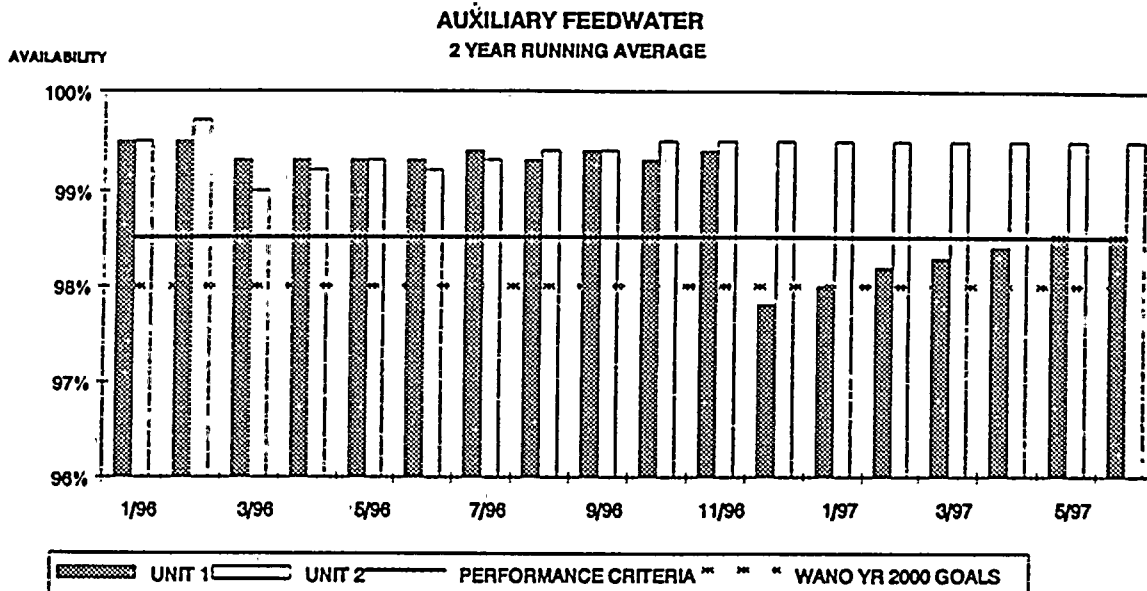
EMERGENCY DIESEL GENERATORS
2 YEAR RUNNING AVERAGE







ST. LUCIE ENGINEERING DEPARTMENT

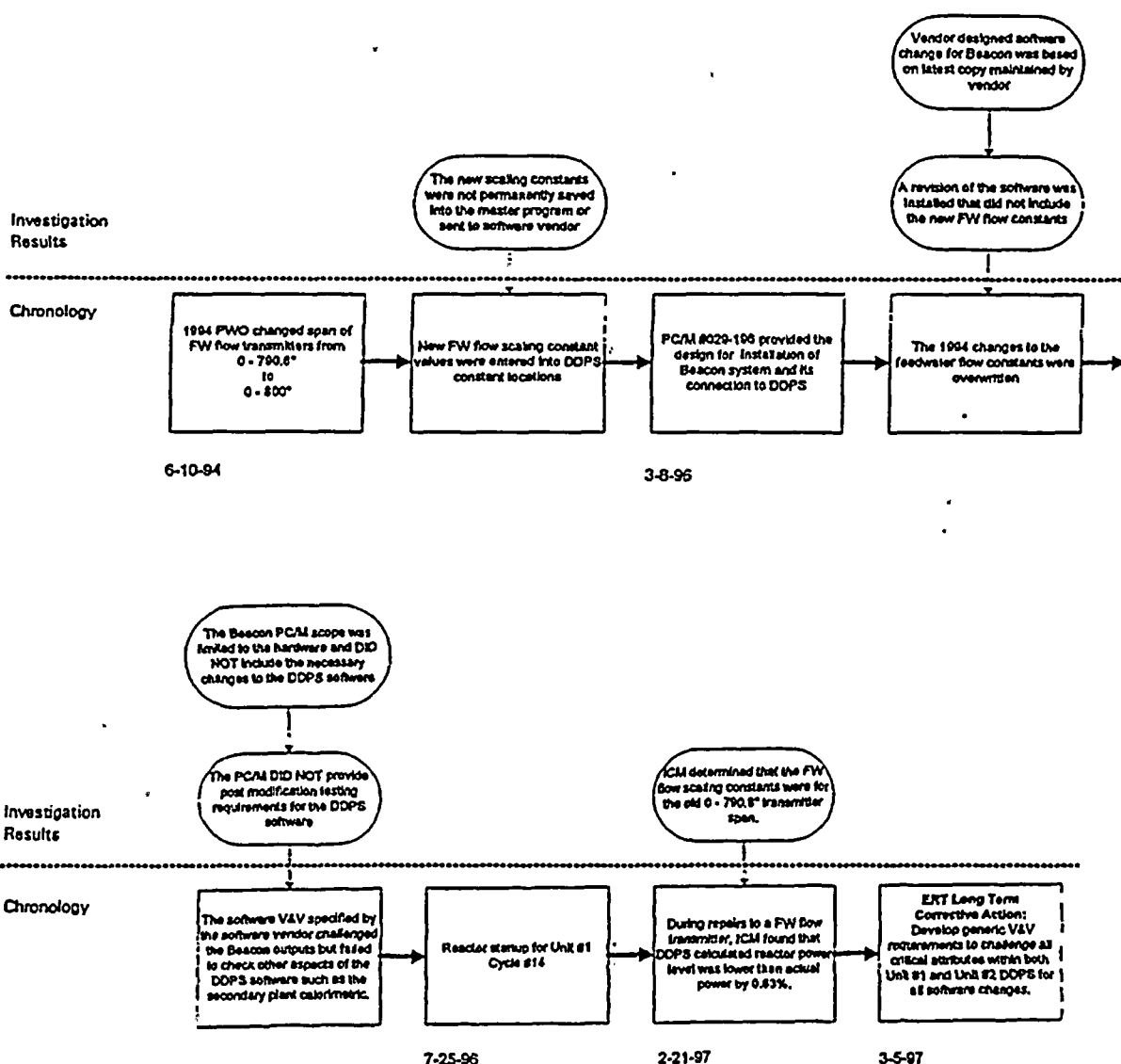




ST. LUCIE ENGINEERING DEPARTMENT

UNIT 1 DDPS SOFTWARE ERROR

- ◆ A 1994 SOFTWARE ERROR RESULTED IN UNIT #1 OPERATION WITH A 0.63% NONCONSERVATIVE REACTOR POWER CALORIMETRIC ERROR

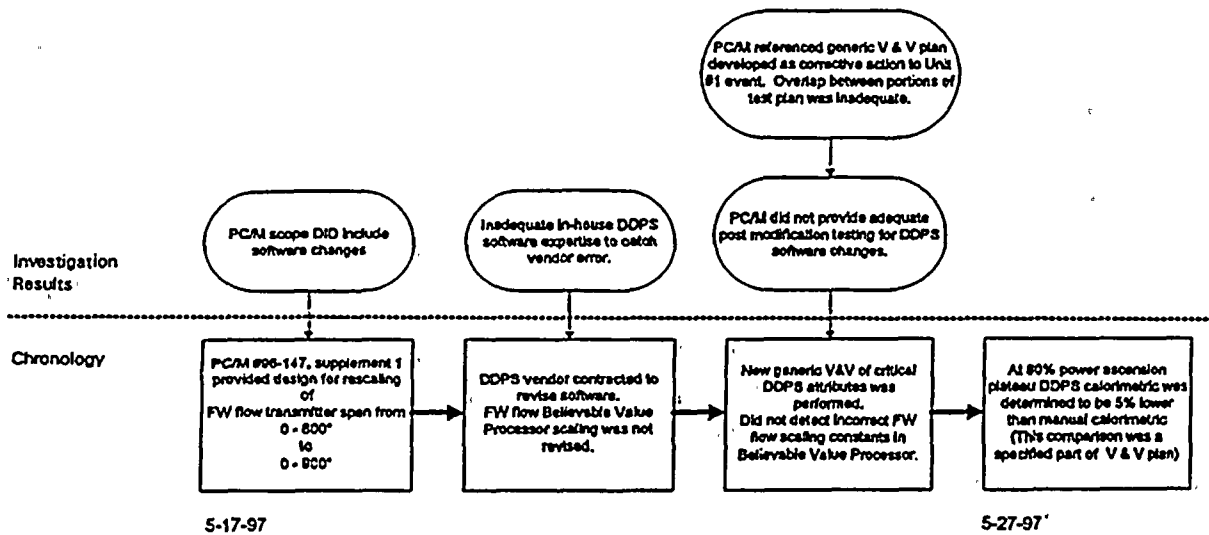


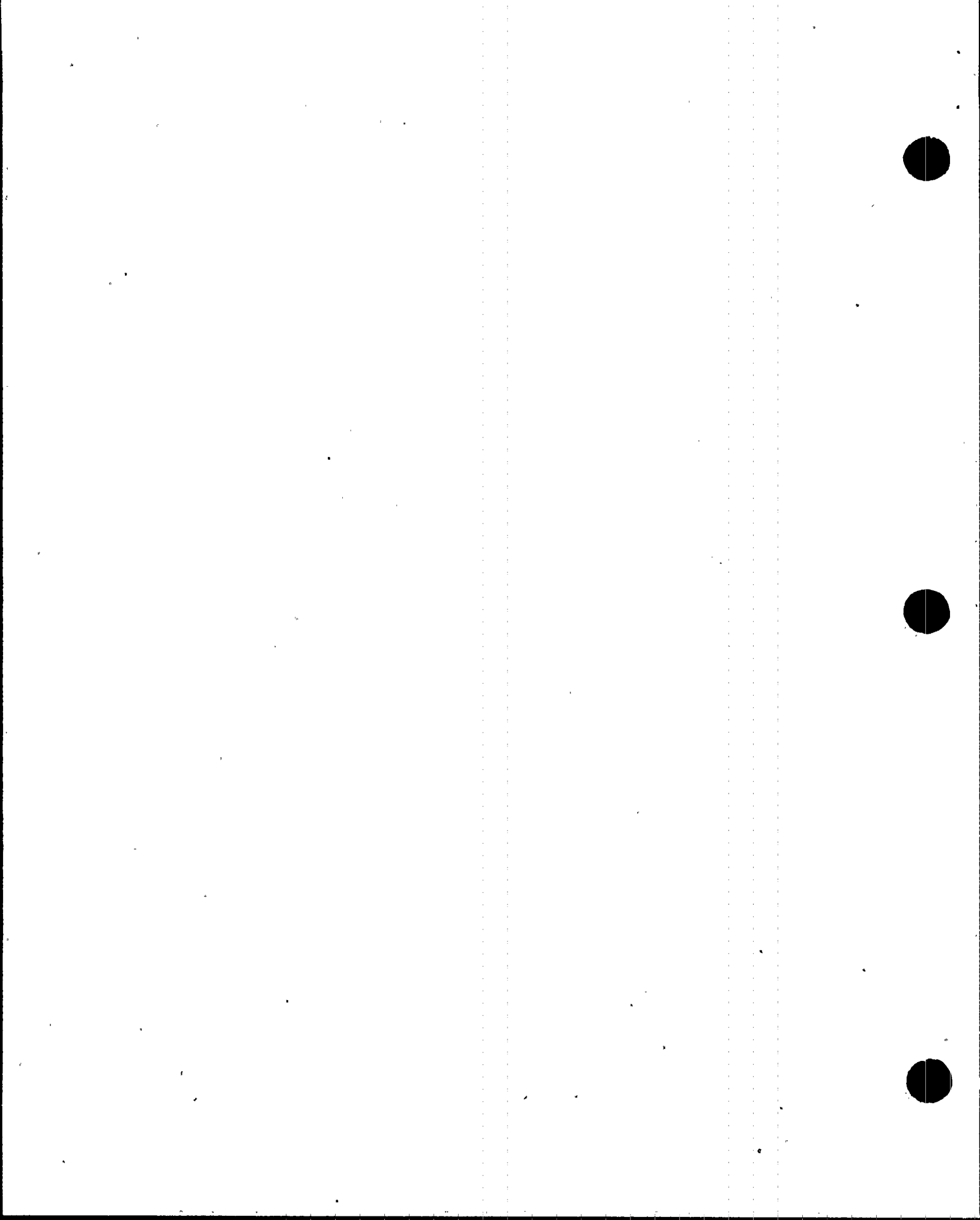


ST. LUCIE ENGINEERING DEPARTMENT

UNIT 2 DDPS SOFTWARE ERROR

- ◆ A 1997 SOFTWARE ERROR WAS DISCOVERED DURING UNIT #2 REACTOR POWER CALORIMETRIC VERIFICATION & VALIDATION TESTING







ST. LUCIE ENGINEERING DEPARTMENT

SOFTWARE VERIFICATION & VALIDATION PROGRAM IMPROVEMENTS

- ◆ DEVELOPED PROCEDURE "MAINTENANCE DEPARTMENTAL CONTROL OF COMPUTER SOFTWARE" IN FEBRUARY 1996
- ◆ CONVEYED "LESSONS LEARNED" FROM THE RECENT SOFTWARE EVENTS TO ENGINEERING AND MAINTENANCE PERSONNEL
- ◆ MADE ORGANIZATIONAL CHANGES TO PROVIDE MORE INTERACTION BETWEEN SOFTWARE ENGINEERS AND DESIGN / SYSTEM ENGINEERS
- ◆ IDENTIFIED ADDITIONAL PROCEDURE / PROGRAM ENHANCEMENTS IN THE FOLLOWING AREAS:
 - IN-DEPTH TRAINING IN VERIFICATION AND VALIDATION FOR ENGINEERING / I&C MAINTENANCE
 - UPGRADE OF EXISTING SOFTWARE CONTROL PROCEDURES (MASTER & BACKUP COPIES)
 - DEVELOPMENT OF DETAILED SOFTWARE VERIFICATION & VALIDATION ON SELECTED COMPUTER SYSTEMS



ST. LUCIE ENGINEERING DEPARTMENT

REACTIVITY MANAGEMENT

REACTOR ENGINEERING PROGRAMS

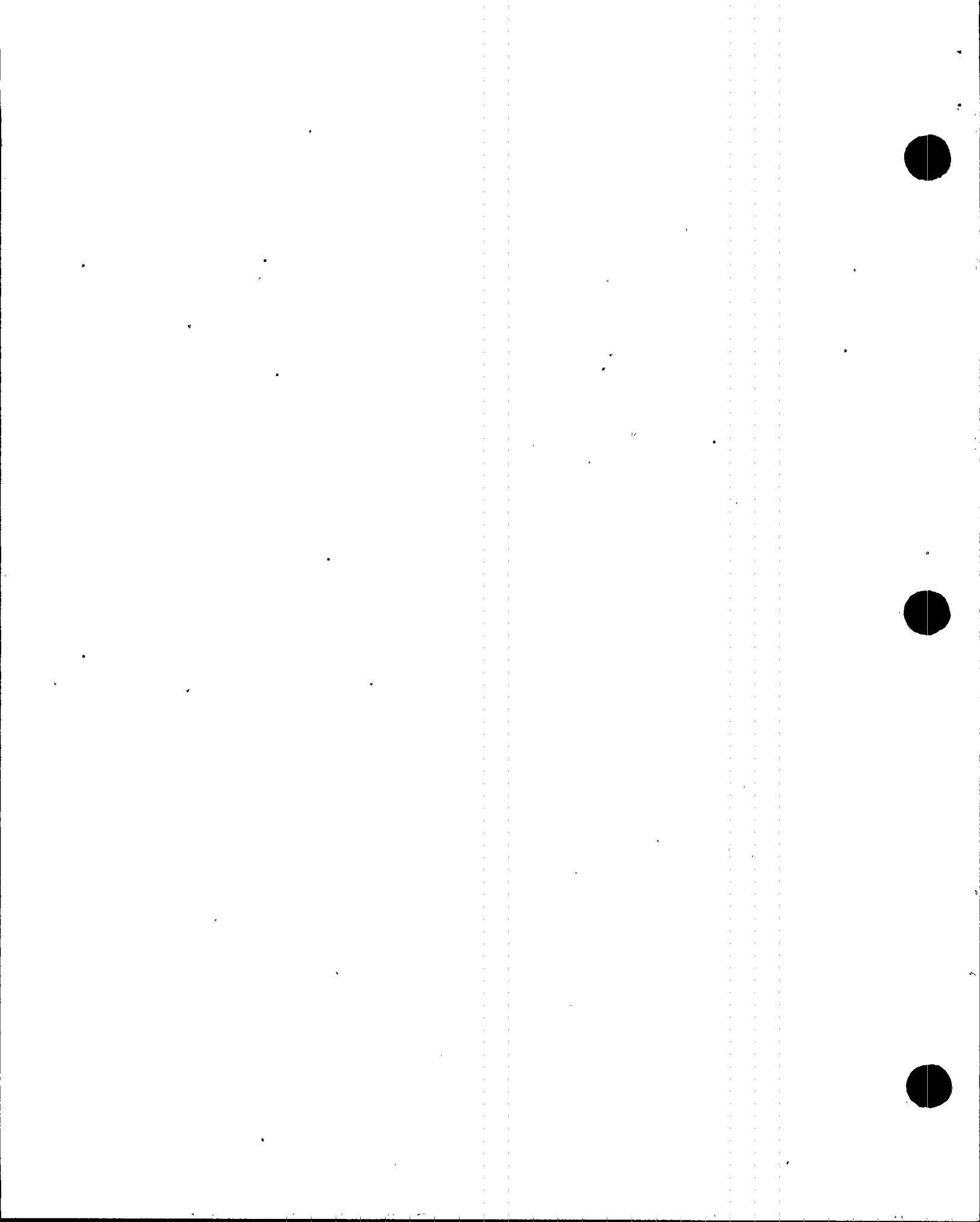
- ◆ INSTRUCTIONS PROVIDED FOR POWER MANEUVERING
- ◆ ENGINEERS ON SHIFT DURING POWER MANEUVERS
- ◆ BEACON REAL TIME MONITOR MODE
- ◆ CORE OPERATING HISTORY ASSESSMENT
- ◆ ECC VERIFICATIONS
- ◆ REACTIVITY MANAGEMENT ASSESSMENTS
- ◆ REACTIVITY MANAGEMENT TRAINING PROVIDED TO OPERATIONS DURING REQUAL
- ◆ RE PROCEDURE REVIEW PROGRAM

RE PROCEDURE REVIEW PROGRAM

- ◆ PERFORMED A TECHNICAL REVIEW OF 26 PROCEDURES
- ◆ REVIEW TEAM CONSISTED OF 2 ENGINEERS EACH FROM:
 - REACTOR ENGINEERING (ON SITE)
 - NUCLEAR FUELS (JUNO)
 - ABB/CE (NSSS VENDOR)

PROCEDURE REVIEW RESULTS

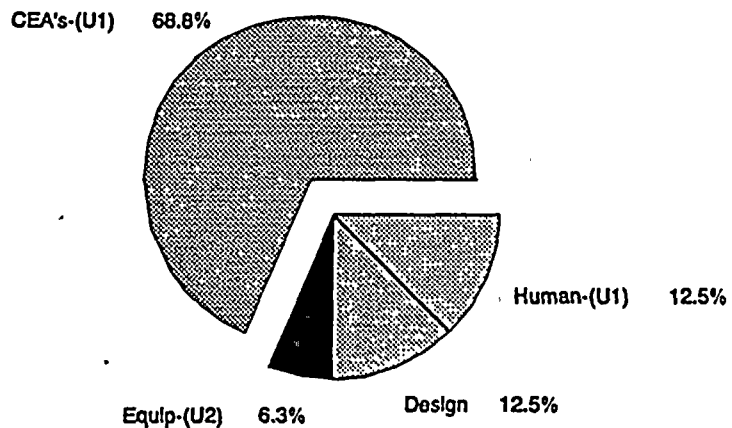
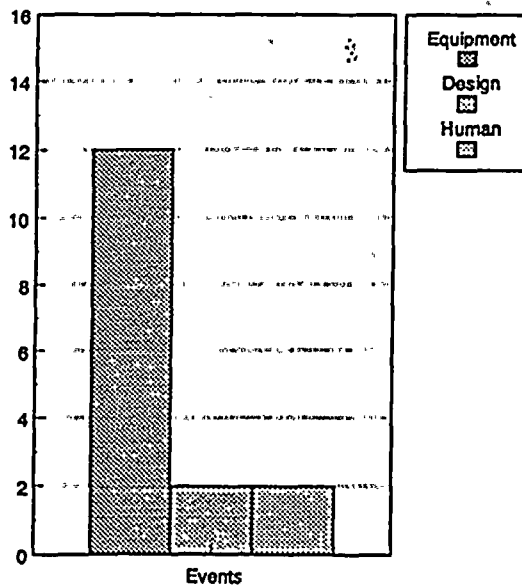
- ◆ THE REACTOR ENGINEERING PROCEDURES WERE FOUND TO BE TECHNICALLY ACCURATE AND CONSISTENT WITH TECHNICAL SPECIFICATIONS AND DESIGN ANALYSIS.
- ◆ THE MOST SIGNIFICANT PROCEDURE CHANGES FOCUSED ON CLARITY IN THE AREA OF SHUTDOWN MARGIN VERIFICATION ENSURING COMPLIANCE WITH T.S., AND PROVIDING CONSISTENCY WITH OFF-NORMAL CEA PROCEDURE GUIDANCE.





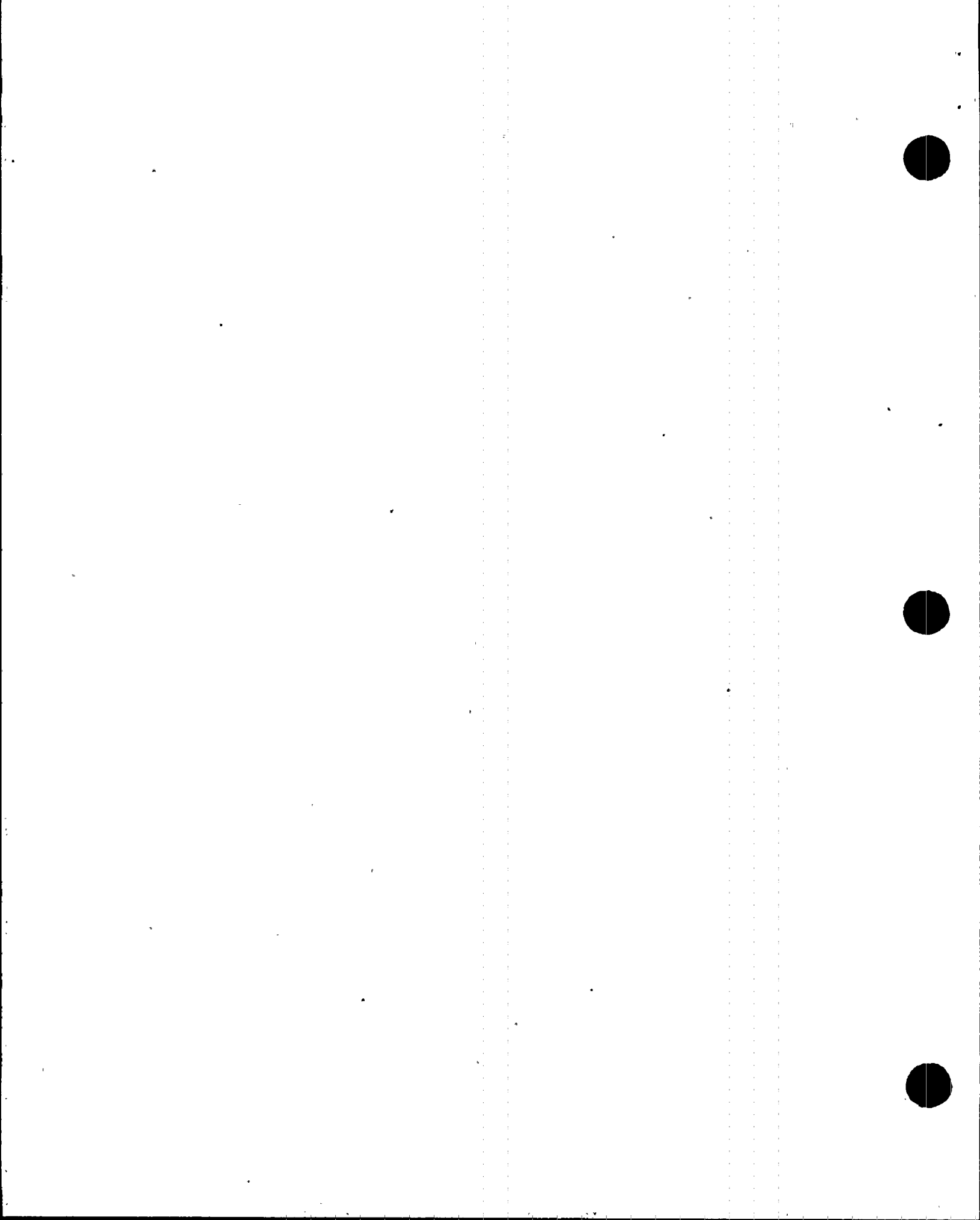
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REACTIVITY MANAGEMENT



OVERVIEW

- ◆ NEARLY ALL EVENTS WERE ON UNIT 1(15 OF 16)
- ◆ MOST WERE CEA EVENTS (11 OF 16)
- ◆ HIGHER POWER THAN EXPECTED FOR PLANT CONDITIONS (2 OF 16)





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CONTROL ROD ELEMENT DRIVE SYSTEM

ANALYSIS

◆ DROPS RELATED TO:

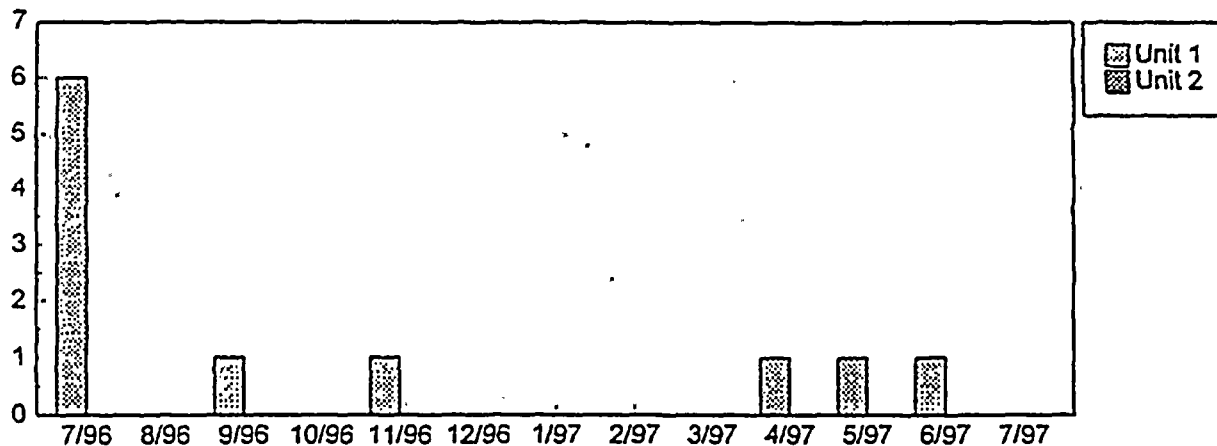
- MECHANICAL SLUGGISH GRIPPERS
- TIMING MODULE FAILURE

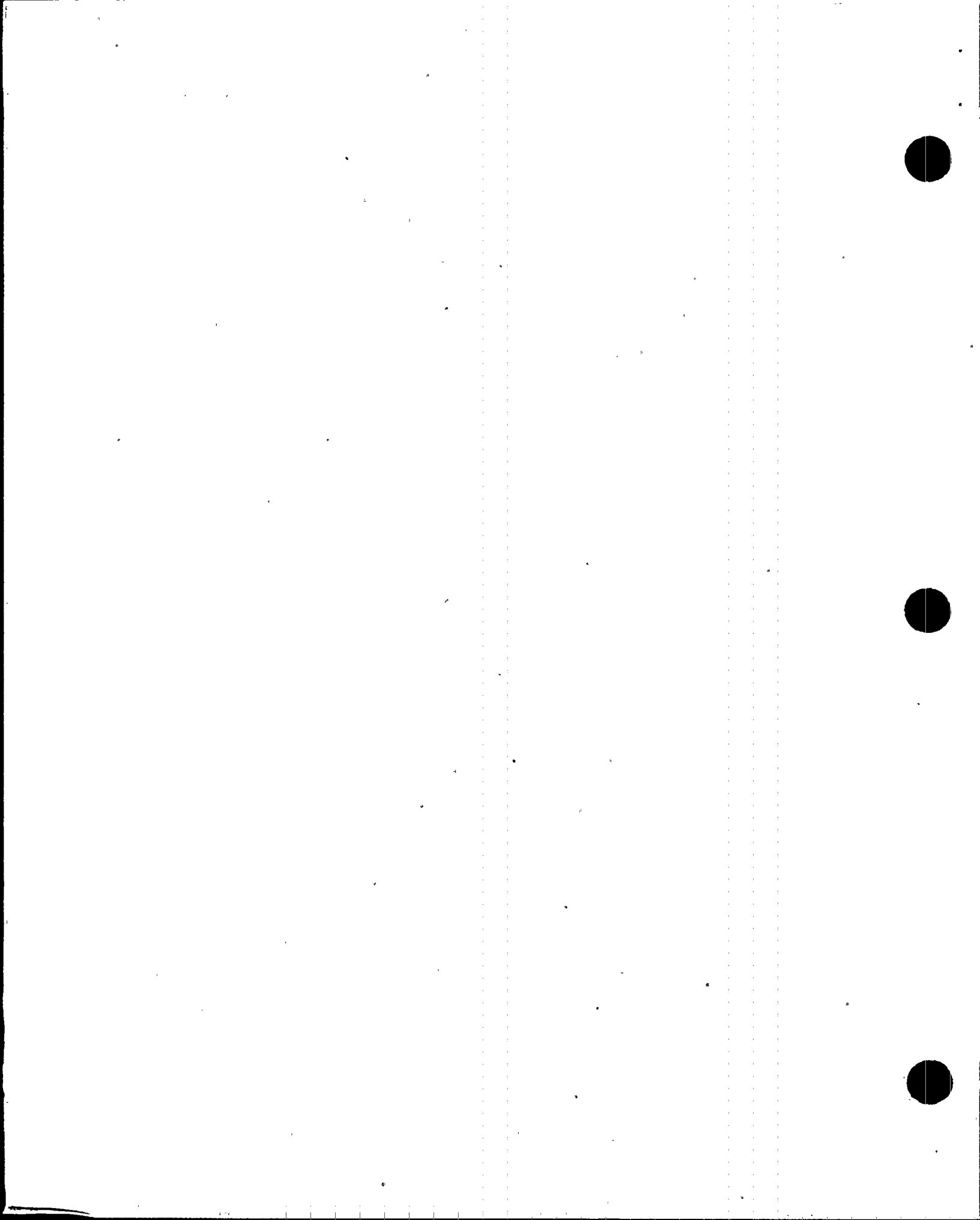
SYSTEM ASSESSMENT (ONE YEAR REVIEW)

◆ OTHER FAILURES

- REED SWITCH POSITION INDICATIONS
- DDPS POSITION INDICATIONS
- CEA FAILURES TO MOVE DURING FLCEA

CEA Drops







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CONTROL ROD ELEMENT DRIVE SYSTEM

SYSTEM ANALYSIS

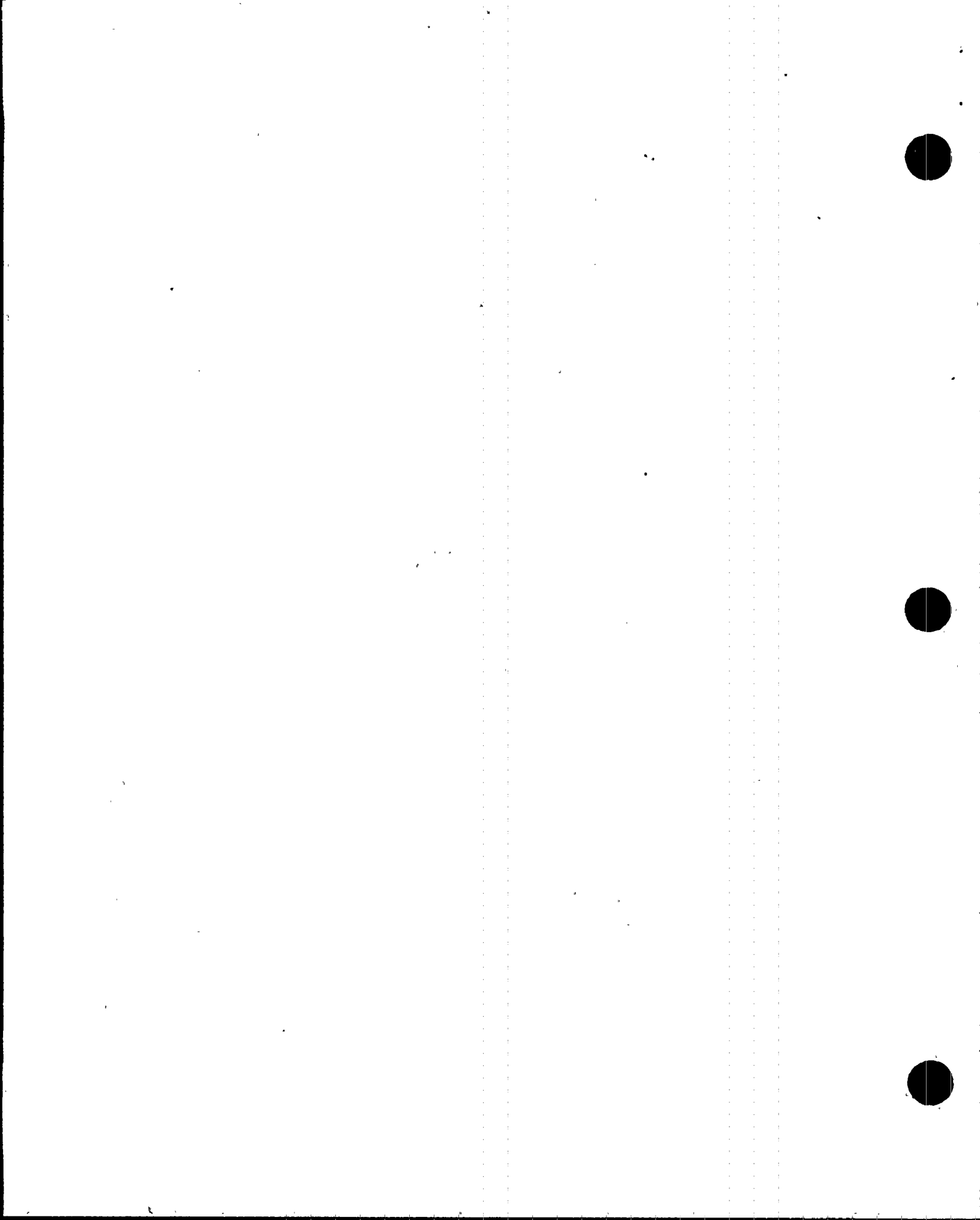
- ◆ DROPS/SLIPS ON UNIT 1 CAN BE ATTRIBUTED TO: SLUGGISH CEDM GRIPPER ENGAGEMENTS, INADEQUATE DESIGN OF TIMING MODULES (NO CEA GRIPPER ENGAGEMENT FEEDBACK) AND POWER SWITCH FAILURES
- ◆ ACTMS ON UNIT 2 PREVENT MOST PROBLEMS FROM MANIFESTING THEMSELVES AS DROPPED CEAS

CORRECTIVE ACTIONS TAKEN

- ◆ PERFORM CEDM COIL RESISTANCE TESTS EACH OUTAGE AND TREND DATA WITH PREVIOUS OUTAGES TO DETERMINE IF DETERIORATING COILS CAN BE IDENTIFIED
- ◆ IDENTIFIED SLUGGISH GRIPPERS, TIMING MODULE AND POWER SWITCH FAILURES AS PRIMARY CAUSE OF UNIT 1 CEA DROPS AND SLIPS
- ◆ CEA REED SWITCH REPLACEMENTS SCHEDULED EACH OUTAGE

CORRECTIVE ACTIONS PLANNED

- ◆ IN-HOUSE REFURBISHMENT OF UNIT 1 COIL POWER SWITCH MODULES
- ◆ IMPLEMENTATION OF UNIT 1 ACTM MODIFICATION (REFUELING 1997)
- ◆ ENHANCE SCHEDULE FOR REPLACEMENT OF REED SWITCH ASSEMBLES IN UNIT 2

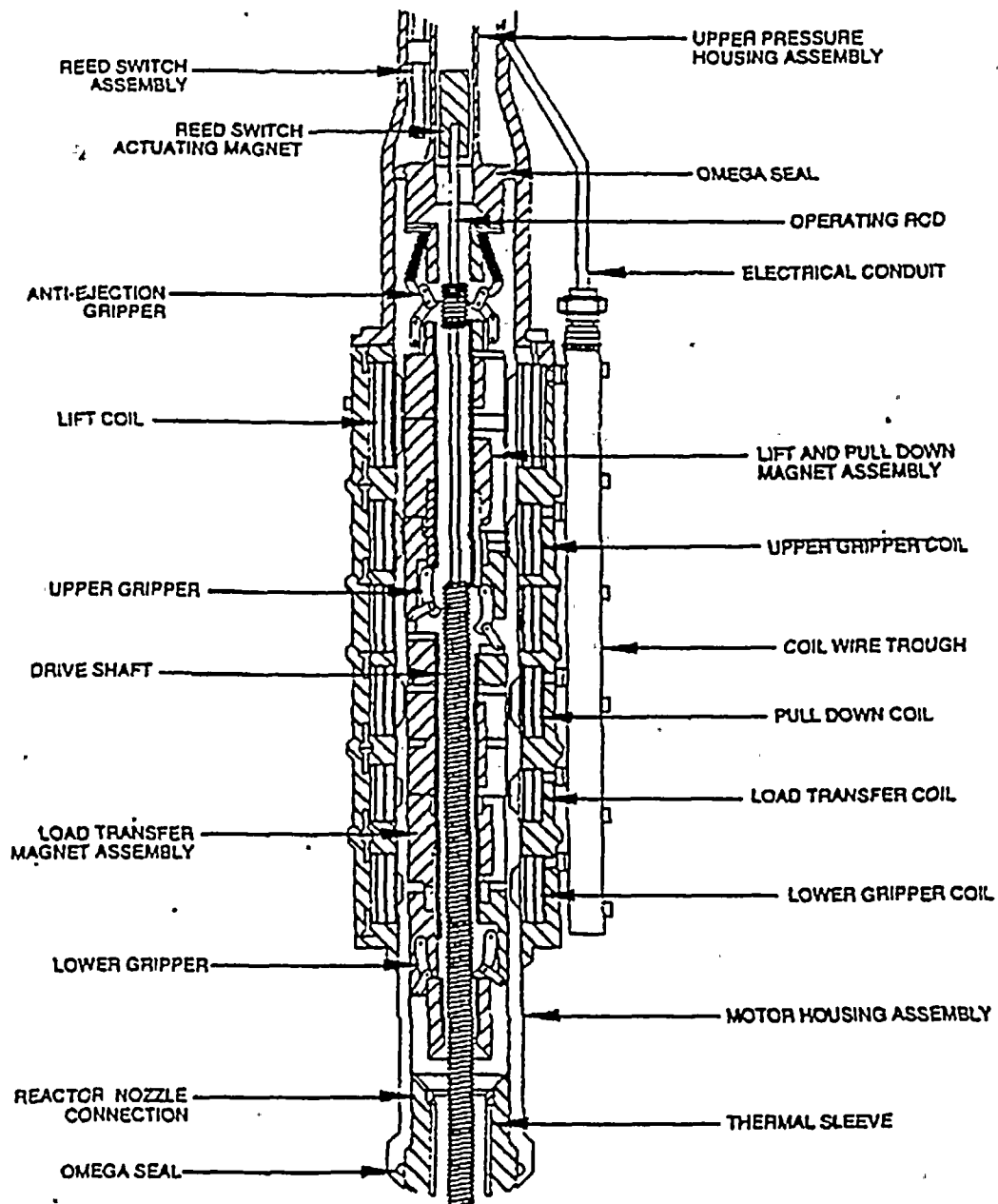




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CONTROL ROD ELEMENT DRIVE SYSTEM

UNIT 1 CONTROL ELEMENT DRIVE MECHANISM



(TRCO0711405-F2-R8)





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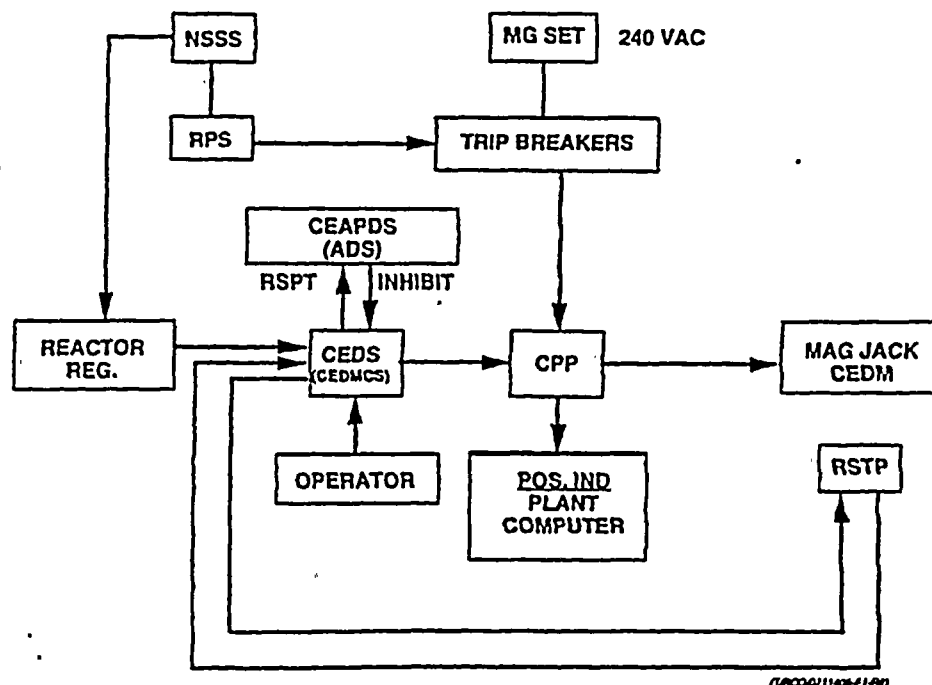
CONTROL ROD ELEMENT DRIVE SYSTEM

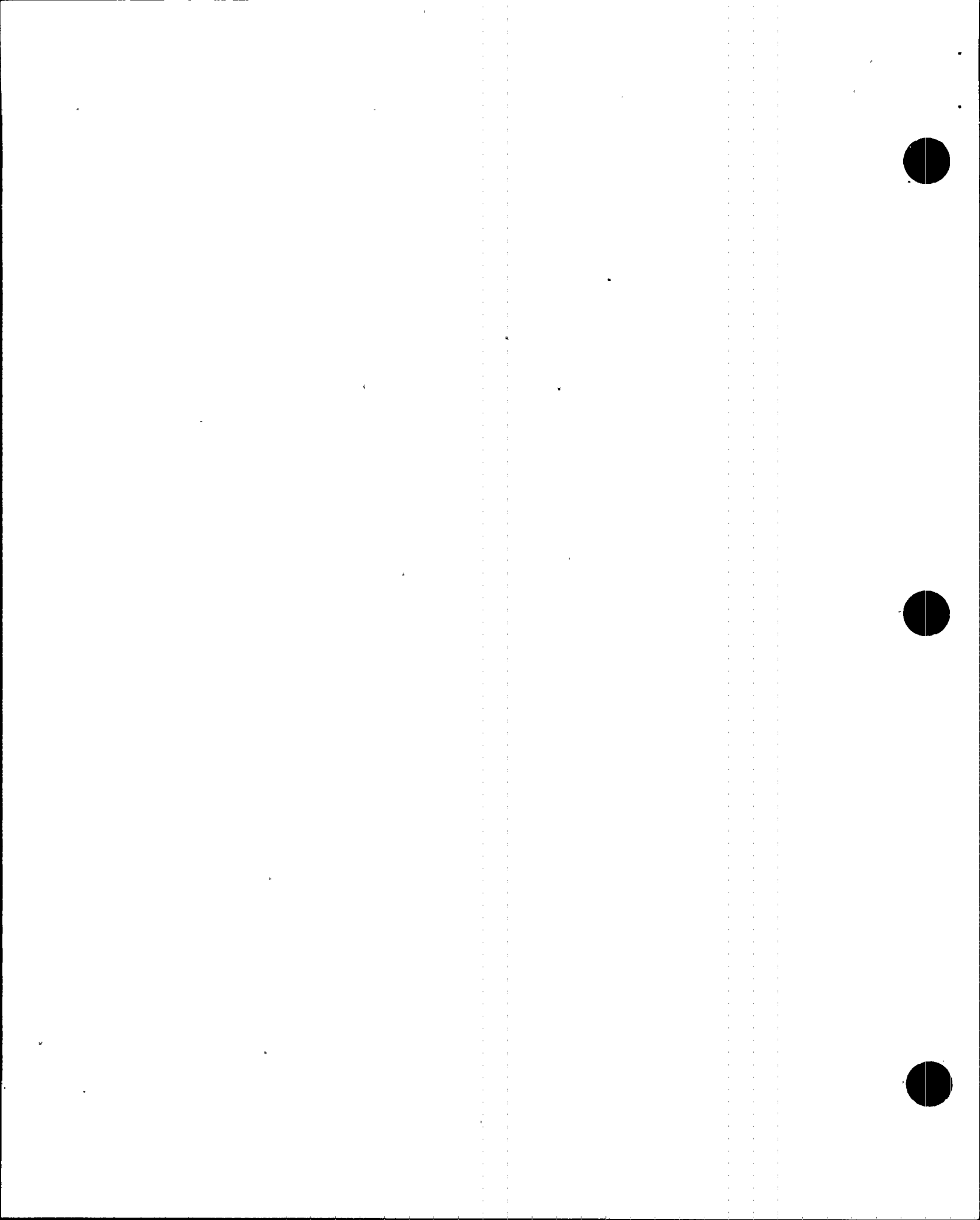
UNIT 1 ACTM UPGRADE

AUTOMATIC CEDM TIMER MODULE (ACTM)

- ◆ MICRO PROCESSOR BASED CONTROL ROD DRIVE SYSTEM CONTROLLER
- ◆ REPLACES THE CPP TIMER DURING THE UPCOMING UNIT 1 REFUELING OUTAGE
- ◆ CURRENTLY INSTALLED ON UNIT 2 (AND OTHER CE PLANTS)
- ◆ CONTROLS CEA MOTION UTILIZING POSITIVE FEEDBACK VIA CURRENT SENSORS
- ◆ EXPECTED TO REDUCE OR MITIGATE UNIT 1 CEA DROP EVENTS

CONTROL ELEMENT DRIVE SYSTEM



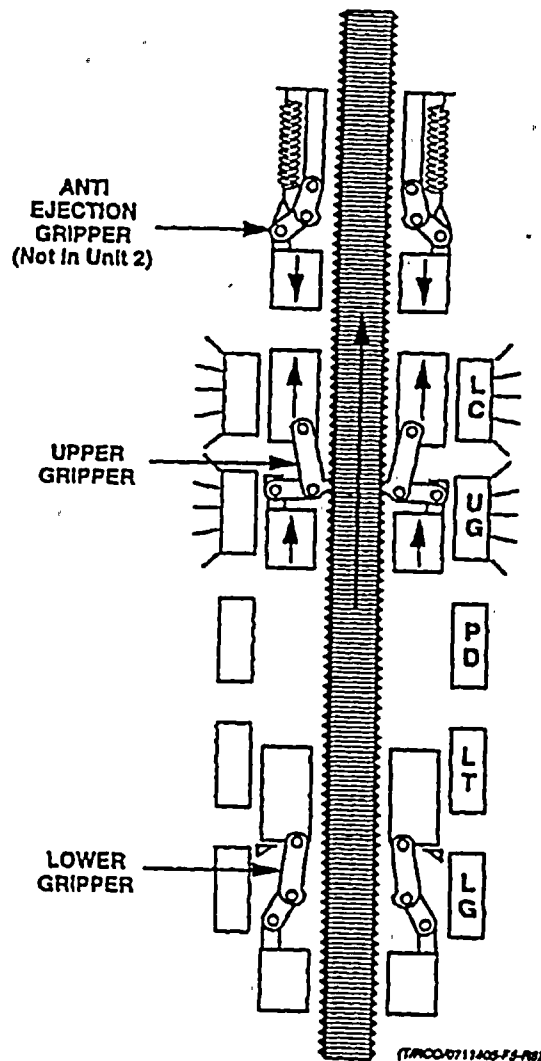


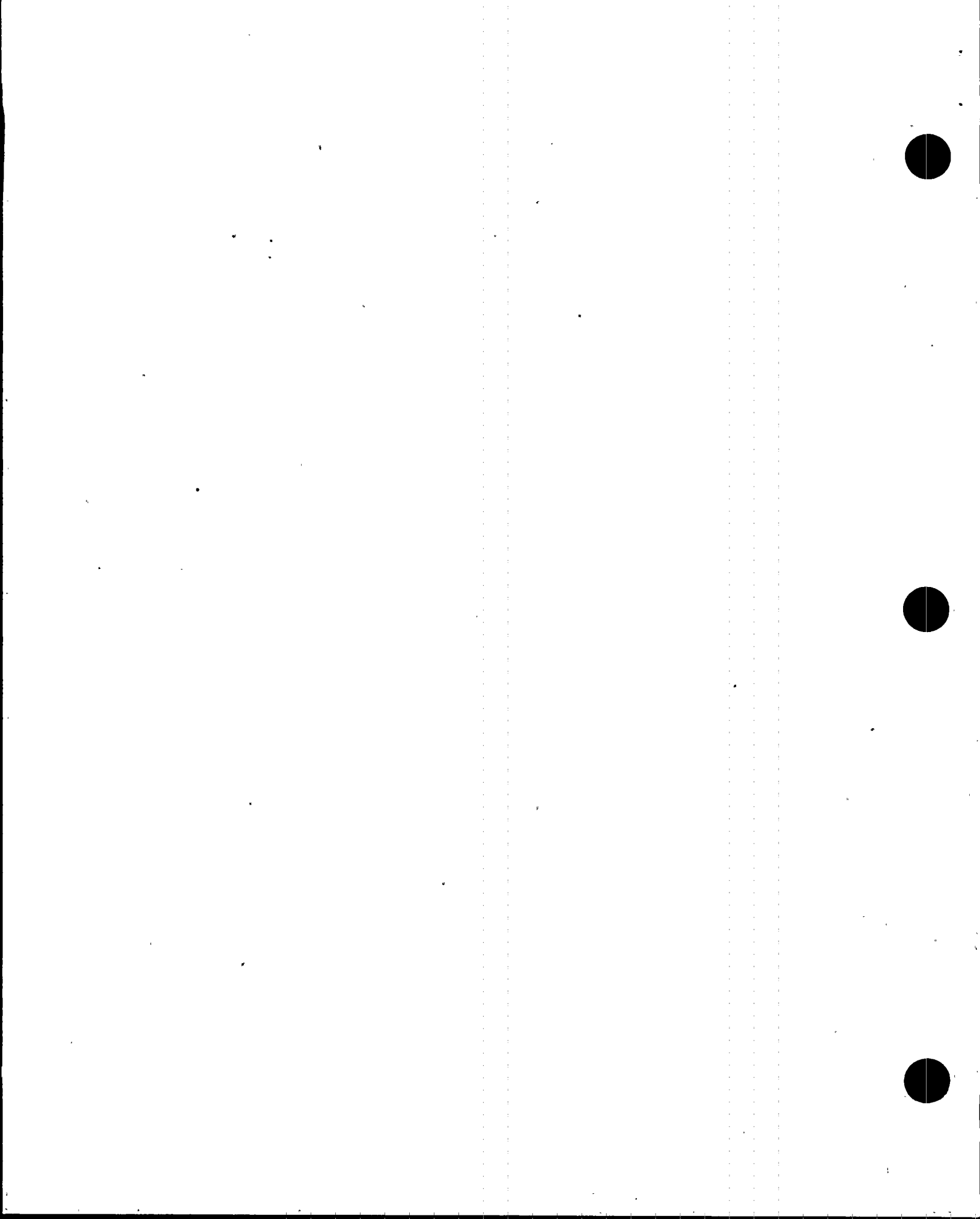


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CONTROL ROD ELEMENT DRIVE SYSTEM

LIFTING 3/4"







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PLANT SAFETY / RELIABILITY IMPROVEMENTS

- ENGINEERING EMPHASIS FOCUSED ON SAFETY AND RELIABILITY MODIFICATIONS
- NEW MANAGEMENT REVIEW PROCESS ADOPTED

INDICATIONS OF SUCCESS



- REDUCED OPERATOR WORK AROUNDS
- LOW NUMBER OF CONTROL ROOM DEFICIENCIES
- EXCELLENT PLANT AVAILABILITY

**PRESSURIZER SAFETY VALVE
SOLID BLOCK BODY DESIGN**

SPECIFIC IMPROVEMENTS - 1997 UNIT 2 OUTAGE

- PRESSURIZER SAFETY VALVE SOLID BLOCK BODY DESIGN
- REACTOR VESSEL O-RING REPLACEMENT
- DIESEL GENERATOR RELAY REPLACEMENT
- QUICKLOC INCORE INSTRUMENT FLANGE DESIGN
- 2C AFW PUMP WARMUP LINE MATERIAL CHANGE OUT
- SIT FILL VALVE ACTUATOR UPGRADE
- TCW PUMP DISCHARGE CHECK VALVE ENHANCEMENT



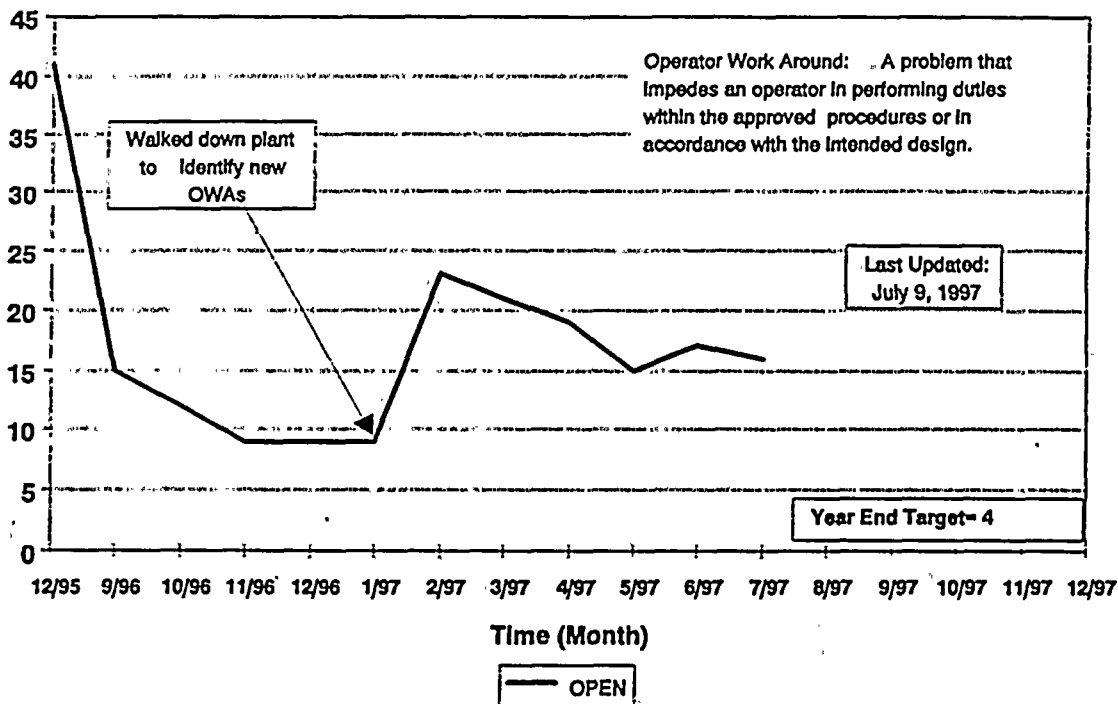


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OPERATOR WORKAROUNDS

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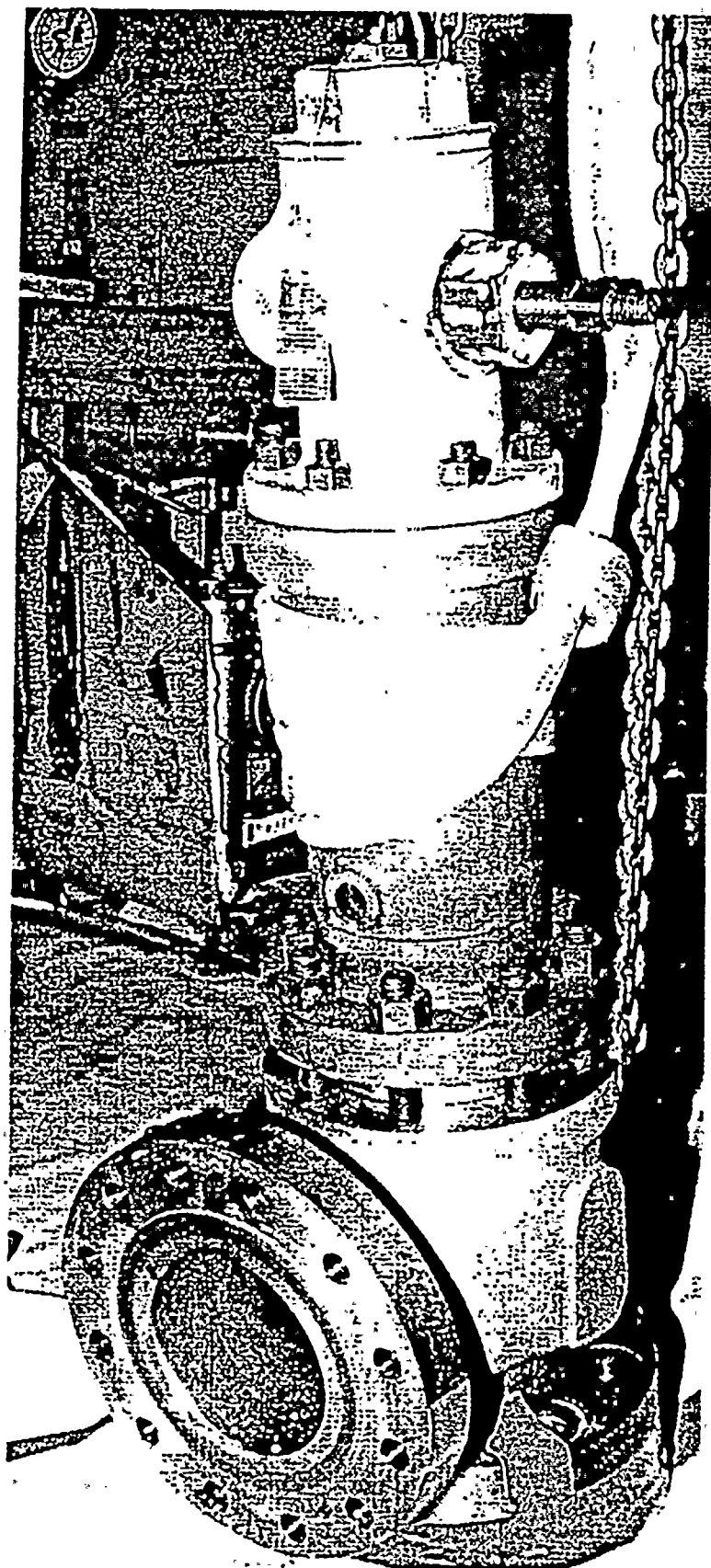
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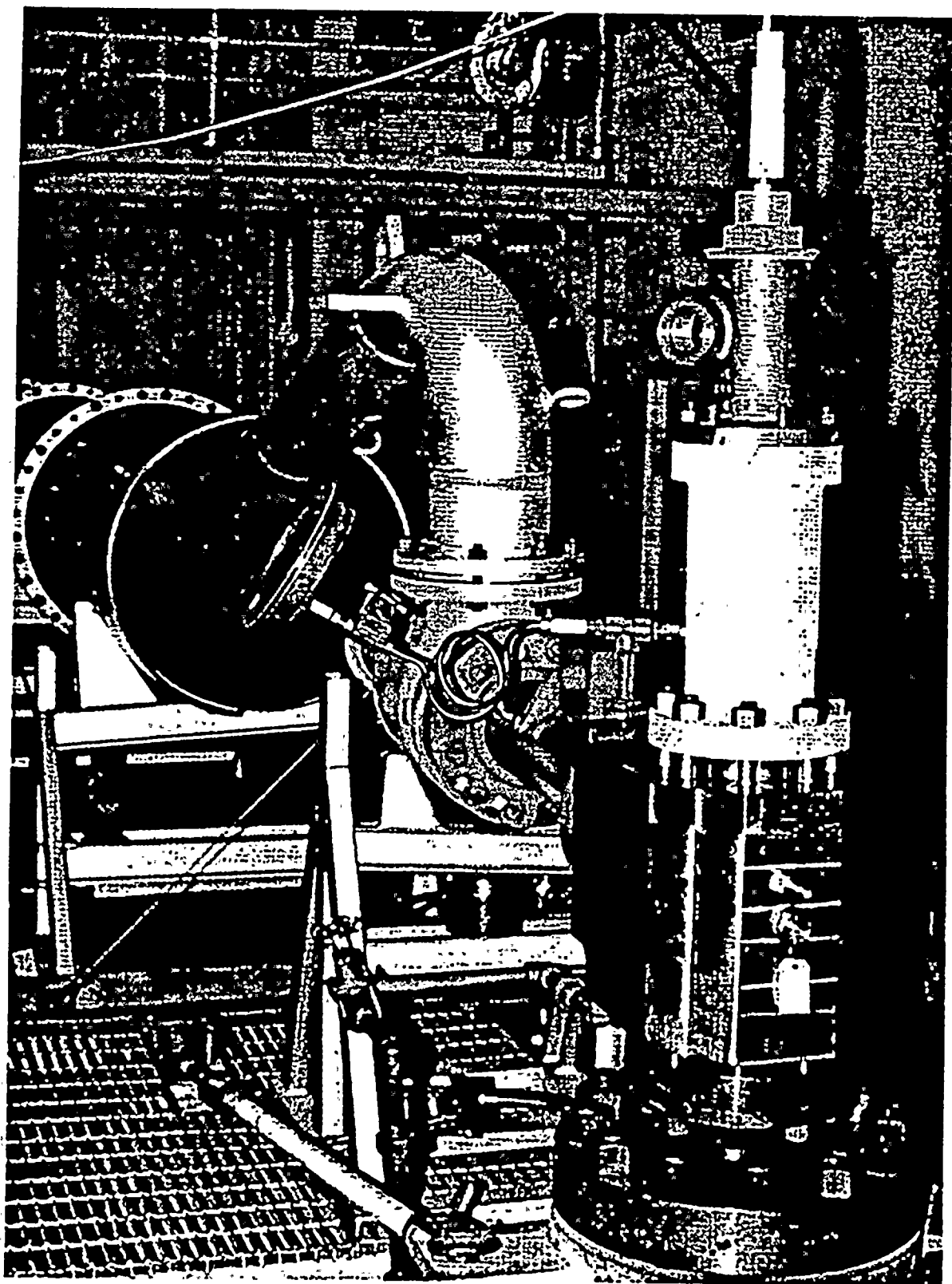
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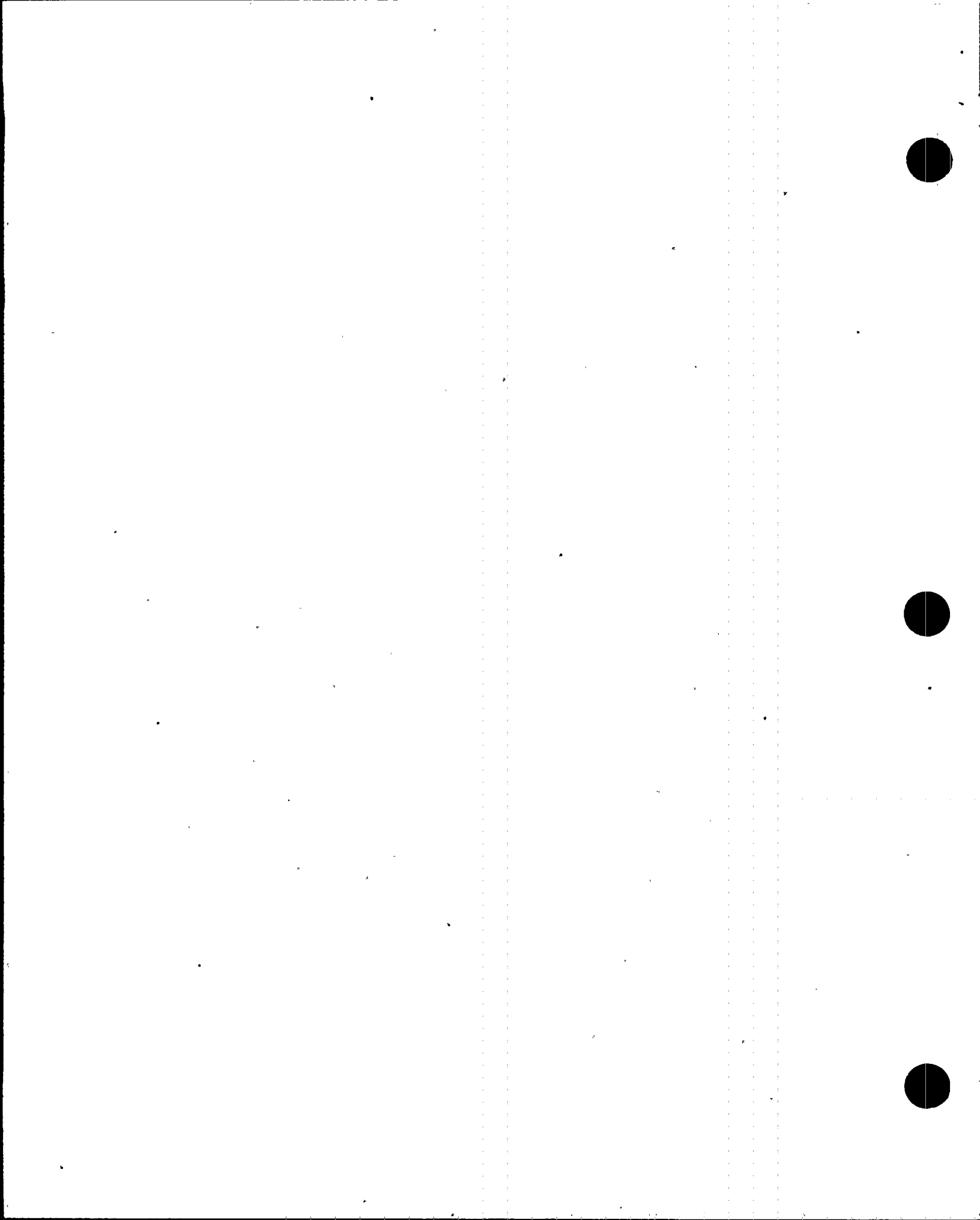
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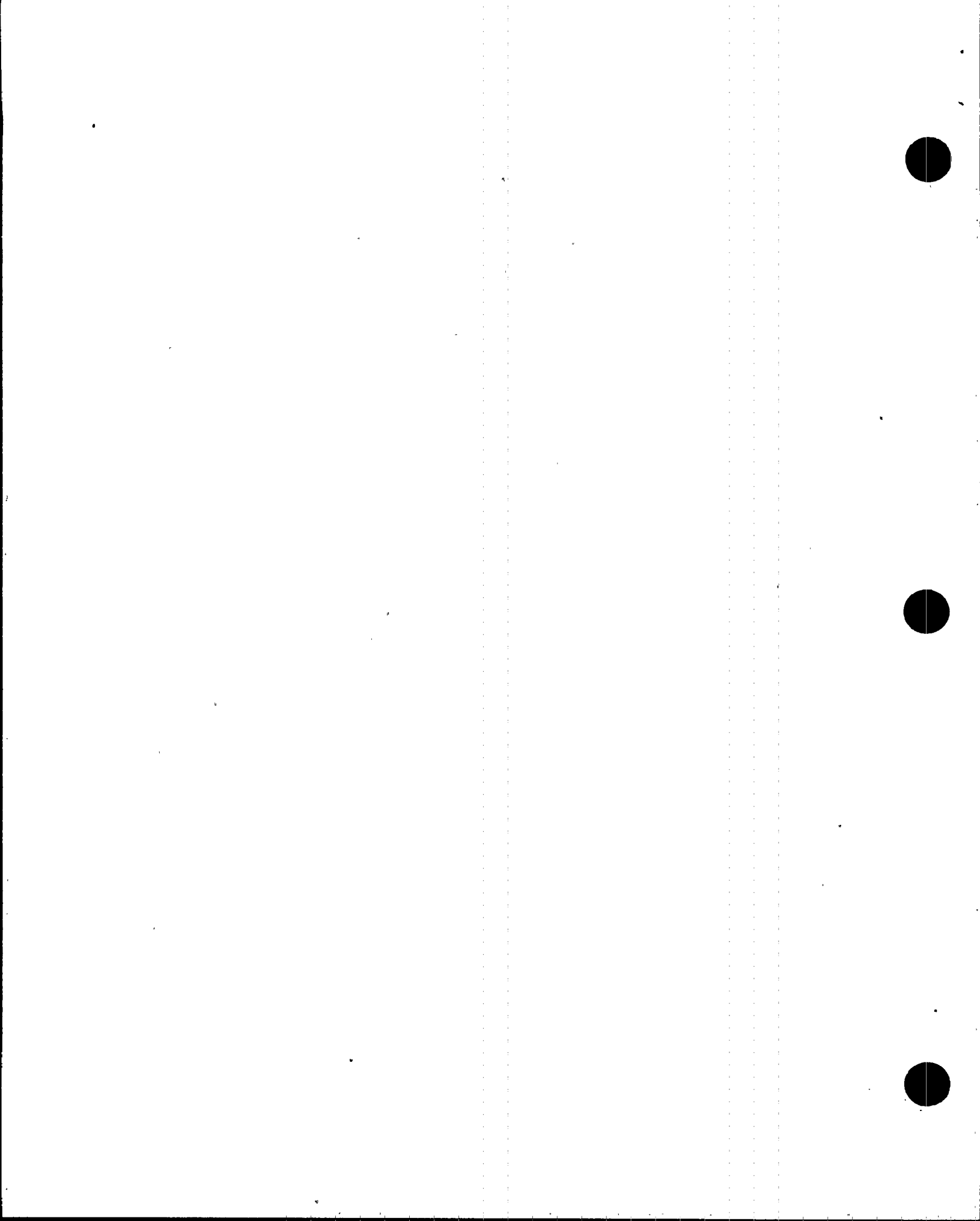


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PLANT SAFETY AND RELIABILITY IMPROVEMENTS

SPECIFIC UNIT 2 OUTAGE ACCOMPLISHMENTS

- ◆ REVISED INTEGRATED SAFEGUARDS TEST PROCEDURE
 - NEW PROCEDURE TESTS EACH TRAIN INDEPENDENTLY
 - ENSURES ONE COMPLETE TRAIN AVAILABLE FOR CORE COOLING
- ◆ ON-LINE TESTING OF MSSVs
- ◆ FULL CORE OFFLOAD ANALYSIS
- ◆ VALVE OVERHAUL SUPPORT
- ◆ AGGRESSIVE FLOW ACCELERATED CORROSION INSPECTION PROGRAM
- ◆ MSIV REFURBISHMENT SUPPORT
- ◆ COATINGS PROGRAMS





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PLANT SAFETY AND RELIABILITY IMPROVEMENTS

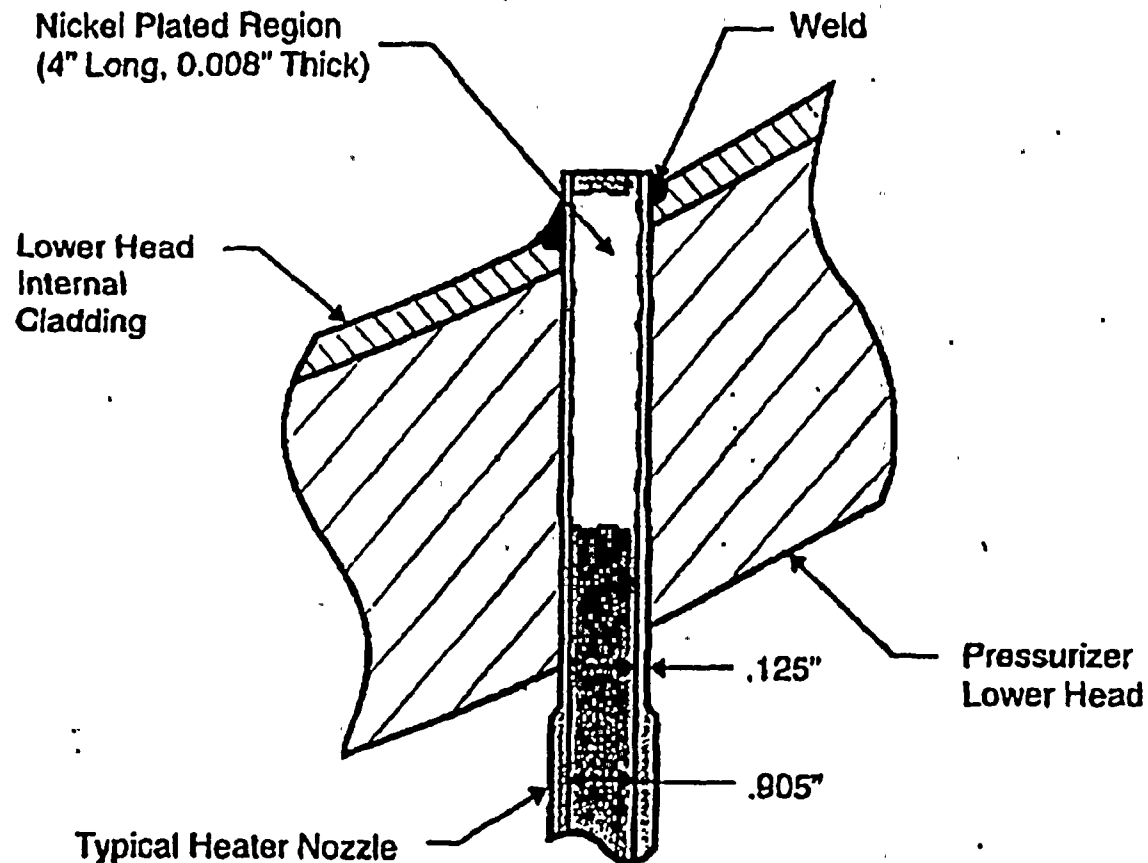
MODIFICATIONS PLANNED FOR UPCOMING 1997 UNIT 1 OUTAGE

- ◆ STEAM GENERATOR REPLACEMENT
- ◆ PRESSURIZER HEATER SLEEVE NICKEL PLATING
- ◆ QUICKLOC INCORE INSTRUMENT FLANGE DESIGN
- ◆ CEDMCS ACTM UPGRADE
- ◆ SIT FILL VALVE ACTUATOR UPGRADE
- ◆ TCW PUMP DISCHARGE CHECK VALVE ENHANCEMENT
- ◆ REFUELING TRANSFER TUBE VALVE OPERATOR TORQUE LIMITER



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Pressurizer Heater Nozzle

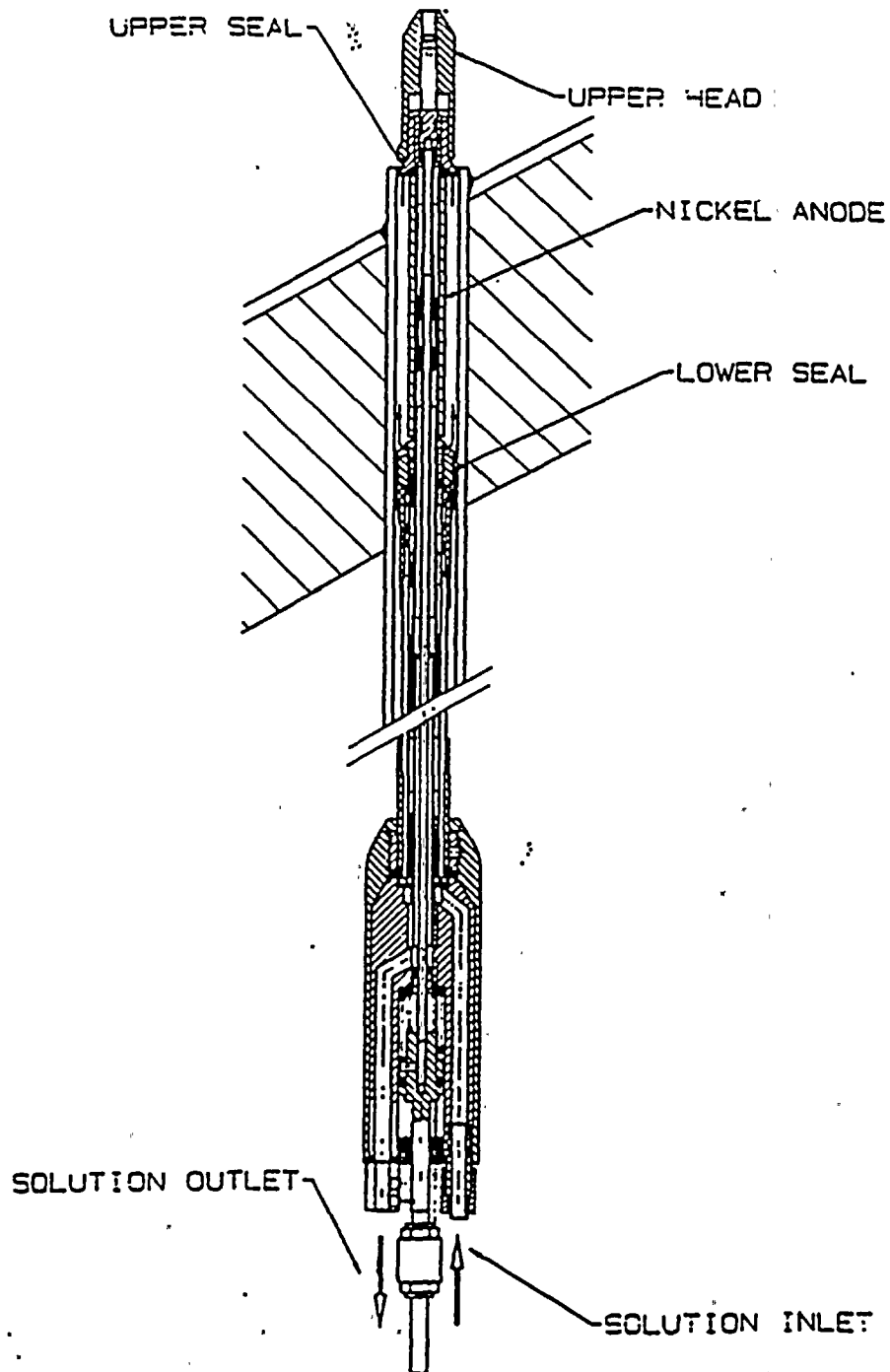


Typical Nickel Plated Nozzle



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HEATER SLEEVE END EFFECTOR





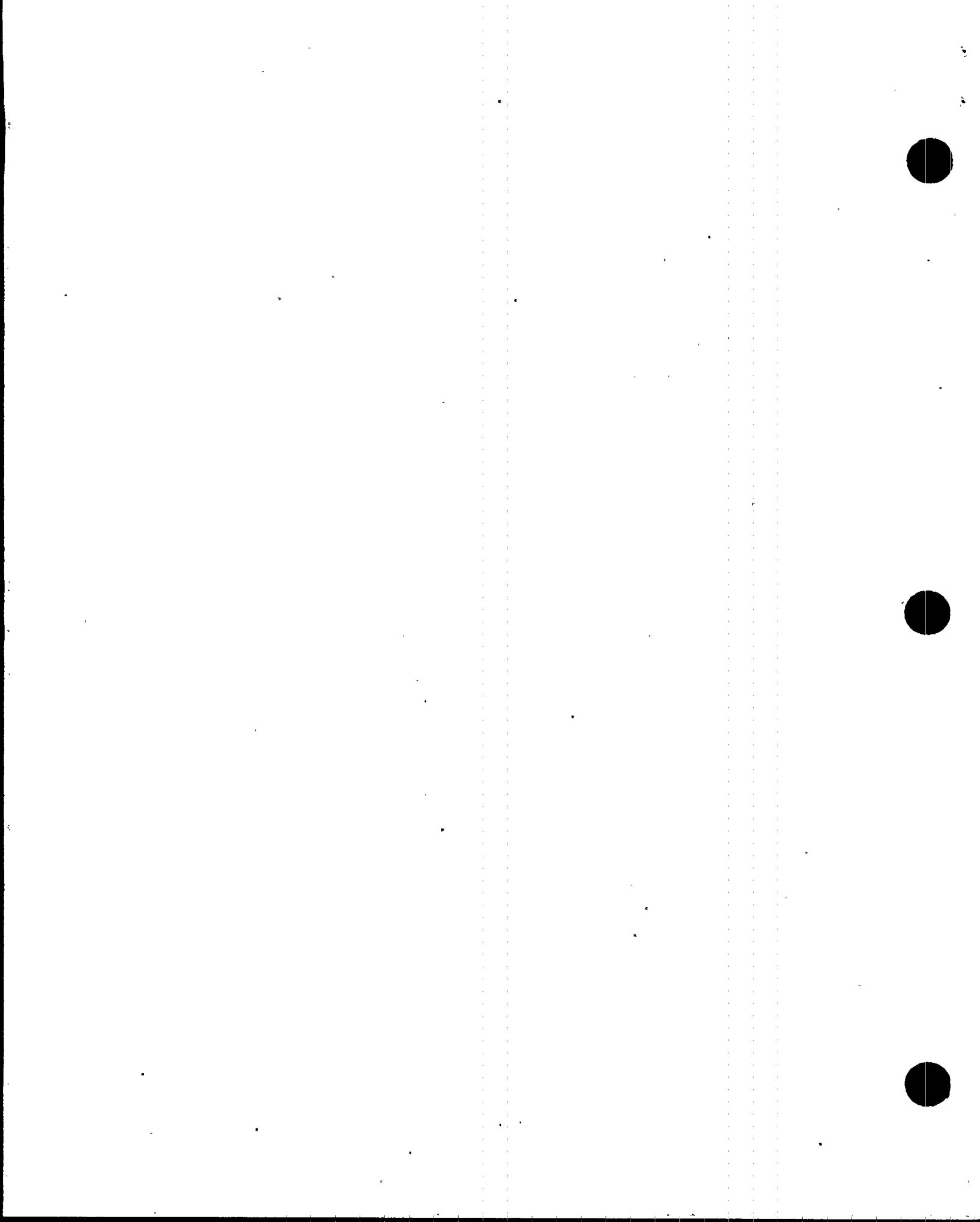


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DESIGN BASIS 50.54.(f) RESPONSE SUMMARY AND ACTIONS

CURRENT AND FUTURE ACTIONS

- ◆ **FSAR/OPERATING CONSISTENCY REVIEW**
 - **FINDINGS TO BE RESOLVED OVER NEXT TWO YEARS**
- ◆ **NEI INITIATIVE**
- ◆ **ANNUNCIATOR SUMMARY REVIEW**
 - **COMPLETION DATE OF DECEMBER 1998**
- ◆ **NRC A/E INSPECTION**
 - **NRC INSPECTION REPORT ISSUED 3/25/97**
 - **DESIGN OF INSPECTED SYSTEMS GOOD WITH ADEQUATE DESIGN MARGINS. IMPLEMENTATION OF DESIGN ADEQUATE.**
 - **FPL RESPONDED TO INSPECTION REPORT ON 5/27/97 AND PROVIDED ACTIONS PLANNED FOR FOLLOW-UP AND UNRESOLVED ITEMS**

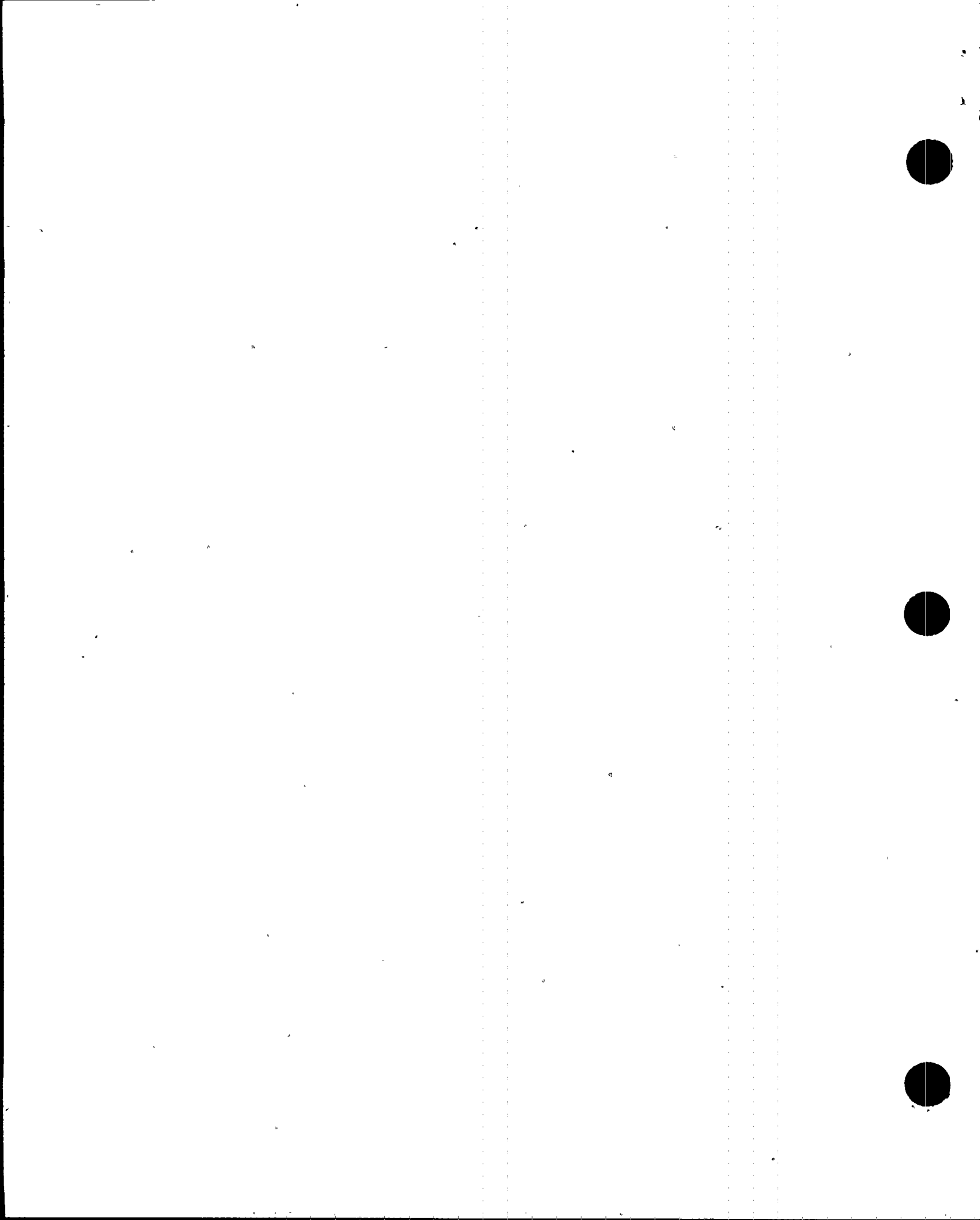




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VOLUNTARY FSAR REVIEW INITIATIVE

- ◆ ST. LUCIE HAS COMMITTED TO A GRADED REVIEW OF THE UNIT 1 & 2 FSAR
- ◆ REVIEW PRIORITIZED TO RISK SIGNIFICANT SYSTEMS
- ◆ CREDIT TAKEN FOR PREVIOUSLY INSPECTED SYSTEMS
- ◆ FOUR PRIORITY LEVELS ESTABLISHED
- ◆ PLANT FIRE PROTECTION SECTIONS INCLUDED WITH PRIORITY 2 REVIEW
- ◆ DISCOVERY PHASE FOR PRIORITY 1, 2, & 3 TO BE COMPLETE BY OCTOBER 18, 1998
- ◆ SELECTED CHAPTER 15 ACCIDENT ANALYSES TO BE UPDATED





ENGINEERING DEPARTMENT

CHALLENGES

- ◆ MAINTAINING AND IMPROVING CURRENT LEVEL OF PERFORMANCE
- ◆ RETAINING TALENTED PERSONNEL
- ◆ DEVELOPMENT OF ST. LUCIE SYSTEM ENGINEERING PROGRAM
- ◆ IMPROVING EQUIPMENT PERFORMANCE MONITORING AND TRENDING

SUMMARY

- ◆ STRONG DIRECT OPERATIONS AND MAINTENANCE SUPPORT
 - RESPONSIVE TO OPERATIONS PRIORITIES AND REQUESTS
 - GOOD TEAMWORK AND COMMUNICATION
- ◆ GOOD FOCUS ON PLANT SAFETY AND EQUIPMENT PERFORMANCE

