

FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules page 1 of 27

Florida Power and Light Co. 9250 W. Flagler, Miami, Fla.

1. Owner _____
(Name and address of Owner)St. Lucie Nuclear Power Plant (formerly Hutchinson Island),
P.O. Box 128, Ft. Pierce, Fl 334542. Plant _____
(Name and address of Plant)3. Plant Unit 14. Owner Certificate of Authorization (if required) N/A5. Commercial service date 21 DECEMBER 19766. National Board Number for Unit N/A

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province Number	National Board Number
RPV VESSEL	COMBUSTION ENG.	N/A	N/A	N/A
PRESSURIZER	COMBUSTION ENG	N/A	N/A	N/A
STM. GEN.	COMBUSTION ENG	N/A	N/A	N/A
RCP PUMP	COMBUSTION ENG	N/A	N/A	N/A
REACTOR COOLANT	EBASCO	N/A	N/A	N/A
SAFETY INJECTION	EBASCO	N/A	N/A	N/A
MAIN STEAM	EBASCO	N/A	N/A	N/A
FEEDWATER	EBASCO	N/A	N/A	N/A

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

8408170237 840814
PDR ADOCK 05000335
Q PDR

FORM NIS-1 (back)

8. Examination Dates 3-2-83 to 5-16-84
9. Inspection Interval from 3 1/3 YEARS to 6 2/3 YEARS
10. Abstract of Examination. Include a list of examinations and a statement concerning status of work required for current interval.
SEE ATTACHED SUPPLEMENT
11. Abstract of Conditions Noted.
SAME AS ITEM 10 ABOVE
12. Abstract of Corrective Measures Recommended and Taken.
SAME AS ITEM 10 ABOVE

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

Date 9 August 1984 Signed FLORIDA POWER & LIGHT CO. By George Poteb
Owner

Certificate of Authorization no. (if applicable) N/A Expiration date N/A

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of OHIO and employed by * of NORWOOD, MASS have inspected the components described in this Owners' Data Report during the period 3-2-83 to 5-16-84, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 9 August 1984

FACTORY MUTUAL SYSTEM

Charles A. Fialls

Commissions

NE-7719

Inspector's Signature National Board, state, Province and No.

* ARKWRIGHT BOSTON MFG'S MUTUAL INSURANCE COMPANY

SUPPLEMENTAL SHEET NIS-1

1. Owner: Florida Power & Light Co.
9250 West Flagler
Miami, Florida 33152
2. Plant: St. Lucie (formerly Hutchinson Island)
P.O. Box 128
Ft. Pierce, Florida 33454
3. Plant Unit : 1
4. Owner Certificate of Authorization : N/A
5. Commercial Service Date: 21 December 1976
6. National Board Number for Unit: N/A

10. REPORT NUMBER	ORGANIZATION	DESCRIPTION OF SERVICE
CIG-PSL-001	FPL	INSERVICE INSPECTION VOLUME I THROUGH VOLUME II
	SWRI	MECHANIZED EXAMINATION VOLUME I THROUGH VOLUME V
ECT-PSL-001	FPL	EDDY CURRENT EXAMINATION OF STEAM GENERATORS
IR-ISI-035	CE	REACTOR VESSEL VISUAL INTERNAL AND INTERIOR EXAMINATION REPORT
MET-2-1984	FPL	FEEDWATER PIPING REPORT
PC/M 108-32	CE	RPV CLOSURE HEAD MODIFICATIONS
PC/M 254-183	FPL	FEEDWATER PIPING REPLACEMENT
SWRI 5179	SWRI	1984 INSERVICE INSPECTION REPORT VOLUME I THROUGH VI
IR-ISI-029	CE	RPV CORE SUPPORT BARREL NONDESTRUCTIVE EXAMINATION REPORT SECTION I THROUGH III

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

1. Owner FLORIDA POWER & LIGHT CO.
name
P.O. BOX 529100 MIAMI, FLORIDA 33152

Date 9 AUGUST 1984

sheet 4 of 27

address
ST. LUCIE

1

2. Plant
name
P.O. BOX 128, FT. PIERCE, FL. 33454

Unit

PC/M NO. 108-82

address

repair organization P.O. No.
job No., etc.

3. work Performed by COMBUSTION ENG. INC.
name
1000 PROSPECT HILL ROAD
EAST WINDSOR, CONNECTICUT

NONE

Type Code Symbol Stamp

N/A

Authorization no.

N/A

Expiration Date

address

REACTOR PRESSURE VESSEL

4. Identification of system

5. (a) Applicable Construction Code SECTION III 1980 Edition,
1980 WINTER ADDENDA

(b) Applicable Edition of Section XI utilized for repairs or
replacements 1974 EDITION

6. Identification of components repaired or replaced and replacement
components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l Bd. No.	Crn No.	Other Identification	Year Built	Repaired Replaced or replacement	ASME Code stamped (yes,no)
RPV	CE	19367-150 19367-151	N/A	N/A	N/A	N/A	MODIFI- CATION	YES
RPV	CE	19367-152 19367-153	N/A	N/A	N/A	N/A	MODIFI- CATION	YES
RPV	CE	19367-154 19367-155	N/A	N/A	N/A	N/A	MODIFI- CATION	YES
RPV	CE	19367-156 19367-157	N/A	N/A	N/A	N/A	MODIFI- CATION	YES

FORM NIS-2

SEE SUPPLEMENT SHEET, PAGE 6 OF 27

7. Description of work _____
8. Tests Conducted: Hydrostatic X Pneumatic _____ Nominal Operating Pressure _____
Other _____ Pressure 2340 psi Test Temp. 400 F
- ICCS MODIFICATION TO THE REACTOR PRESSURE VESSEL CLOSURE
9. Remarks _____
(Applicable Manufacturer's Data Report to be attached)
HEAD, N2 DATA REPORT FOR THE RVLMS FLANGE ASSEMBLIES ARE ATTACHED

CERTIFICATE OF COMPLIANCE

To certify that the statements made in this report are correct and this
MODIFICATION conforms to Section XI of the ASME Code.
(Repair or Replacement)

Signed

George F. Fitch
(Owner or Owner's Designee)

PNS SECTION SUPERVISOR
(Title)

9 AUG 1984
(Date)

CERTIFICATE OF 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 OHIO employed by ** of NORWOOD, MASS have inspected the MODIFICATION described in this report on 9 AUGUST 1984 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer takes any warranty, expressed or implied, concerning the repair or replacement described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 8-9-84 *Charles A. Fitch*
(Inspector)

NB-7719
Commissions FACTORY MUTUAL SYSTEMS

(State or Province, National Board)

1. OWNER: FLORIDA POWER & LIGHT DATE: 9 AUGUST 1984
P.O. BOX 529100
MIAMI, FLORIDA 33152
2. PLANT: ST. LUCIE UNIT: 1
P.O. BOX 128
FT. PIERCE, FLORIDA 33454
3. WORK COMBUSTION ENGINEERING JOB NO. PC/M 108-82
PERFORMED 1000 Prospect Hill Road
BY: EAST WINDSOR, CONNECTICUT
4. IDENTIFICATION REACTOR PRESSURE VESSEL HEAD
OF SYSTEM:
7. DESCRIPTION COMBUSTION ENGINEERING PERFORMED THE DESIGN AND
OF WORK: FABRICATION OF THE FLANGE ASSEMBLY.
- COMBUSTION ENGINEERING PERFORMED THE INSTALLATION
AND WELDING OF THE RVLMS FLANGE ASSEMBLY.
- COMBUSTION ENGINEERING PERFORMED THE INSTALLATION
OF THE INSTRUMENTATION LINES.
- COMBUSTION ENGINEERING PERFORMED THE STRESS ANALYSIS
ON THE RPV ICI FLANGES.
- COMBUSTION ENGINEERING PERFORMED VISUAL AND LIQUID
PENETRANT EXAMINATION ON THE BUTT WELDS.
- FPL PERFORMED THE HYDROSTATIC PRESSURE TESTS.
- FPL PLANT QC BACKFIT PERFORMED THE RADIOGRAPHIC
EXAMINATIONS.

FORM N-2 MANUFACTURER'S DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*

As required by the Provisions of the ASME Code Rules Page 7 of 27

1. (a) Manufactured by Combustion Engineering Inc., East Windsor, Connecticut - 3
(Name and address of Manufacturer of part)
- (b) Manufactured for Florida Power and Light Co., St. Lucie Plant, Unit 1
(Name and address of Manufacturer of completed nuclear component)
2. Identification-Manufacturer's Serial No. of Part 19367-150 Nat'l Bd. No. N/A
- (a) Constructed According to Drawing No. E-19367-165-011 Drawing Prepared by Nuclear Products Manufacturing
- (b) Description of Part Inspected Flange Adapter Assembly
Winter
- (c) Applicable ASME Code: Section III, Edition 1980, Addenda date 1980, Case No. N/A Class 1
- Remarks: Pressure Containment Appurtenance for an In Core Instrumentation Flange
(Brief description of service for which component was designed)
Assembly. This appurtenance is attached by welding to a Closure Head Instrument
Nozzle.

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are not the responsibility of the part Manufacturer. An appurtenance Manufacturer is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 2/23 19 83 Signed Combustion Eng. Inc. By K.C. Tolides
(Manufacturer) K.C. Tolides-Quality Control Mang.
Certificate of Authorization Expires April 7, 1984 Certificate of Authorization No. N2089

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Combustion Engineering Inc., East Windsor, Connecticut
Stress analysis report on file at Combustion Engineering Inc., East Windsor, Connecticut
Design specifications certified by D.J. McLaughlin Prof. Eng. State Ct. Reg. No. 7955
Stress analysis report certified by Frank P. Hill Jr. Prof. Eng. State Tenn Reg. No. 5275

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Hartford and employed by Hartford Steam Boiler I & I Co. of Hartford, Connecticut have inspected the part of a pressure vessel described in this Manufacturer's Partial Data Report on 2/23 19 83, and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturer's Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 2/23 19 83
[Signature] Commissions CT 1126
Inspector's Signature National Board, State, Province and No.

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1-2 on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3, "Remarks".

(a) Manufactured by Combustion Engineering Inc., East Windsor, Connecticut - 3
(Name and address of Manufacturer of part)

(b) Manufactured for Florida Power and Light Co., St. Lucie Plant, Unit 1
(Name and address of Manufacturer of completed nuclear component)

2. Identification-Manufacturer's Serial No. of Part 19367-151 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. E-19367-165-01 Drawing Prepared by Nuclear Products Manufacturing

(b) Description of Part Inspected Flange Adapter Assembly
Winter

(c) Applicable ASME Code: Section III, Edition 1980, Addenda date 1980, Case No. N/A Class 1

Remarks: Pressure Containment Appurtenance for an In Core Instrumentation Flange
(Brief description of service for which component was designed)
Assembly. This appurtenance is attached by welding to a Closure Head Instrument
Nozzle.

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
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(Manufacturer) K.C. Tolides-Quality Control Mang.

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Stress analysis report certified by Frank P. Hill Jr. Prof. Eng. State Tenn Reg. No. 5275

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Date 2/23 19 83

C. J. Gabor
Inspector's Signature

Commissions

CT 1126

National Board, State, Province and No.

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(a) Manufactured by Combustion Engineering Inc., East Windsor, Connecticut - 3
(Name and address of Manufacturer of part)(b) Manufactured for Florida Power and Light Co., St. Lucie Plant, Unit 1
(Name and address of Manufacturer of completed nuclear component)2. Identification-Manufacturer's Serial No. of Part 19367-152 Nat'l Bd. No. N/A(a) Constructed According to Drawing No. E-19367-165-01 Drawing Prepared by Nuclear Products Manufacturing(b) Description of Part Inspected Flange Adapter AssemblyWinter(c) Applicable ASME Code: Section III, Edition 1980, Addenda date 1980, Case No. N/A Class 1Remarks: Pressure Containment Appurtenance for an In Core Instrumentation Flange
(Brief description of service for which component was designed)Assembly. This appurtenance is attached by welding to a Closure Head Instrument
Nozzle.

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
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Date 2/23 19 83Inspector's Signature [Signature]

Commissions

CT 1126
National Board, State, Province and No.

(a) Manufactured by Combustion Engineering Inc., East Windsor, Connecticut - 3
(Name and address of Manufacturer of part)(b) Manufactured for Florida Power and Light Co., St. Lucie Plant, Unit 1
(Name and address of Manufacturer of completed nuclear component)2. Identification-Manufacturer's Serial No. of Part 19367-153 Nat'l Bd. No. N/A(a) Constructed According to Drawing No. E-19367-165-01 Drawing Prepared by Nuclear Products Manufacturing(b) Description of Part Inspected Flange Adapter AssemblyWinter(c) Applicable ASME Code: Section III, Edition 1980, Addenda date 1980, Case No. N/A Class 1Remarks: Pressure Containment Appurtenance for an In Core Instrumentation Flange
(Brief description of service for which component was designed)Assembly. This appurtenance is attached by welding to a Closure Head Instrument
Nozzle.

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are not the responsibility of the part Manufacturer. An appurtenance Manufacturer is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 2/23 19 83 Signed Combustion Eng. Inc. By K.C. Tolides
(Manufacturer) K.C. Tolides-Quality Control Mang.
Certificate of Authorization Expires April 7, 1984 Certificate of Authorization No. N2089

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Combustion Engineering Inc., East Windsor, ConnecticutStress analysis report on file at Combustion Engineering Inc., East Windsor, ConnecticutDesign specifications certified by D.J. McLaughlin Prof. Eng. State Ct. Reg. No. 7955Stress analysis report certified by Frank P. Hill Jr. Prof. Eng. State Tenn Reg. No. 5275

CERTIFICATE OF SHOP INSPECTION

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

Date 2/23 19 83K. C. Tolides
Inspector's Signature

Commissions

CT 1126
National Board, State, Province and No.

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FORM N-2 MANUFACTURERS DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*

As required by the Provisions of the ASME Code Rules

Page 14 of 27

(a) Manufactured by Combustion Engineering Inc., East Windsor, Connecticut - 3
(Name and address of Manufacturer of part)

(b) Manufactured for Florida Power and Light Co., St. Lucie Plant, Unit 1
(Name and address of Manufacturer of completed nuclear component)

2. Identification-Manufacturer's Serial No. of Part 19367-154 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. E-19367-165-01b Drawing Prepared by Nuclear Products Manufacturing

(b) Description of Part Inspected Flange Adapter Assembly

Winter

(c) Applicable ASME Code: Section III, Edition 1980, Addenda date 1980, Case No. N/A Class 1

Remarks: Pressure Containment Appurtenance for an In Core Instrumentation Flange
(Brief description of service for which component was designed)

Assembly. This appurtenance is attached by welding to a Closure Head Instrument
Nozzle.

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.

(The applicable Design Specification and Stress Report are not the responsibility of the part Manufacturer. An appurtenance Manufacturer is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 2/23 19 83 Signed Combustion Eng. Inc. By K.C. Tolides
(Manufacturer) K.C. Tolides-Quality Control Mang.
Certificate of Authorization Expires April 7, 1984 Certificate of Authorization No. N2089

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

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Design specifications certified by D.J. McLaughlin Prof. Eng. State Ct. Reg. No. 7955

Stress analysis report certified by Frank P. Hill Jr. Prof. Eng. State Tenn Reg. No. 5275

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Page 16 of 27

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(Name and address of Manufacturer of part)

(b) Manufactured for Florida Power and Light Co., St. Lucie Plant, Unit 1
(Name and address of Manufacturer of completed nuclear component)

2. Identification-Manufacturer's Serial No. of Part 19367-155 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. E-19367-165-011 Drawing Prepared by Nuclear Products Manufacturing

(b) Description of Part Inspected Flange Adapter Assembly

Winter

(c) Applicable ASME Code: Section III, Edition 1980, Addenda date 1980, Case No. N/A Class 1

Remarks: Pressure Containment Appurtenance for an In Core Instrumentation Flange
(Brief description of service for which component was designed)

Assembly. This appurtenance is attached by welding to a Closure Head Instrument Nozzle.

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
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Inspector's Signature National Board, State, Province and No.

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As required by the Provisions of the ASME Code Rules

Page 18 of 27

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(Name and address of Manufacturer of part)
(b) Manufactured for Florida Power and Light Co., St. Lucie Plant, Unit 1
(Name and address of Manufacturer of completed nuclear component)

2. Identification-Manufacturer's Serial No. of Part 19267-156 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. E-19367-155-01 Drawing Prepared by Nuclear Products Manufacturing
(b) Description of Part Inspected Flange Adapter Assembly
Winter
(c) Applicable ASME Code: Section III, Edition 1980, Addenda date 1980, Case No. N/A Class 1

Remarks: Pressure Containment Appurtenance for an In Core Instrumentation Flange
(Brief description of service for which component was designed)
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Nozzle.

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(Manufacturer) K.C. Tolides-Quality Control Mang.
Certificate of Authorization Expires April 7, 1984 Certificate of Authorization No. N2089

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Stress analysis report certified by Frank P. Hill Jr. Prof. Eng. State Tenn Reg. No. 5275

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Hartford and employed by Hartford Steam Boiler I & I Co. of Hartford, Connecticut have inspected the part of a pressure vessel described in this Manufacturer's Partial Data Report on 2/23 19 83, and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Code Section III.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturer's Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 2/23 19 83
[Signature] Commissions CT 1126
Inspector's Signature National Board, State, Province and No.

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1-2 on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3, "Remarks".

(a) Manufactured by Combustion Engineering Inc., East Windsor, Connecticut - 3
(Name and address of Manufacturer of part)(b) Manufactured for Florida Power and Light Co., St. Lucie Plant, Unit 1
(Name and address of Manufacturer of completed nuclear component)2. Identification-Manufacturer's Serial No. of Part 19267-157 Nat'l Bd. No. N/A(a) Constructed According to Drawing No. E-19367-155-01b Drawing Prepared by Nuclear Products Manufacturing(b) Description of Part Inspected Flange Adapter AssemblyWinter(c) Applicable ASME Code: Section III, Edition 1980, Addenda date 1980, Case No. N/A Class 1Remarks: Pressure Containment Appurtenance for an In Core Instrumentation Flange
(Brief description of service for which component was designed)Assembly. This appurtenance is attached by welding to a Closure Head Instrument
Nozzle.

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are not the responsibility of the part Manufacturer. An appurtenance Manufacturer is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 2/23 19 83 Signed Combustion Eng. Inc. By K.C. Tolides
(Manufacturer) K.C. Tolides-Quality Control Mang.
Certificate of Authorization Expires April 7, 1984 Certificate of Authorization No. N2089

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at Combustion Engineering Inc., East Windsor, ConnecticutStress analysis report on file at Combustion Engineering Inc., East Windsor, ConnecticutDesign specifications certified by D.J. McLaughlin Prof. Eng. State Ct. Reg. No. 7955Stress analysis report certified by Frank P. Hill Jr. Prof. Eng. State Tenn Reg. No. 5275

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid Commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Hartford and employed by Hartford Steam Boiler I & I Co. of Hartford, Connecticut have inspected the part of a pressure vessel described in this

Manufacturer's Partial Data Report on 2/23 19 83, and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the ASME Code Section III.

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

Date 2/23 19 83Inspector's Signature [Signature] Commissions CT 1126

National Board, State, Province and No.

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8 1/2" x 11", (2) information in items 1-2 on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded in item 3, "Remarks".

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

1. Owner FLORIDA POWER & LIGHT CO.
name
P.O. BOX 529100 MIAMI, FLORIDA 33152
address
ST. LUCIE

Date 9 AUGUST 1984

sheet 22 of 27

1

2. Plant
name
P.O. BOX 128, FT. PIERCE, FL. 33454
address

Unit

PC/M NO. 254-183

repair organization P.O. No.
job No., etc.

3. Work Performed by SEE ATTACHED SUPPLEMENT
name

NONE

Type Code Symbol Stamp

N/A

Authorization no.

N/A

Expiration Date

address

STEAM GENERATOR FEEDWATER SYSTEM

4. Identification of system

5. (a) Applicable Construction Code SECTION III 1965 Edition,
1967 WINTER ADDENDA & B31-7 1969 EDITION

(b) Applicable Edition of Section XI utilized for repairs or
replacements 1974 EDITION TO SUMMER 1975

6. Identification of components repaired or replaced and replacement
components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l Bd. No.	Crn No.	Other Identification	Year Built	Repaired Replaced or replacement	ASME Code stamped (yes,no)
FW NOZZLE SAFE END	CE	32583-1	N/A	N/A	18-BF-51	N/A	REPLACE- -MENT	NO
	CE	32583-2	N/A	N/A	18-BF-52	N/A	REPLACE- -MENT	NO
ELBOWS	HUB, INC	N/A	N/A	N/A	18-BF-51	N/A	REPLACE- -MENT	NO
	HUB, INC	N/A	N/A	N/A	18-BF-52	N/A	REPLACE- -MENT	NO

FORM NIS-2

SEE SUPPLEMENT SHEET, PAGE 24 OF 27

7. Description of work _____
8. Tests Conducted: Hydrostatic X Pneumatic _____ Nominal Operating Pressure
Other _____ Pressure 1250 psi Test Temp. 100 F
9. Remarks _____
(Applicable Manufacturer's Data Report to be attached)
REPLACEMENT. LOOP A & B

NOTE; NO MANUFACTURER'S DATA REPORTS ARE ATTACHED

CERTIFICATE OF COMPLIANCE

To certify that the statements made in this report are correct and this REPLACEMENT conforms to Section XI of the ASME Code.
(Repair or Replacement)

Signed

George J. Stolt
(Owner or Owner's Designee)

PNS SECTION SUPERVISOR
(Title)

9 AUG 1984
(Date)

CERTIFICATE OF 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 OHIO employed by ** of NORWOOD, MASS have inspected the REPLACEMENT described in this report on 9 AUGUST 1984 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer takes any warranty, expressed or implied, concerning the repair or replacement described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 8-9-84 *Charles C. Frullo*
(Inspector)

NB-7719
Commissions FACTORY MUTUAL SYSTEMS

(State or Province, National Board)

1. OWNER: FLORIDA POWER & LIGHT DATE: 9 AUGUST 1984
P.O. BOX 529100
MIAMI, FLORIDA 33152

2. PLANT: ST. LUCIE UNIT: 1
P.O. BOX 128
FT. PIERCE, FLORIDA 33454

3. WORK PERFORMED BY: SEE BELOW DESCRIPTION JOB NO. PC/M 254-183

4. IDENTIFICATION OF SYSTEM: STEAM GENERATOR FEEDWATER NOZZLE SAFE END AND ELBOWS REPLACEMENT

7. DESCRIPTION OF WORK:

COMBUSTION ENGINEERING PERFORMED THE DESIGN AND FABRICATION OF THE SAFE END SPOOL PIECE. (ASME SA-106, GRADE C) I.D. 15.812", O.D. 18.12"

COMBUSTION ENGINEERING PERFORMED THE ENGINEERING SUPPORT OF THIS REPLACEMENT.

COMBUSTION ENGINEERING PERFORMED THE FINAL STRESS ANALYSIS.

HUB, INC. PROVIDED THE (2) EACH 18" SCHEDULE 80, 90 DEGREE LONG RADIUS ELBOWS. (ASTM A-234, GRADE WPB)

BECHTEL ENGINEERING PERFORMED THE WELDING ON THE REPLACEMENT COMPONENTS.

FPL PERFORMED THE HYDROSTATIC PRESSURE TESTS.

FPL CODES & INSPECTIONS PERFORMED THE BASELINE EXAMINATIONS PRIOR TO STARTING UP THE PLANT.

THE PLUGS AND PATCHES.

THE RESULTS WERE DOCUMENTED ON VIDEO TAPES AND PHOTOGRAPHS.

THE RESULTS ARE AS FOLLOWS:

- 1) NO NEW CRACKS OR CRACK LIKE INDICATIONS WERE DISCOVERED AS A RESULT OF THE INSTALLATION OF THE PLUGS AND PATCHES.
- 2) KNOWN CRACKS OR CRACK LIKE INDICATIONS WITHIN THE REPAIRED AREA WERE EXAMINED AND DOCUMENTED.
- 3) NICKS, SCRATCHES AND SHINY AREAS AROUND THE REPAIRED AREA WERE NOTED FOR FUTURE REFERENCE.

CERTIFICATE OF COMPLIANCE

To certify that the statements made in this report are correct and the examinations performed were in accordance with Section XI of the ASME Code.

Signed *George J. Gatti*
(Owner or Owner's Designee)

PNS SECTION SUPERVISOR 9 AUG 1984
(Title) (Date)

EDDY CURRENT EXAMINATION RESULTS

PLANT: ST. LUCIE UNIT NO. 1

EXAMINATION DATES: FROM 8 MARCH 1984 THRU 5 APRIL 1984

STEAM GEN. NO.	TOTAL TUBES INSPE- CTED	TOTAL INDICATION > OR = TO 20% TO 39%	TOTAL INDICATION > OR = TO 40% TO 100%	TOTAL TUBES PLUGGED AS PREVENTIVE MAINTAINANCE	TUBES PLUGGED IN ERROR	TOTAL TUBES PLUGGED
SG 1A	100%	81	45	136	1	263
SG 1B	100%	104	14	122	3	243

LOCATION OF INDICATIONS

STEAM GEN.	APEX OF U-BENDS	EGGCRATES 1 THRU 5	TOP OF TUBE SHEET TO 1 ST. EGGCRATE	DRILLED SUPPORT PLATE
SG 1A	64	20	17	25
SG 1B	91	11	4	12

CERTIFICATION OF RECORD

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

FLORIDA POWER & LIGHT COMPANY
(Organization)

DATE 9 AUGUST 1984

BY

George Poter

FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules page 1 of 2

Florida Power and Light Co. 9250 W. Flagler, Miami, Fla.

1. Owner _____
(Name and address of Owner)

St. Lucie Nuclear Power Plant (formerly Hutchinson Island),
P.O. Box 128, Ft. Pierce, Fl 33454

2. Plant _____
(Name and address of Plant)

3. Plant Unit 1

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

5. Commercial service date 21 DECEMBER 1976

6. National Board Number for Unit N/A

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province Number	National Board Number
RPV VESSEL	COMBUSTION ENG.	N/A	N/A	N/A
PRESSURIZER	COMBUSTION ENG	N/A	N/A	N/A
STM. GEN.	COMBUSTION ENG	N/A	N/A	N/A
REACTOR COOLANT	EBASCO	N/A	N/A	N/A
SAFETY INJECTION	EBASCO	N/A	N/A	N/A
MAIN STEAM	EBASCO	N/A	N/A	N/A
FEEDWATER	EBASCO	N/A	N/A	N/A

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

FORM NIS-1 (back)

8. Examination Dates 3-2-83 to 5-16-84
9. Inspection Interval from 6 2/3 YEARS to 10 YEARS
10. Abstract of Examination. Include a list of examinations and a statement concerning status of work required for current interval.

This report satisfies the first outage of the last period of commercial operation. (see SWRI FINAL REPORT 5179)

11. Abstract of Conditions Noted.

See SWRI Report 5179 " 1984 Inservice Inspection Report Vol 1 - 6 "

12. Abstract of Corrective Measures Recommended and Taken.

ALL AREAS REQUIRING CORRECTIVE ACTIONS WERE DISPOSITIONED

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

Date 9 AUGUST 1984 Signed FLORIDA POWER & LIGHT CO By [Signature]
Owner

Certificate of Authorization no. (if applicable) N/A Expiration date N/A

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of OHIO and employed by * of NORWOOD, MASS have inspected the components described in this Owners' Data Report during the period 3-2-83 to 5-16-84, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 8-9 1984 FACTORY MUTUAL SYSTEM
Charles A. Fields Commissions NB-7719
Inspector's Signature National Board, state, Province and No.

* ARKWRIGHT BOSTON MFG'S MUTUAL INSURANCE COMPANY