

Equipment Certs.

[illegible]

Instrument No. SAP 101310Date: 01-16-01

# CERTIFICATE OF CALIBRATION

1. Customer WesDyne International  
2. Location WesDyne, Waltz Mill  
3. Instrument Calibration UT - Scope  
4. Manufacturer Staveley  
5. Model Number Sonic 136  
6. Serial Number 136 - 911K

7. Reason for Submission  
Calibration ☒  
Operational Failure ☐  
Modifications ☐  
8. Date of Last Calibration 02-14-00  
9. Recall Period 12 Months  
10. Recall Date 01-16-02

1. Calibration: Full ☒ Limited ☐  
Ranges (Limited) \_\_\_\_\_

2. Calibration Location WesDyne  
Waltz Mill  
QA Cal. Lab ☐  
3. Temperature 72 °F  
4. Relative Humidity 45 %

1. Instrument Found:  
Within Acceptance Tolerance ☒  
Outside Acceptance Tolerance ☐  
Tolerances Underterminable ☐  
due to: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Actual Cal. Data/Info on Back ☐

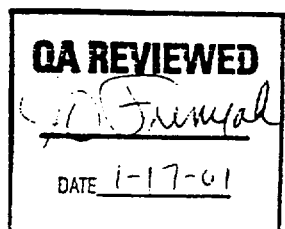
2. Instrument Returned:  
Within Acceptance Tolerance ☒  
With Limited Calibration ☐  
Rejected due to: \_\_\_\_\_  
3. Calibration Procedure:  
Manufacturer's ☐  
Procedure No. WCAL-012, Rev. 0 ☒  
Established Methods ☐

## NIST Traceable Calibration Standards / Equipment Used

Manufacturer	Model No.	Inst. No.	Recall Date	Notes
KBA	009TNP	0 <sup>0</sup>	N/A	

Calibrated by : William G. HalleySignature : William G. Halley**WESDYNE**  
INTERNATIONAL

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APPENDIX A - FORM 1

ULTRASONIC INSTRUMENT CHECKLIST

INSTRUMENT MANUFACTURER Staveley DATE 01-16-01  
SERIAL NUMBER 136-911K SAP NUMBER 101310

MECHANICAL INSPECTION	SAT	UNSAT
1. ALL SCREWS AND NUTS PROPERLY TIGHTENED	X	
2. ALL KNOBS IN PLACE AND TIGHTENED	X	
3. ALL POTENTIOMETERS AND DIALS TURN FREELY	X	
4. ALL KEY PADS FUNCTION PROPERLY	X	
5. ALL SWITCHES FUNCTION PROPERLY	X	
6. ALL CONNECTORS CLEAN AND TIGHTENED	X	
7. CRT MECHANICALLY SECURE AND READABLE	X	
8. HANDLES SECURE AND FUNCTIONAL	X	
9. COMPLETE UNIT CLEAN	X	

ELECTRICAL INSPECTION	SAT	UNSAT
1. UNIT FUNCTIONS ON BATTERY POWER	X	
2. CRT ALIGNED ON VERTICAL AND HORIZONTAL GRATICLE LINES	X	
3. BACK LIGHT OPERABLE	X	
4. LOW BATTERY WARNING SYSTEM OPERATES	X	
5. dB SWITCHES OPERATE PROPERLY	X	
6. REJECT FUNCTIONS PROPERLY	X	
7. FILTER FUNCTIONS PROPERLY	X	
8. DAMPING FUNCTIONS PROPERLY	X	

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ACCEPT X REJECT \_\_\_\_\_

LEVEL II EXAMINER

*William E. Hall*

WCAL-012-FORM 1-Rev.0 9-00

APPENDIX B – FORM 2

ULTRASONIC INSTRUMENT LINEARITY CHECKLIST

PROCEDURE WCAL – 012, Rev. 0 DATE 01-16-01  
SAP NUMBER 101310  
LEVEL II EXAMINER William G. Halley

EQUIPMENT

INSTRUMENT		TRANSDUCER	
MAKE	<u>Staveley</u>	SIZE	<u>0.5"</u>
MODEL	<u>Sonic 136</u>	FREQUENCY	<u>2.25 MHz</u>
SERIAL NO	<u>136-911K</u>	SERIAL NO	<u>009TNP</u>
COUPLANT	<u>Sonotrace 40 Batch #94243</u>	ANGLE	<u>0°</u>

SCREEN HEIGHT LINEARITY									
1st Signal	100%	90%	80%	70%	60%	50%	40%	30%	20%
2nd Signal	50%	45%	40%	35%	30%	25%	20%	15%	10%

Note: Readings must be 50% of the larger amplitude and within 5% of full screen height

AMPLITUDE CONTROL LINEARITY			
Indication set at % of Full Screen	dB Control Change	Indication Limits % of Full Screen	ACTUAL READING
80%	-6 dB	32 to 48%	40%
80%	-12 dB	16 to 24%	20%
40%	+ 6 dB	64 to 96%	80%
20%	+ 12 dB	64 to 96%	80%

Note : Readings must be estimated to the nearest 1% of full screen

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ACCEPT X REJECT \_\_\_\_\_



221 Crescent Street Suite 1  
Waltham, MA 02453-3497 USA  
TEL: (781) 898-2719  
E-mail: [ndt@panametrics.com](mailto:ndt@panametrics.com)

ISO 9001 CERTIFIED

# Certificate of Calibration

Form NDT 259F  
Certificate Number 2004881

Customer: SOUTHERN NUCLEAR OPERATIONS  
NDT Sales Order/RA: RA32657C  
Gage Model: 36DLPLUS S/N: 982068912  
Gage Status: After Repair Transducer Status: New  
Operational Software: 1.05/1.20A  
Transducer Model: D790-SM S/N: 99134  
Temperature: 77 F Humidity: 33 %

This certifies that calibration of the above ultrasonic thickness gaging system has been verified within the tolerance and measurement range indicated below, using calibration standards with measured thickness traceable to the National Institute of Standards and Technology (N.I.S.T.). The calibration standard material is CARBON STEEL. The test procedure used conforms to the requirements of ISO-9001 section 4.10.

All units below are: Inches

System Calibration Data					
Test-block S/N	Certified Length inches/mm	Measured Length inches/mm	Deviation inches/mm	Tolerance +/-Inches/mm	Within Tolerance?
296	.0387	.040	.0013	.002	YES
297	.0772	.078	.0008	.002	YES
298	.1961	.197	.0009	.002	YES
299	.3924	.393	.0006	.002	YES
300	.7866	.786	-.0006	.002	YES
301	1.9670	1.968	.0010	.002	YES
302	3.9370	3.937	.0000	.002	YES
N/A	N/A	N/A	N/A	N/A	N/A

Gage Setup: N/A

Gage Velocity after Calibration: .2328 inches/us

Gage Zero after Calibration: 4809

Note: The measurement accuracy of any ultrasonic gaging system is dependent on the performance and proper usage of both the gage and transducer. This certificate of calibration identifies the part number and serial number of the transducer used to make the recorded measurements. System performance with other transducers may differ, especially with transducers that have been subjected to excessive wear or overheating. The user assumes responsibility for verifying system accuracy if the gage is used with transducers other than the one identified on this certificate. It is the responsibility of the user to periodically verify system calibration as outlined in the instrument operating manual.

Comments: THE D790-SM TRANSDUCER # 99134 IS OWNED BY PANAMETRICS

With the exception of cosmetic tests on repaired gages, does the above gage pass all test requirements of Panametrics procedure #714-641? <<YES>>

Special Setup Approval: N/A

Technician: Thao Le/Test Technician

Date: JANUARY 8, 2001

Signature: Thao Le

NONDESTRUCTIVE TEST DIVISION  
FAX: (781) 898-1552

**J. M. FARLEY UNIT 1  
RF-17  
MAGNETIC PARTICLE EQUIPMENT**

[illegible]

Instrument SAP No. 102172Date: 02-12-01

# CERTIFICATE OF CALIBRATION

1. Customer WesDyne International  
2. Location Waltz Mill  
3. Instrument Calibration Y-6 Yoke  
4. Manufacturer Magnaflux  
5. Model Number Y-6  
6. Serial Number A999603

7. Reason for Submission  
Calibration ☒  
Operational Failure ☐  
Modifications ☐  
8. Date of Last Calibration 01-12-98  
9. Recall Period 12 Months  
10. Recall Date 02-12-02

1. Calibration: Full ☒ Limited ☐ Ranges (Limited) \_\_\_\_\_  
2. Temperature 70 °F

1. Instrument Found:  
Within Acceptance Tolerance ☒  
Outside Acceptance Tolerance ☐  
Rejected due to: \_\_\_\_\_  
2. Instrument Returned:  
Within Acceptance Tolerance ☒  
With Limited Calibration ☐  
Rejected due to: ☐

Standard Used: 102156 Cal. Date 01-22-01 Cal. Due 01-22-04  
Cal. Date \_\_\_\_\_ Cal. Due \_\_\_\_\_

## GENERAL MAINTENANCE: (CHECK ONE BLOCK FOR EACH)

	GOOD	FAIR	POOR UNACCEPTABLE
CONDITION OF CORD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CONDITION OF SWITCHES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CONDITION OF LEGS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## CALIBRATION TEST RESULTS

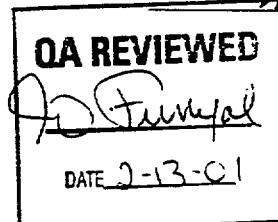
A. C. YOKE: LIFTED 10 POUND PIECE OF STEEL YES ☒ NO ☐ N/A ☐  
D. C. YOKE: LIFTED 40 POUND PIECE OF STEEL YES ☐ NO ☐ N/A ☒  
ACCEPTABLE ☒ UNACCEPTABLE ☐

Calibrated by: William G. Halley  
Print Name

William G. Halley  
Signature

 **WESDYNE**  
INTERNATIONAL

A Subsidiary of Westinghouse Electric Company LLC



WCAL-003 - FORM A - REV. 1 - 8/00



**FNP-0-NDE-100.11**

**MT-F-Form 001**  
**Southern Nuclear Operating Company**

[illegible]

Instrument SAP No. 101724Date: 3/19/01

## CERTIFICATE OF CALIBRATION

1. Customer WesDyne Intl.  
2. Location Waltz Mill  
3. Manufacturer Spectronics  
4. Model Number DSE-100X  
5. Serial Number 165449

6. Reason for Submission  
Calibration ☒  
Operational Failure ☐  
7. Date of Last Calibration 10/11/99  
8. Recall Period 12 Months  
9. Recall Date 3/19/02

1. Calibration Full ☒ Limited ☐ Ranges (Limited) N/A  
2. Temperature 70 °F

1. Instrument Found:  
Within Acceptance Tolerance ☒  
Outside Acceptance Tolerance ☐

2. Instrument Returned:  
Within Acceptance Tolerance ☒  
With Limited Calibration ☐

Rejected due to: N/A

STANDARD USED: Manufactured Calibrated  
DSE 100X Digital Radiometer S/N 101953  
DEX 365 UV-A Sensor S/N 101955  
DEX 555A Visible Light Sensor S/N 101954

1. ZERO CHECK X OK ADJUSTED

2. U. V. CALIBRATION (Light Source 15" From Sensor)

SET LIGHT SOURCE TO:

READ LAB STD.  
U. W. / CM<sup>2</sup>

READ U. U. T.  
U. W. / CM<sup>2</sup>

TOLERANCE  $\pm 5\%$   
OF READING

NORMAL 1630

AS IS 1610

ADJ. SENSOR TO: N/A

HIGH 2830

2800

3. VISIBLE LIGHT CALIBRATION (Fluorescent Light Source)

READ LAB STD.  
FT. CANDLES

READ U. U. T.  
FT. CANDLES

TOLERANCE  $\pm 5\%$   
OF READINGS

106.3

AS IS 101.6

ADJ. SENSOR TO: 106.9

Calibrated by: Ben Livingston  
Print Name

Ben Livingston  
Signature



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QA REVIEWED

J.D. Furrer

DATE 3-22-01

Page: 1 of 1

WCAL-011 - FORM A - REV. 0 - 8/00

TD Certs.

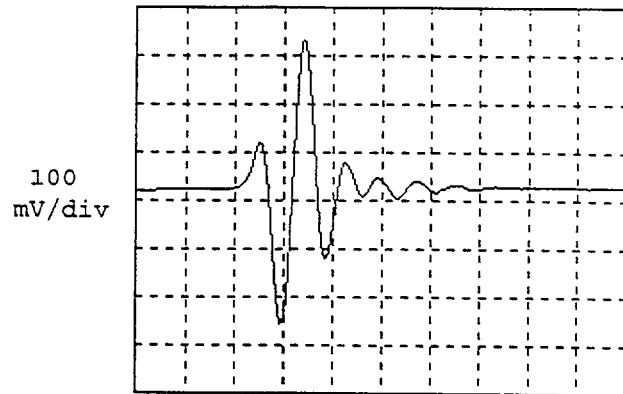
[illegible]

# AEROTECH

## TRANSDUCER CERTIFICATION

DATE: 01-06-1998  
MODEL 113-242-591  
SERIAL 007RMJ  
SERIES: BENCHMARK STYLE: MSWQC  
ELE. SIZE: .50  
NOMINAL FREQUENCY: 2.25 MHz

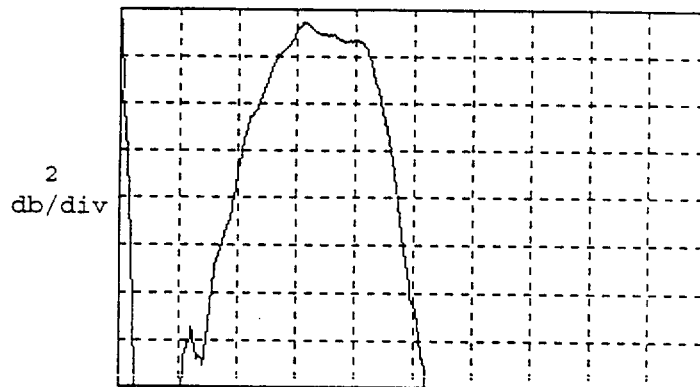
Test Setup--  
Test Block : .375" Plexiglass  
Energy Setting: 3  
Impedance Setting: 250 ohms



Test Data--

Center Frequency: 2.5125 MHz  
Peak Frequency: 2.35 MHz  
Absolute Sensitivity: -32.8 db

Inspector: jt  
Equipment Used:  
UTA: SN MM00113  
UTA Cal Due Date: 07/15/98  
O-Scope SN: B010804  
Cal Due Date: 10/17/98  
Software: FNT0040 Rev. C

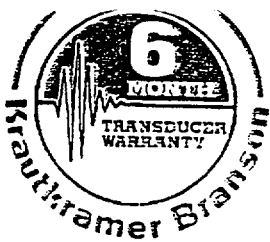


Procedure: Waveform shown is the first  
Return Echo from the indicated target.

The accuracy of the instrument described above has been confirmed by  
factory standard test equipment and laboratory reference standards  
traceable to the National Institute of Standards and Technology.  
This facility's Quality System is registered to ISO 9001 - DNV  
Certificate No. 96-HOU-AQ-1095, and is compliant to MIL-STD-45662A.



Krautkramer Branson  
P.O. Box 350, Lewistown, PA; 17044  
(717) 242-0327 Fax: (717) 242-2606



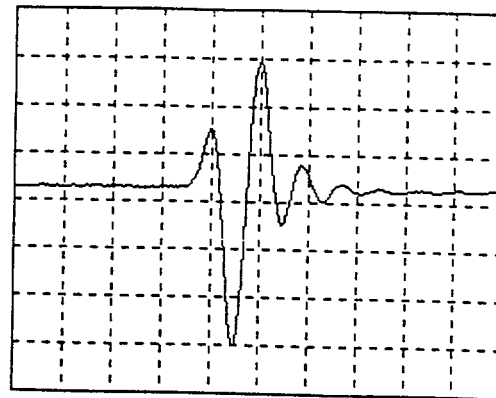
# AEROTECH

## TRANSDUCER CERTIFICATION

DATE: 07-28-1998  
MODEL 113-234-591  
SERIAL 009KMP  
SERIES: BENCHMARK STYLE: MSWQC  
ELE. SIZE: .375  
NOMINAL FREQUENCY: 5 MHz

Test Setup--  
Test Block : .375" Plexiglass  
Energy Setting: 3  
Impedance Setting: 250 ohms

100  
mV/div



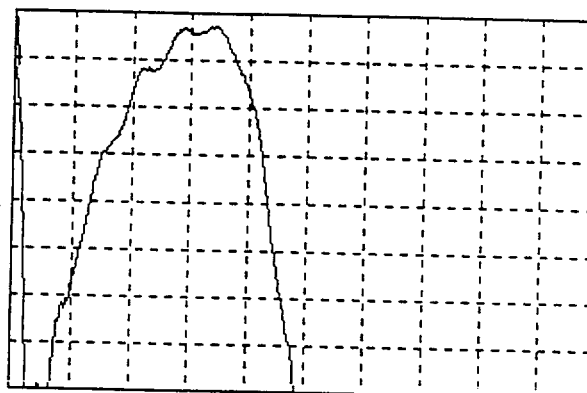
.2 usec/div

Test Data--

Center Frequency: 4.275 MHz  
Peak Frequency: 5.05 MHz  
Absolute Sensitivity: -30.2 db

Inspector: jt  
Equipment Used:  
UTA: SN MM00113  
UTA Cal Due Date: 07/06/99  
O-Scope SN: B010804  
Cal Due Date: 10/17/98  
Software: FNT0040

2  
db/div



1.5 MHz/div

Procedure: Waveform shown is the first  
Return Echo from the indicated target.

The accuracy of the instrument described above has been confirmed by  
factory standard test equipment and laboratory reference standards  
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P.O. Box 350, Lewistown, PA; 17044  
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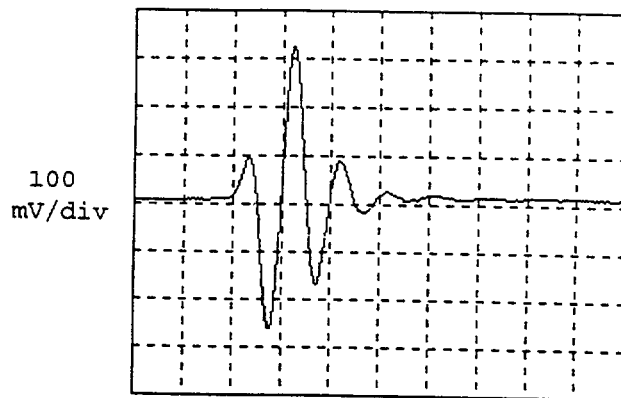


# AEROTECH

## TRANSDUCER CERTIFICATION

DATE: 08-11-1998  
MODEL 113-232-591  
SERIAL 009P5K  
SERIES: BENCHMARK STYLE: MSWQC  
ELE. SIZE: .375  
NOMINAL FREQUENCY: 2.25 MHz

Test Setup--  
Test Block : .375" Plexiglass  
Energy Setting: 3  
Impedance Setting: 250 ohms



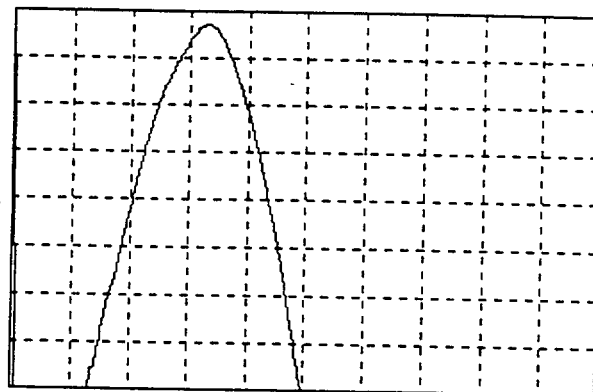
.4 usec/div

Test Data--

Center Frequency: 2.4125 MHz  
Peak Frequency: 2.475 MHz  
Absolute Sensitivity: -31 db

Inspector: jt  
Equipment Used:  
UTA: SN MM00113  
UTA Cal Due Date: 07/06/99  
O-Scope SN: B010804  
Cal Due Date: 10/17/98  
Software: FNT0040

2  
db/div



.75 MHz/div

Procedure: Waveform shown is the first  
Return Echo from the indicated target.

The accuracy of the instrument described above has been confirmed by  
factory standard test equipment and laboratory reference standards  
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Certificate No. 96-HOU-AQ-1095, and is compliant to MIL-STD-45662A.



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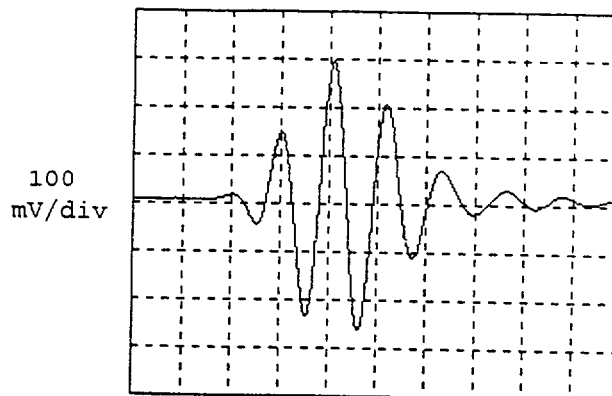


# AEROTECH

## TRANSDUCER CERTIFICATION

DATE: 09-01-1998  
MODEL 113-292-600  
SERIAL 009XBK  
SERIES: GAMMA STYLE: SWS  
ELE. SIZE: .50 X 1.0  
NOMINAL FREQUENCY: 2.25 MHz

Test Setup--  
Test Block : 1.0" PLEXI GLASS  
Energy Setting: 2  
Impedance Setting: 100 ohms

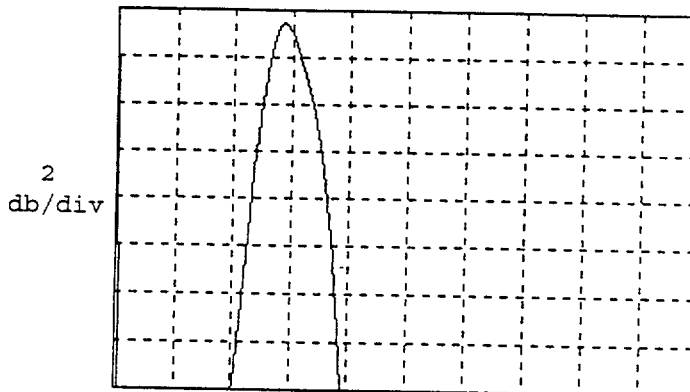


.4 usec/div

### Test Data--

Center Frequency: 2.25 MHz  
Peak Frequency: 2.15 MHz  
Relative Sensitivity: 46 db  
Inspector: bn

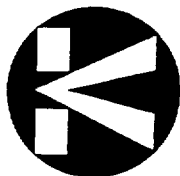
Equipment Used:  
UTA-4: SN 0233  
UTA-4 Cal Due Date: 04/30/99  
O-Scope SN: B022065  
Cal Due Date: 10/17/98  
Software: FNT-0040 Rev. C



Procedure: Waveform shown is the first  
Return Echo from the indicated target.

.75 MHz/div

The accuracy of the instrument described above has been confirmed by  
factory standard test equipment and laboratory reference standards  
traceable to the National Institute of Standards and Technology.  
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Certificate No. 96-HOU-AQ-1095, and is compliant to MIL-STD-45662A.



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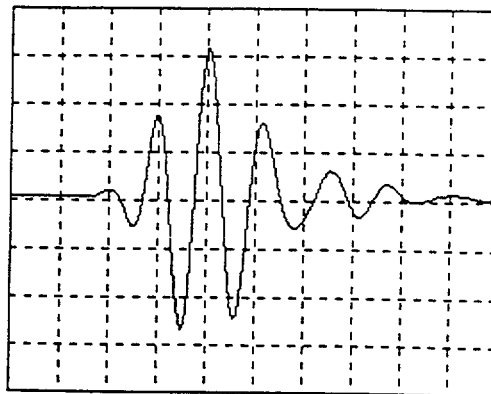
# AEROTECH

## TRANSDUCER CERTIFICATION

DATE: 09-01-1998  
MODEL 113-292-600  
SERIAL 009XBL  
SERIES: GAMMA      STYLE: SWS  
ELE. SIZE: .50 X 1.0  
NOMINAL FREQUENCY: 2.25 MHz

Test Setup--  
Test Block : 1.0" PLEXI GLASS  
Energy Setting: 2  
Impedance Setting: 100 ohms

100  
mV/div



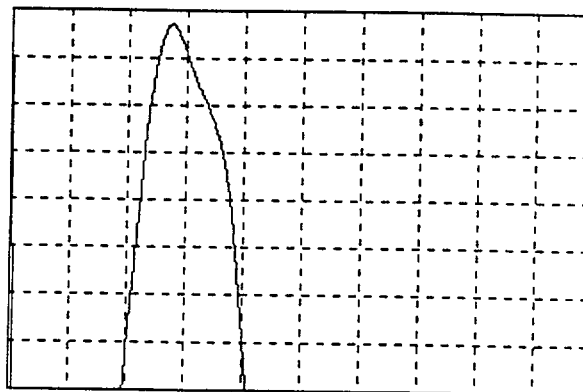
.4 usec/div

### Test Data--

Center Frequency: 2.25 MHz  
Peak Frequency: 2.075 MHz  
Relative Sensitivity: 48 db  
Inspector: bn

Equipment Used:  
UTA-4: SN 0233  
UTA-4 Cal Due Date: 04/30/99  
O-Scope SN: B022065  
Cal Due Date: 10/17/98  
Software: FNT-0040      Rev. C

2  
db/div



.75 MHz/div

Procedure: Waveform shown is the first  
Return Echo from the indicated target.

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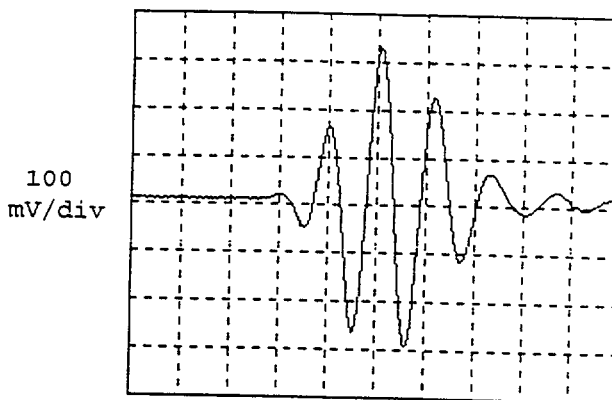


# AEROTECH

## TRANSDUCER CERTIFICATION

DATE: 10-19-1998  
MODEL 113-292-600  
SERIAL 00B955  
SERIES: GAMMA      STYLE: SWS  
ELE. SIZE: .50 X 1.0  
NOMINAL FREQUENCY: 2.25 MHz

Test Setup--  
Test Block : 1.0" PLEXI GLASS  
Energy Setting: 2  
Impedance Setting: 100 ohms



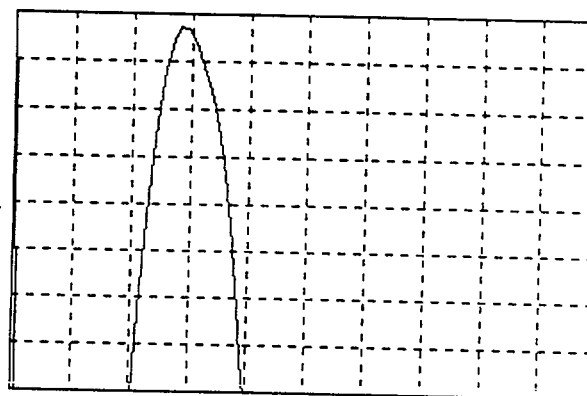
.4 usec/div

Test Data--

Center Frequency: 2.2375 MHz  
Peak Frequency: 2.1375 MHz  
Relative Sensitivity: 46 db  
Inspector: bn

Equipment Used:  
UTA-4: SN 0233  
UTA-4 Cal Due Date: 04/30/99  
O-Scope SN: B022065  
Cal Due Date: 10/15/99  
Software: FNT-0040      Rev. C

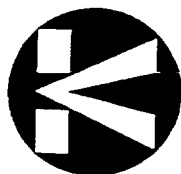
2  
db/div



.75 MHz/div

Procedure: Waveform shown is the first  
Return Echo from the indicated target.

The accuracy of the instrument described above has been confirmed by  
factory standard test equipment and laboratory reference standards  
traceable to the National Institute of Standards and Technology.  
This facility's Quality System is registered to ISO 9001 - DNV  
Certificate No. 96-HOU-AQ-1095, and is compliant to MIL-STD-45662A.



Krautkramer Branson  
P.O. Box 350, Lewistown, PA; 17044  
(717) 242-0327 Fax: (717) 242-2606



An **AGFA** Company

## Transducer Certification

Compliant to ASTM E-1065 Guidelines

Date: 10/4/00  
Product Code: 113-222-591  
Serial Number: 00LCFD  
Description: MEMOC.BCHMK.2.25 MHz X25.

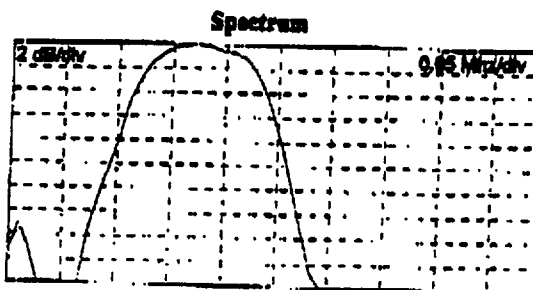
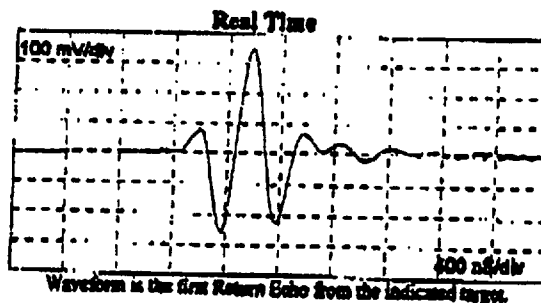
Test Setup:  
Test Target: .375" Plexiglass  
Energy: 3  
Impedance: 250 Ohms

Equipment Used:  
UTA Pulser: UTAS  
UTA S/N: MM00113  
UTA Cal Date: 7/17/01  
O-scope S/N: B010804  
O-scope Cal Date: 10/15/00

Software: FNT0040 Rev: D

Test Data—  
Sensitivity(Abs dB): -25.20 dB  
Pulse Duration@-20dB: 1.16E-06 Sec  
Peak Frequency: 2.20E+06 Hz  
Center Frequency: 2.26E+06 Hz  
% Bandwidth@-6dB: 81.0 %

Inspector: AV



The accuracy of the instrument described above has been confirmed by factory standard test equipment and laboratory reference standards traceable to the National Institute of Standards and Technology. This facility's Quality System is registered to ISO 9001 - DNV Certificate No. 09-MOU-AQ-1099, and is compliant to MIL-STD-45662A.

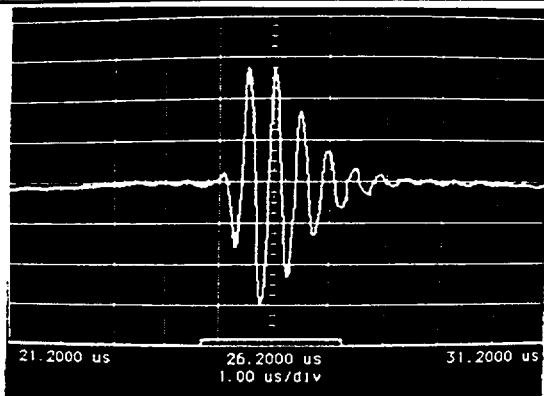


Krautkramer Inc.  
50 Industrial Park Rd.  
Lewistown, PA 17044  
Tel: 717.242.0327  
Fax: 717.242.2606  
<http://www.krautkramer.com>

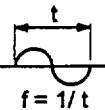
## Equipment

1. Spectrum Analyser Make : Hewlett Packard Type : HP 4195A
2. Oscilloscope Make : Hewlett Packard Type : HP 54501A
3. Ultrasonic Analyser Make : Panametrics Type : PA 5052UA  
Energy: 4 ; Rcvr Atten: 10+6 dB; Gain 40 dB; Damping: 50 Ω

Cable 2 meter Coax RG 174/U 50 Ω

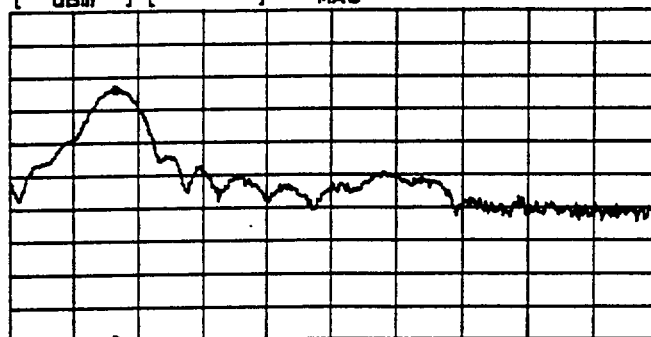


Wave form



Measurement with flat probe shoe

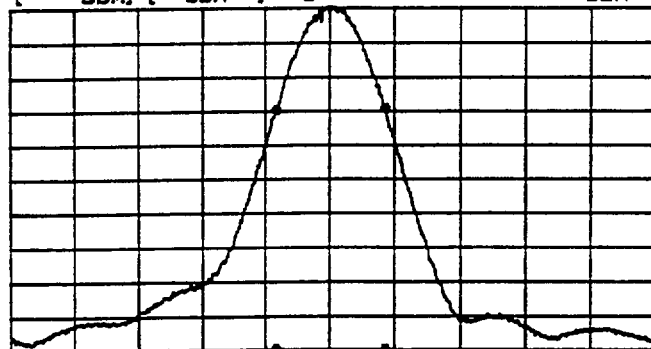
SPECTRUM  
A: REF B: REF o MKR 2 057 500.000 Hz  
-10.00 0.000 MAG -34.0880 dBm  
[ dBm ] [ ] MAG



Spectrum (dB)

BTM DIV START 500 000.000 Hz  
-140.0 10.00 STOP 10 000 000.000 Hz  
RBW: 3 KHZ ST: 8.20 sec RANGE: R= 10, T= 0dBm  
01-985

SPECTRUM Math  
A: REF B: REF 1 MKR 502 500.000 Hz  
4.434m 0.000 1 MAG 28.8105V  
[ DBM ] [ DBM ] [ ] DBM



Spectrum (Volt)

BTM DIV CENTER 2 079 986.393 Hz  
0.000 10.00 SPAN 3 000 000.000 Hz  
RBW: 3 KHZ ST: 2.53 sec RANGE: R= 10, T= 0dBm  
01-985

Centre Frequency : 2.00 MHz  
Band Width at -3dB : 0.50 MHz

## Probe

RTD  
01-985  
Long Wave  
60° TRL 2-Aust  
2(8x14)  
SA2° FS-30

Housing

25 x25 x23 mm (LxWxH)

Style ☒ Manual ☐ Mechanised

Conn. ☒ Lemo-00

☐

IP : 10.5 mm on R= 50 mm

WD : 22 mm

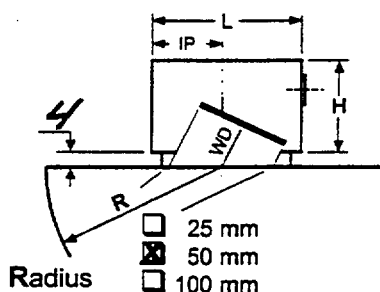
## Reference Block

☒ Aust, ~5750 m/s Long  
~3150 m/s Trans

☐ Steel, ~5950 m/s Long  
~3230 m/s Trans

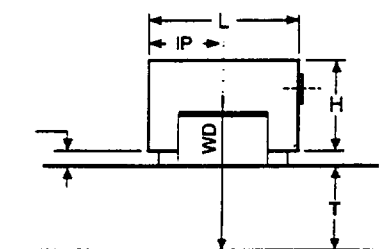
☐

## ☒ Radius Block



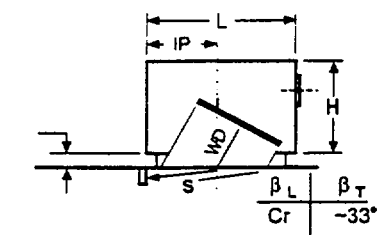
Radius ☐ 25 mm  
☒ 50 mm  
☐ 100 mm

☐ Back Wall 0°



Thickness \_\_\_\_ mm

## ☐ Notch



Notch Depth 1 mm



Röntgen Technische Dienst bv

Probe Department

Rotterdam, NL - The Netherlands

## Frequency Spectrum Data Sheet

Measured by: P. Schalk

Date: 170801



221 Crescent St Waltham MA 02453-3497  
Tel: 800-225-8330, 781-899-2719  
Fax: 781-899-1552

## TRANSDUCER DESCRIPTION

PART NO.: D791-RM      FREQUENCY: 5.00 MHz  
SERIAL NO.: 119939      ELEMENT SIZE: .25 in. DIA.  
DESIGNATION: CONTACT

## TEST INSTRUMENTATION

PULSER/RECEIVER: PANAMETRICS 5030A #2  
DIGITAL OSCILLOSCOPE: LCY9450 3E0324-CH1  
TEST PROGRAM: TP103-2 VER. 995BI  
CABLE: SEE COMMENT

## TEST CONDITIONS

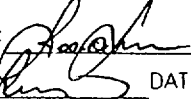
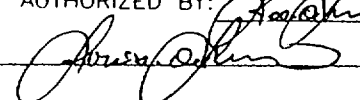
PULSER SETTING: ENERGY:1 ; DAMPING:50  
RECEIVER SETTING: ATTN:26dB ; GAIN:40dB  
TARGET: .70 in. STEEL  
JOB CODE: TP200

## MEASUREMENTS PER ASTM E1065

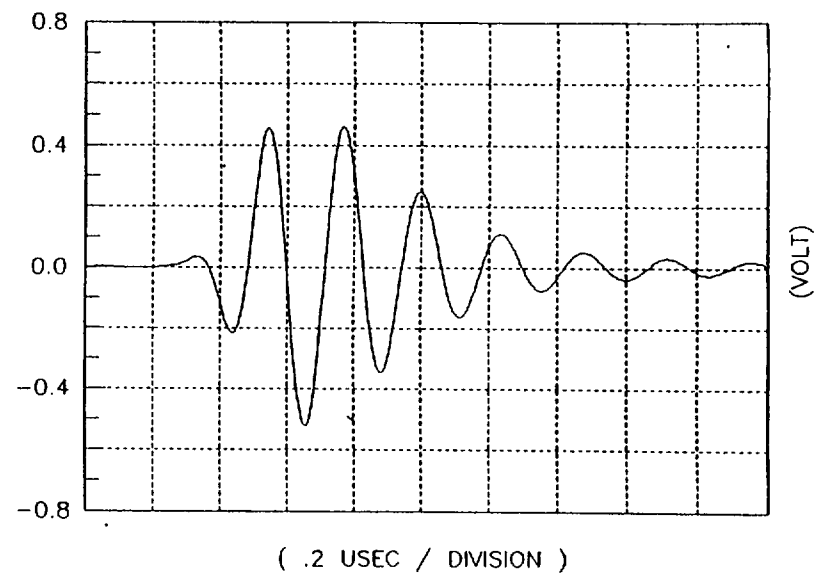
WAVEFORM DURATION:	SPECTRUM MEASURANDS:
-14DB LEVEL -- 0.85US	CENTER FREQ. ---- 4.38MHz
-20DB LEVEL -- 0.99US	PEAK FREQUENCY -- 4.30MHz
-40DB LEVEL -- +1.76US	-6DB BANDWIDTH -- 33.156 %

## COMMENTS:

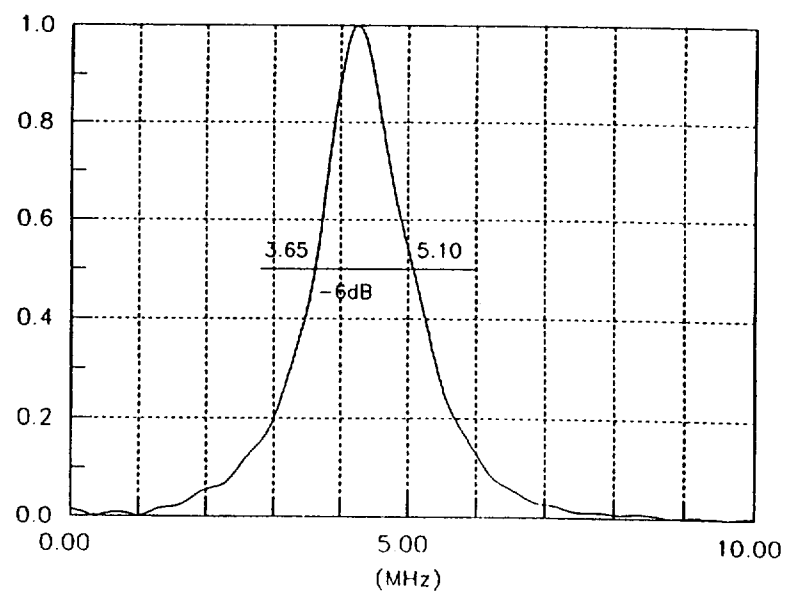
CABLE RG-174/U 5 ft.  
PULSER IN THRU XMSN MODE  
\* MEASUREMENT NOT PERFORMED OR MAY BE UNRELIABLE.

\*\* ACCEPTED. AUTHORIZED BY:  DATE: 2-23-2000  
TECHNICIAN: (2)  DATE: 02-23-2000

## SIGNAL WAVEFORM



## FREQUENCY SPECTRUM



# STAVELEY SENSORS INC. HARRISONIC LAB

## TRANSDUCER CERTIFICATION SHEET

TEST DATE:

### TRANSDUCER DATA

Part Number	: A10L	Focal type	: N/A
Serial Number	: 4890	Focal point(in)	: N/A
Frequency (Mhz)	: 10.0	Water path (in)	: N/A
Element size (in)	: .50"	Cable	: 6'RG174
Type	: CONTACT	Connector	: BNC
Test specification(s):			
Test block/target	: 1.0" STEEL BLOCK		
Tester	: P.B.	Test date : 09/01/00	

### PULSER/RECEIVER DATA

Pulser output (v)	: 120	Damping (Q)	: 50
Received signal (v)	: 15.5	Energy	: 1
Loop gain (db)	: -17.77	Attenuation(db)	: 58
Trigger/rep. rate	: EXT	Gain (db)	: 40
H. P. filter (Mhz)	: 1.0		

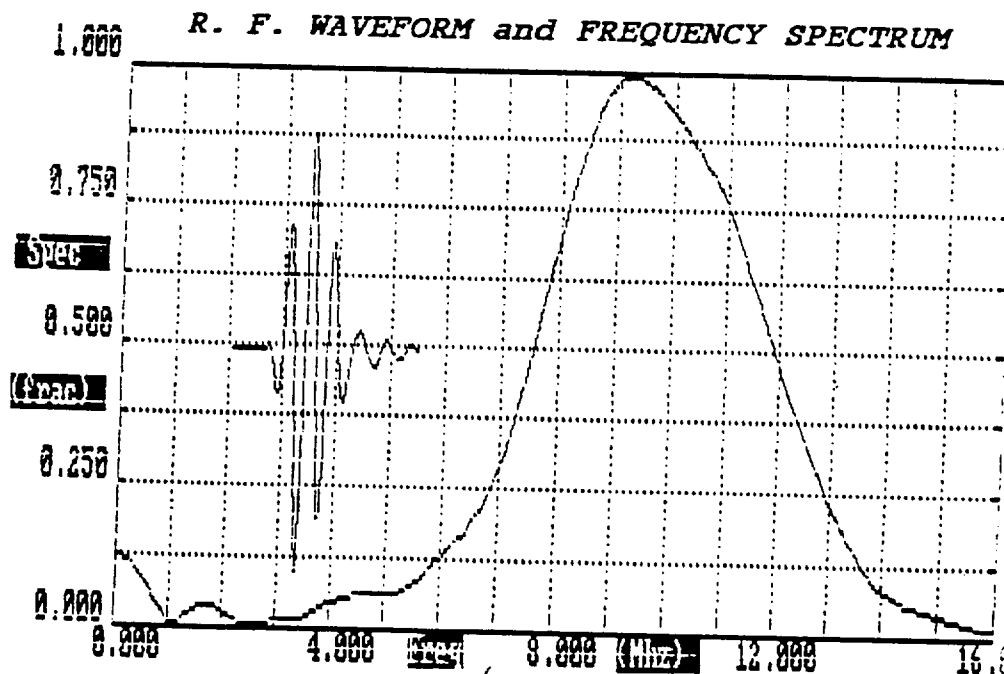
### SYSTEM DATA

#### FREQUENCY SPECTRUM

Peak Freq (mhz): 9.250  
Cntr Freq (mhz): 9.730  
Low -6 dB (mhz): 7.527  
Hi -6 dB (mhz): 11.934  
BW @ -6 dB (mhz): 4.407  
BW @ -6 dB (%): 45.3

#### R. F. WAVEFORM

Hor Res (us/div): 0.250  
Vert Res (v/div): 0.250



DOCUMENTED BY:

CHECKED BY:

DATE: 9/1/00  
DATE: SEP 1 2000

TEST EQUIPMENT: PANAMETRICS MODEL 5052UA TRANSDUCER ANALYZER  
SONOTEK "ProbeTEST" TRANSDUCER EVALUATION PROGRAM A/D S/N 215

Date: 260599

# TRANSDUCER CERTIFICATION

## Transducer Description

Series Gamma S/N C26672

frequency 2.25 MHz Size 1.0

Style CP Connector BNC

☒ Contact ☐ Immersion ☐ Nonfocused TRACE I

Water Path 1.1A ☐ Spherical

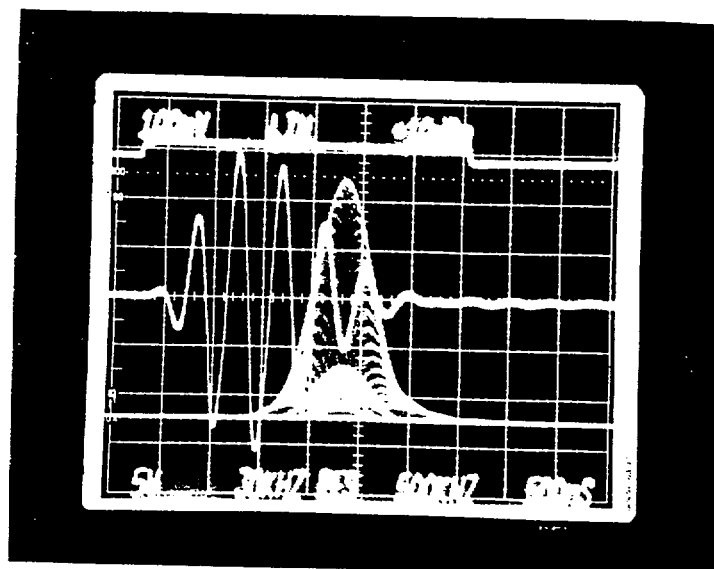
Target 3.0" steel ☐ Cylindrical TRACE II

Relative Sensitivity 69 dB

Energy Setting 4 Impedance 250 TRACE III

☒ Peak or ☐ Center Frequency 2.3 MHz

Inspector SLO Date 4-7-86



## Testing Procedure

The real time waveform shown in the photo above is the first return echo from a reflector selected with respect to transducer type. All contact (wearplate) transducers are tested on a flat steel (4340) plate while epoxy-faced shear wave transducers are tested on a flat polymer block. Dual contact transducers are tested on a flat polymer block unless otherwise specified. Delay fingertip removable (Style DFR) transducers are tested off of the tip of the delay line. Nonfocused immersion transducers are tested in water over a flat steel plate using a water path as specified above. Focused immersion transducers are tested the same as nonfocused transducers except that the water path used is equal to the actual focal length.

Using an AEROTECH Ultrasonic Transducer Analyzer, Model UTA-4, and a Tektronix 7L12 frequency spectrum analyzer in a 7704A Mainframe, the real time waveform, UTA-4 gate signal, and the frequency spectrum of the gated signal are simultaneously displayed and photographed. Using the linear attenuator in the UTA-4 receiver, the amplitude of the real time waveform is adjusted to a six centimeter amplitude ( $\pm 1$  dB) on the CRT. With the vertical calibration of Trace II fixed at 100 millivolts per division, the amount of attenuation used provides a relative sensitivity rating for all transducers certified by Krautkramer Branson.

### Real Time Waveform - Trace II

Screen writing figures A and F provide the vertical and horizontal screen calibration respectively for Trace II.

### Gate Marker - Trace I

Screen writing figure C provides the vertical amplitude of the gate marker and is an inconsequential figure. The horizontal calibration for Trace I is the same as that for Trace II. The portion of Trace II that falls within the gate time period is the signal fed to the frequency spectrum analyzer.

### Frequency Spectrum - Trace III

Screen writing figure E provides the horizontal calibration for Trace III. Figures B and D show the spectrum analyzer's attenuator and resolution settings respectively.

KRAUTKRAMER BRANSON  
P. O. Box 350  
Lewistown, PA 17044



Material Certs.

**J. M. FARLEY UNIT 1**  
**RF-17**  
**EXAMINATION MATERIALS**

**ULTRASONIC COUPLANT**

<b>MANUFACTURER</b>	<b>TYPE</b>	<b>BATCH NO</b>
SONOTECH INC.	ULTRAGEL II	00325
SONOTECH INC.	ULTRAGEL II	01125

**DYE PENETRANT**

<b>PRODU CT</b>	<b>MANUFACTURER</b>	<b>TYPE</b>	<b>BATCH NO.</b>
CLEANER/REMOVER	MAGNAFLUX	SKC-S	99J01K
PENETRANT	MAGNAFLUX	SKL-SP	96J02K
DEVELOPER	MAGNAFLUX	SKD-S2	98D11K

**MAGNETIC MATERIALS**

<b>MANUFACTURER</b>	<b>TYPE</b>	<b>BATCH NO.</b>
MAGNAFLUX	RED 8A	95H062
MAGNAFLUX	14AM	96F02K

**SURFACE THERMOMETER**

<b>MANUFACTURER</b>	<b>IDENTIFICATION NO.</b>
PACIFIC TRANSDUCER CORPORATION	43619
PACIFIC TRANSDUCER CORPORATION	43880



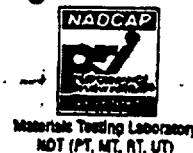
**LABORATORY  
TESTING INC.**

2331 Topaz Drive, Hatfield, PA 19440  
TEL: 800-219-9095 • FAX: 800-219-9096

*Certified Test Report*

SII006-00-10-20799

Page 1 of 1



**SOLD TO**

Sonotech, Incorporated  
P.O. Box 2189  
Bellingham, WA 98227-2189

**SHIP TO**

Sonotech, Incorporated  
P.O. Box 2189  
Bellingham, WA 98227-2189  
ATTN: John Rutter

**CUSTOMER P.O.**

5496

**CERTIFICATION DATE**

10/10/2000

**SHIP VIA**

FAX AND MAIL

**DESCRIPTION**

1 pc. Chemical Batch #003-U Covering:  
Ultrage II Batch #00325,  
Sonotrace 20 Batch #00341  
Sonotrace 30 Batch #00342  
Sonotrace 40 Batch #00343

The submitted sample was analyzed in accordance with ASTM D-512, ASTM D-808 and ASTM D-129 with the following results:

<u>ELEMENT</u>	<u>ACTUAL</u>
Total Cl	5. ppm
Total F	5. ppm
Total S	14. ppm

The services performed above were done in accordance with LTI's Quality System Program Manual Revision 14 dated 10/8/99. These results relate only to the items tested and this report shall not be reproduced, except in full, without the written approval of Laboratory Testing, Inc. L.T.I. is accredited by A2LA in the Chemical, Mechanical and Nondestructive Fields of Testing. L.T.I. is accredited by NADCAP in the Material's Testing and NDT, MT, PT, RT and UT.

Sherri L. Lengyel  
QA Coordinator

By: Sherri L. Lengyel  
Authorized Signature

SII006-01-04-08650

**LABORATORY  
TESTING INC.**

2331 Topaz Drive, Hatfield, PA 19440  
TEL: 800-219-9095 • FAX: 800-219-9096



**SOLD TO**

Sonotech, Incorporated  
P.O. Box 2189  
Bellingham, WA 98227-2189

**SHIP TO**

Sonotech, Incorporated  
P.O. Box 2189  
Bellingham, WA 98227-2189  
ATTN: John Rutter

**CUSTOMER P.O.**

5621

**CERTIFICATION DATE**

04/27/01

**SHIP VIA**

FAX AND MAIL

**DESCRIPTION**

1 pc. Test Sample, Identified as 011-U, Covering: Ultragel II – 01125  
Sonotrace 20 – 01141, Sonotrace 30 – 01142, Sonotrace 40 – 01143

The submitted sample was analyzed in accordance with ASTM D-512, ASTM D-808 and ASTM D-129 with the following results:

<u>ELEMENT</u>	<u>ACTUAL</u>
Total Chlorides	26. ppm
Total Fluorides	7. ppm
Total Sulfur	29. ppm

The services performed above were done in accordance with LTI's Quality System Program Manual Revision 15 dated 12/4/00. These results relate only to the items tested and this report shall not be reproduced, except in full, without the written approval of Laboratory Testing, Inc. L.T.I. is accredited by A2LA in the Chemical, Mechanical and Nondestructive Fields of Testing. L.T.I. is accredited by NADCAP in the Material's Testing and NDT, MT, PT, RT and UT.

**MERCURY CONTAMINATION:** During the testing and inspection, the product did not come in direct contact with mercury or any of its compounds nor with any mercury containing devices employing a single boundary of containment.

Sherri L. Lengyel  
QA Coordinator

*Sherri L. Lengyel*

By:

Authorized Signature

3624 WEST LAKE AVE  
GLENVIEW, ILLINOIS 60025  
PHONE 847.657.5300  
FAX 847.657.5388

DATE: OCTOBER 13, 1999

PURCHASE ORDER NO. \_\_\_\_\_

SUBJECT: SPOTCHECK CLEANER/REMOVER TYPE: SKC-S

BATCH NO: 99J01K

We hereby certify that when tested at time of manufacture, the above material:

1. Meets the requirements of and has been tested for sulfur and halogens according to:

A. ASME Boiler and Pressure Vessel Code, 1983 Edition, Section V, Nondestructive Examination, including all Addenda through Winter 1983 Addendum, Article 6 Paragraph T-625 and Article 24 as applicable.

B. ASME Boiler and Pressure Vessel Code, 1986, 1989, and 1992 Edition, Section V, Nondestructive Examination, Article 6 including 1992 Addenda, Paragraph T-625, 1993 Addenda Paragraph T-640 and Article 24 as applicable.

C. ASME Boiler and Pressure Vessel Code, 1995 Edition & 1998 Edition, Section V, Nondestructive Examination, Article 6 Paragraph T640 and Article 24 as applicable.

D. ASTM E-165-92, ASTM E-165-94, and ASTM E-165-95, Paragraph 7.1.

E. MIL-STD-271F(SH), 27 June 1986, Paragraphs 5.3 and 5.3.1., including Notice 1 Paragraph 5.6.1(21, June 1993).

F. NAVSEA T9074-AS-GIB-010/271, 30 April 1997, Paragraph 5.3.1.

G. NAVSEA 250-1500-1 (Rev. 10 June 1979, Rev. 11 May 1983, Rev 12 December 1987 including ACN 2 Nov. 15, 1990, rev. 13 September 1993) Paragraphs 12.5.1.1. and 12.5.1.1.1.

H. MIL-STD-2132B(SH), 31 August 1993, Paragraph 7.1, 7.1.2, 7.1.3, and Appendix C, Paragraph 40.

The following test results were obtained:

Sulfur: NA wt, % of residue. CL + F: NA wt, % of residue

Cleaner residue (see note 3) 0.0041 g/100g. 0.0031 g/100ml

2. We further certify that this material does not contain mercury as a basic element and no mercury bearing equipment was used in its manufacture.

MAGNAFLUX®

  
M. Plamoottil, Manager, Quality Assurance  
Mary Kay McGlynn - Document Clerk

- NOTES: 1. Our batch number appears on the bottom of all aerosol cans and on the label of all bulk containers.  
2. Most specifications require test results stated in percent but some require parts per million (ppm). To convert "percent" figures to "parts per million" move the decimal four places to the right.  
3. The above certification gives the results obtained at the time of manufacture. Age and use may alter the properties of any material.

Form No. 1569 R-10/99

3624 WEST LAKE AVE  
GLENVIEW, ILLINOIS 60025  
PHONE 847.657.5300  
FAX 847.657.5388

DATE: OCTOBER 13, 1999

PURCHASE ORDER NO. \_\_\_\_\_

We hereby certify that the SPOTCHECK CLEANER/REMOVER, TYPE SKC-S

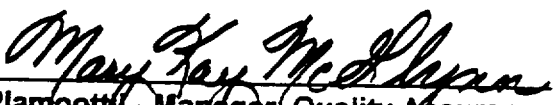
Batch No. 99J01K, supplied meets the requirements of MIL-I-25135E,  
and is approved by the U.S. Air Force

When tested according to paragraph 4.4.1.2., Sampling Plan A, the following results  
were obtained:.

(a) Flash Point (PMCC), 4.5.3	NA	°F
(b) Viscosity, (cs Nominal), 4.5.4	NA	CS@100°F
(c) Developer Fluorescence, 4.5.14	NA	
(d) Water Content, 4.5.21	NA	%
(e) Penetrant Removability, 4.5.17(Standard)	PASS	
(f) Water Tolerance, 4.5.12	NA	%
(g) Fluorescent Brightness of Penetrants, 4.5.7(Standard)	NA	%
(h) Surface Wetting, 4.5.6	NA	
(i) Thermal Stability, 4.5.9	NA	%
(j) Redispersibility, 4.5.13	NA	
(k) Valve Leakage, 4.5.20	PASS	
(l) Net Content, 4.5.19	227-245	GM.

We further certify that this material meets the requirements of  
ASTM E 1417, Paragraph 5.1.

MAGNAFLUX ©

  
M. Plamootti - Manager, Quality Assurance  
Mary Kay McGlynn - Documents Clerk

JOSEPH W. FARLEY NUCLEAR PLANT  
ANNUAL RECEIPT INSPECTION REPORT A-3765

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120. INSPECTION





DATE: APRIL 19, 1998PURCHASE ORDER NO. OP980531SUBJECT: SPOTCHECK DEVELOPERTYPE: SKD-S2BATCH No. 98D11K

We hereby certify that when tested at the time of manufacture, the above material:

1. Meets the requirements of and has been tested for sulfur and halogens according to:
  - (a). ASME Boiler and Pressure Vessel Code, 1983 Edition, Section V, Nondestructive Examination, including all Addenda through Winter 1983 Addendum, Article 6 Paragraph T-625 and Article 24 as applicable.
  - (b). ASME Boiler and Pressure Vessel Code, 1986, 1989, & 1992 Edition, Section V, Nondestructive Examination, Article 6, including 1992 Addenda, Paragraph T-625, 1993 Addenda Paragraph T-640 and Article 24 as applicable.
  - (c). ASME Boiler and Pressure Vessel Code, 1995 Edition, Section V, Nondestructive Examination, Article 6, Paragraph T-640 and Article 24 as applicable.
  - (d). ASTM E-165-92, ASTM E-165-94, and ASTM E-165-95, Paragraph 7.1.
  - (e). NAVSEA 250-1500-1 (Rev. 10 June 1979, Rev. 11 May 1983, Rev. 12 December 1987 including ACN 2 Nov. 15, 1990, Rev. 13 September 1993) Paragraphs 12.5.1.1 and 12.5.1.1.1.
  - (f). MIL-STD-271F(SH), 27 June 1986, Paragraphs 5.3 and 5.3.1 including Notice 1, Para. 5.6.1 (6/21/93).
  - (g). MIL-STD-2132B(SH), 31 August 1993, Paragraph 7.1.1, 7.1.2, and 7.1.3 and Appendix C, Paragraph 40.

The following test results were obtained:

Sulfur: 0.0095 wt. % of residue. CL + F: 0.0404 wt. % of residue.

Cleaner residue (see Note 3) NA g/100g. NA g/100 ml.

2. We further certify that this material does not contain mercury as a basic element, and no mercury bearing equipment was used in its manufacture.

MAGNAFLUX ©

Mary Parsons  
M. Plamoottil/- Manager, Quality Assurance  
Mary M. Parsons - Document Clerk

- NOTES: 1. Our batch number appears on the bottom of all aerosol cans and on the label of all bulk containers.
2. Most specifications require test results stated in percent but some require parts per million (ppm). To convert "percent" figures to "parts per million" move the decimal four places to the right.
3. The above certification gives the results obtained at the time of manufacture. Age and use may alter the properties of any material.

3624 WEST LAKE AVE  
GLENVIEW, ILLINOIS 60025

PHONE 847.657.5300

FAX 847.657.5300 DATE: August 29, 1993

**MAGNAFLUX®**

PURCHASE ORDER NO. \_\_\_\_\_

We hereby certify that the Magnetic Particle Inspection Material type

8A Red Powder..

Batch No. 95H062

meets the requirements of the following specifications:

- A. ASME Boiler and Pressure Vessel Code, Section V, 1989 & 1992 Edition, Nondestructive Examination, including 1992 Addenda, Paragraphs T-723, T-726(A) and Article 25 as applicable.
- B. ASTM E-709-95, Paragraphs 8.1, 8.2, and 8.3.
- C. NAVSEA 250-1500-1, (Rev. 10 June 1979, Rev. 11 May 1983, and Rev. 12 December 1987 including ACN 2 Nov. 15, 1990 & Rev. 13 September 1993) Paragraph 12.4.1.6.
- D. ASTM E 1444-93, Paragraph 5.8.1.
- E. MIL-STD-271F(SH), 27 June 1986, Paragraphs 4.2.7, 4.3.2.3, and 4.3.3.1, including Notice 1, 21 June 1993.
- F. MIL-STD-2132B(SH), 31 August 1993, Paragraph 6.1.3.

We further certify that this material does not contain mercury as a basic element and no mercury bearing equipment was used in its manufacture.

Batch numbers appear on labels of bulk containers.

MAGNAFLUX ©

Kim Maschmann  
M. Plamootil - Manager, Quality Assurance  
Kim Maschmann - Documents Clerk

Form No. 1565A R-6/95

A DIVISION OF ILLINOIS TOOL WORKS, INC.

PHONE 847.657.5300

FAX 847.657.5388

DATE: August 5, 1996

PURCHASE ORDER NO. \_\_\_\_\_

We hereby certify that the Magnetic Particle Inspection Material type

14AM Prepared Magnaglo Bath . Batch No. 96F02K

meets the requirements of the following specifications:

- A. ASME Boiler and Pressure Vessel Code, Section V, 1995 Edition, Nondestructive Examination, including 1995 Winter Addenda, Paragraph T-752, T-731(B) and Article 25 as applicable.
- B. ASME Boiler and Pressure Vessel Code, Section V, 1989 & 1992 Edition, Nondestructive Examination, including 1992 Addenda, Paragraphs T-723, T-726(B) and Article 25 as applicable.
- C. ASTM E-709-95, Paragraphs 8.1, 8.2, 8.4, 8.4.3, 8.4.4.1, and 8.4.5.
- D. ASTM E 1444-94, Paragraphs 5.8.2, 5.8.2.1, and 5.8.3.
- E. MIL-STD-271F(SH), 27 June 1986, Paragraphs 4.3.2.1, 4.3.2.3, and 4.3.2.4, including Notice 1, 21, June 1993.
- F. MIL-STD-2132B(SH), 31 August 1993, Paragraph 6.1.3, 6.2.3, 6.2.4, 6.2.5, 6.2.6, 6.2.7.
- G. The flash point of the material is over 200 F when tested by the Pensky-Marten's Closed Cup Method (ASTM D-93).
- H. The vehicle meets the requirements of DOD-F-87935, 12 January 1984 and Amendment 3, 27 February 1987.
- I. The vehicle meets the requirements of AMS 2641, 1 January 1988. The vehicle is classified as Type I according to Paragraph 1.3.

We further certify that this material does not contain mercury as a basic element and no mercury bearing equipment was used in its manufacture.

Batch numbers appear on labels of bulk containers.

MAGNAFLUX ©

Kim Maschmann  
M. Plamoottil - Manager, Quality Assurance  
Kim Maschmann - Documents Clerk

Form No. 1565C R-5/96

A DIVISION OF ILLINOIS TOOL WORKS, INC.

Instrument SAP No. 102099Date: 2-26-01

# CERTIFICATE OF CALIBRATION

1. Customer WESDYNE  
2. Location WALTZ MILL SITE  
3. Instrument Calibration THERMOMETER  
4. Manufacturer PTC INST.  
5. Model Number 315 F  
6. Serial Number 43619

7. Reason for Submission  
Calibration ☒  
Operational Failure ☐  
Modifications ☐  
8. Date of Last Calibration N/A (NEW)  
9. Recall Period 12 Months  
10. Recall Date 2-25-02

1. Calibration: Full ☒2. Temperature Range 0° To 150 °F

1. Instrument Found:

Within Acceptance Tolerance ☒Outside Acceptance Tolerance ☐

Rejected due to: \_\_\_\_\_

2. Instrument Returned:

Within Acceptance Tolerance ☒With Limited Calibration ☐

Rejected due to: \_\_\_\_\_

Standard Used: SAP 101753Cal. Date 3-27-00 Cal. Due 3-27-01

## TEMPERATURE INDICATOR COMPARISON

		Temperature 25°F to 55°F		Temperature 60°F to 90°F		Temperature 100°F to 150°F	
Control Temperature Indicator							
S/N	<u>SAP 101753</u>	<u>44</u>	°F	<u>74</u>	°F	<u>112</u>	°F
Field Temperature Indicator							
S/N	<u>SAP 102099</u>	<u>44</u>	°F	<u>75</u>	°F	<u>112</u>	°F

## CALIBRATION TEST RESULTS

ACCEPTABLE ☒UNACCEPTABLE ☐Calibrated by: HARRY M. ACKERMANSignature: Harry M. Ackerman

QA REVIEWED

DATE 2-27-01**WESDYNE**  
INTERNATIONAL

A Subsidiary of Westinghouse Electric Company LLC

WCAL-015 - FORM 1 - REV 9-02/01

Instrument SAP No. 102108Date 2-26-01

# CERTIFICATE OF CALIBRATION

1. Customer WESDYNE  
2. Location WALTZ MILL SITE  
3. Instrument Calibration THERMOMETER  
4. Manufacturer PTC INST.  
5. Model Number 315 F  
6. Serial Number 43880

7. Reason for Submission  
Calibration ☒  
Operational Failure ☐  
Modifications ☐  
8. Date of Last Calibration N/A (NEW)  
9. Recall Period 12 Months  
10. Recall Date 2-25-02

1. Calibration: Full ☒2. Temperature Range 0° To 150 °F

1. Instrument Found:

Within Acceptance Tolerance ☒Outside Acceptance Tolerance ☐

Rejected due to: \_\_\_\_\_

2. Instrument Returned:

Within Acceptance Tolerance ☒With Limited Calibration ☐

Rejected due to: \_\_\_\_\_

Standard Used: SAP 101753 Cal. Date 3-27-00 Cal. Due 3-27-01

## TEMPERATURE INDICATOR COMPARISON

	Temperature 25°F to 55°F		Temperature 60°F to 90°F		Temperature 100°F to 150°F	
Control Temperature Indicator						
S/N <u>SAP 101753</u>	<u>44</u>	°F	<u>74</u>	°F	<u>112</u>	°F
Field Temperature Indicator						
S/N <u>SAP 102108</u>	<u>44</u>	°F	<u>75</u>	°F	<u>113</u>	°F

## CALIBRATION TEST RESULTS

ACCEPTABLE ☒UNACCEPTABLE ☐Calibrated by: HARRY M. ACKERMANSignature: Harry M. Ackerman

QA REVIEWED

DATE 3-27-01**WESDYNE**  
INTERNATIONAL

A Subsidiary of Westinghouse Electric Company LLC

WICAL-015 - FORM 1 - REV 9-02/01

Cal. Block Certs

**J. M. FARLEY UNIT 1  
RF-17  
CALIBRATION BLOCKS**

[illegible]

**Cal block drawings and material certifications are included in FNP-0-M-076**

## ADDITIONAL CALIBRATION BLOCKS

[illegible]



CERTIFICATE OF COMPLIANCE  
ULTRASONIC TEST BLOCK

**AVS** APPLIED TEST  
SYSTEMS, INC.

248 New Castle Road • P.O. Box 1529 • Butler, PA 16001  
Telephone: 412/333-1212 • Telex: 84-6727 AVS BUT

ORDER NO. C2860411

CUSTOMER R. L. Halliday Co.

DATE March 21, 1986

525 McMillan Road

PURCHASE ORDER NO. 6216

Pittsburgh, PA 15226

ITEM	TEST BLOCK	SER. NO.	MATERIAL	TEST BLOCK SPECIFICATION
		796477		
		796478		
		796479		
1	1" Angle Beam	796480	Alloy C1018 Steel	Per drawing 1-1079
		796481		and ASTM E1644
		796482		
		796483		
		796484		
		796485		
		796486		
		796487		
		796488		
2	4-Step	796489	Alloy C1018 Steel	Per drawing 2-1157
		796490		
		796491		
		796492		
		796493		
		796494		

These test blocks have been manufactured in accordance with applicable specification and have been inspected and found to be dimensionally accurate using measuring equipment traceable to the National Bureau of Standards.

Don Rogers Quality Control Inspector

348 New Castle Road • P.O. Box 1529 • Butler, PA 16001  
Telephone: 412/283-1212 • Telex: 86-6727 ATS BUTL

Monrovia, SC 29502

Quality Control Inspector Elmer M. Adams Block Operator

HH

## PROCEDURE LIST (BOP)

The following procedures were used in the performance of Inservice Examinations at the Farley Nuclear Plant - Unit 1 during the 17th refueling outage. Copies of the procedures are available in the FNP Document Control.

PROCEDURE NUMBER	TITLE	REVISION/TCN
FNP-0-NDE-100.5	LIQUID PENETRANT EXAMINATION (COLOR CONTRAST AND FLUORESCENT)	6
FNP-0-NDE-100.11	MAGNETIC PARTICLE EXAMINATION	4
FNP-0-NDE-100.21	VISUAL EXAMINATION VT-1	1
FNP-0-NDE-100.22	VISUAL EXAMINATION VT-2	5
FNP-0-NDE-100.23	VISUAL EXAMINATION VT-3	5
FNP-0-NDE-100.31	MANUAL ULTRASONIC EXAMINATION OF FULL- PENETRATION WELDS (0.200 TO 6.0 INCHES)	8
FNP-0-NDE-100.34	MANUAL ULTRASONIC EXAMINATION OF WELDS IN VESSELS	6
FNP-0-NDE-100.35	ULTRASONIC THICKNESS EXAMINATION PROCEDURE	1
FNP-0-NDE-100.38	MANUAL ULTRASONIC EXAMINATION OF NOZZLE INNER RADIUS	2
FNP-0-NDE-100.39	MANUAL ULTRASONIC EXAMINATION OF BOLTS AND STUDS GREATER THAN 2 INCHES IN DIAMETER	4

I

**NO EXAMINATIONS SCHEDULED THIS OUTAGE**

J

Class 1



As Required By The Provisions Of The ASME Code Section XI

<b>Job Number</b> E21-WO20007823		<b>Sheet</b> 1 of 2	
<b>Nuclear Plant</b> 95 South a, AL 36319		<b>Unit</b> FNP 1	
		<b>Date</b> October 19, 2001	
<b>Type Code Symbol Stamp</b> N/A			
<b>Authorization Number</b> N/A			
<b>Expiration Date</b> N/A			
<b>System</b>			
Revision <u>          </u>		Addenda <u>          </u>	
Revision <u>          </u>		Addenda <u>          </u>	
Revision <u>          </u>		Addenda <u>          </u>	
<b>Component Components :</b>			
<b>Other Identification</b>	<b>Year Built</b>	<b>Repaired Replaced Or Replacement</b>	<b>ASME Code Stamped (Yes / No)</b>
P.O. FNP-222	1977	Replaced	No
			No
P.O. QP941243	1994	Replacement	No
Rebuilt by Wyle Laboratories, and reinstalled by Alabama of damage during removal. Ref: MIF 01050231			
None <input type="checkbox"/> Other <input type="checkbox"/>			

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number

E21-WO20007823

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed BCM Maintenance Manager Date 12/17/01

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 Georgia and Employed by FACTORY MUTUAL INSURANCE CO. of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 12/5/01 to 12/19/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles E. Ward  
Inspector's Signature

Commissions

GA 328

IN

National Board, State, Province, and Endorsements

Date 12/19/01

# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

		<b>Job Number</b> B13 - WA653356	<b>Sheet</b> 1 <b>of</b> 2																																																																																								
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Alabama 36319	<b>Unit</b> FNP 1 <hr/> <b>Date</b> November 1, 2001																																																																																									
<b>3. Work performed by</b> Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A																																																																																									
<b>4. Identification of System</b> Reactor Coolant System																																																																																											
<b>5.</b> (a) Applicable Construction Code: <u>ASME Section III,</u> 19 <u>71</u> Edition <u>Winter 1972</u> Addenda, <u>N/A</u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, 19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case																																																																																											
<b>6. Identification of Components Repaired or Replaced and Replacement Components:</b> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 12.5%;">Name of Component</th> <th style="width: 12.5%;">Name of Manufacturer</th> <th style="width: 12.5%;">Manufacturer Serial Number</th> <th style="width: 12.5%;">National Board No.</th> <th style="width: 12.5%;">Other Identification</th> <th style="width: 12.5%;">Year Built</th> <th style="width: 12.5%;">Repaired, Replaced, or Replacement</th> <th style="width: 12.5%;">ASME Code Stamped (Yes / No)</th> </tr> </thead> <tbody> <tr> <td>Safety Valve</td> <td>Crosby</td> <td>N56963-01-0005</td> <td>N/A</td> <td>P. O. FNP2-2</td> <td>1975</td> <td>Replaced</td> <td>Yes</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr> <td>Safety Valve</td> <td>Crosby</td> <td>N56963-01-0004</td> <td>N/A</td> <td>P.O. FNP2-2</td> <td>1975</td> <td>Replacement</td> <td>Yes</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes / No)	Safety Valve	Crosby	N56963-01-0005	N/A	P. O. FNP2-2	1975	Replaced	Yes									Safety Valve	Crosby	N56963-01-0004	N/A	P.O. FNP2-2	1975	Replacement	Yes																																																								
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes / No)																																																																																				
Safety Valve	Crosby	N56963-01-0005	N/A	P. O. FNP2-2	1975	Replaced	Yes																																																																																				
Safety Valve	Crosby	N56963-01-0004	N/A	P.O. FNP2-2	1975	Replacement	Yes																																																																																				
<b>7. Description of Work</b> Pressurizer safety valve Q1B13V0031A was removed and shipped offsite for scheduled testing. A spare valve was installed in its place so that outage schedules could be maintained. Ref: MIF 01048561.																																																																																											
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input type="checkbox"/> Other Pressure _____ PSI    Temperature _____ °F																																																																																											

# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

Job Number

B13 - WA653356

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports to be attached)

The replacement safety valve was previously refurbished by Wyle Laboratories under purchase order QP990921.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed

*B. C. Mann*

MAINT. MGR.

Date

11/17/01

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 Georgia and employed by FACTORY MUTUAL INSURANCE COMPANY of JOHNSTON, Rhode Island have inspected the components described in this Owner's Report during the period 10/9/01 to 11/20/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

*Charles E. Ward*  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date

11/20/01

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

		<b>Job Number</b> B13-WO20008597	<b>Sheet</b> 1 <b>of</b> 2				
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Al. 36319	<b>Unit</b> FNP 1 <hr/> <b>Date</b> October 22, 2001					
<b>3. Work Performed By</b> Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A					
<b>4. Identification Of System</b> <div style="text-align: center;">Reactor Coolant System</div>							
<b>5.</b> (a) Applicable Construction Code: <u>                    </u> * See sheet 2    19    Edition <u>                    </u> Addenda, <u>                    </u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements,    19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case							
<b>6. Identification Of Components Repaired Or Replaced and Replacement Components :</b>							
Name Of Component	Name Of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired Replaced Or Replacement	ASME Code Stamped (Yes / No)
Mech. Snubber	Pacific Scientific	23347	N/A	P.O. QP-1299	1981	Replaced	Yes
Hyd. Snubber	Lisega	00614770/102	N/A	P.O. QP010702	2000	Replacement	No
<b>7. Description Of Work</b> Snubber SS-2990 was removed from its support by Williams Power Corporation, tested by Wyle Laboratories and was replaced with a Lisega hydraulic snubber by Williams Power Corporation as part of a scheduled upgrade program. Ref: MIF 01048716							
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure <u>                    </u> PSI    Temperature <u>                    </u> °F							

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number	
B13-WO20008597	Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed B. Monahan Maintenance Manager Date 11/3/01  
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 Georgia and Employed by FACTORY MUTUAL INSURANCE CO of Johnston Rhode Island have inspected the components described in this Owner's Report during the period 10/5/01 to 11/6/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles E. Wanda  
Inspector's Signature

Commissions GA 328 INA  
National Board, State, Province, and Endorsements

Date 11/6/01

# Form NIS-2 Owner's Report For Repairs Or Replacements

RType : L1.52

As Required By The Provisions Of The ASME Code Section XI

<b>Job Number</b> E21-WO20008611					<b>Sheet</b> 1 of 2		
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)			<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, AL 36319			<b>Unit</b> FNP 1 <hr/> <b>Date</b> October 23, 2001	
<b>3. Work Performed By</b> Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>					<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A		
<b>4. Identification Of System</b> Chemical & Volume Control System							
<b>5.</b> (a) Applicable Construction Code: <u>                    * See sheet 2                    </u> 19 <u>          </u> Edition <u>                    </u> Addenda, <u>          </u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, 19 <u>89</u> Edition <u>          </u> N/A Addenda, <u>          </u> N/A Code Case							
<b>6. Identification Of Components Repaired Or Replaced and Replacement Components :</b>							
Name Of Component	Name Of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired Replaced Or Replacement	ASME Code Stamped (Yes / No)
Mech. Snubber	Pacific Scientific	1937	N/A	P.O FNP2-29	1977	Replaced	NO
Load Stud	Grinnell	None	N/A	P.O. FNP-222	1975	Replaced	No
Hyd. Snubber	Lisega	00614770/035	N/A	P.O. QP010702	2000	Replacement	NO
Load Stud	Grinnell	None	N/A	P.O. QP3129	1989	Replacement	No
<b>7. Description Of Work</b> Snubber SS-5687 was removed from its support by Williams Power Corporation, tested by Wyle Laboratories and replaced with a Lisega hydraulic snubber by Williams Power Corporation as part of a scheduled upgrade program. The load stud was replaced as a result of damage during snubber removal. Ref: MIF 01048697, 01049934							
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure <u>          </u> PSI    Temperature <u>          </u> °F							

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number

E21-WO20008611

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed B. Chinn Maintenance Manager Date 11/3/01  
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 Georgia and Employed by FACILITY MUTUAL INSURANCE CO of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 10/5/01 to 11/6/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles G. Ward  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date 11/6/01



# Form NIS-2 Owner's Report For Repairs Or Replacements

RType : L1.52

As Required By The Provisions Of The ASME Code Section XI

		<b>Job Number</b> B13-WO20008754	<b>Sheet</b> 1 of 2																																																																																
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, AL 36319	<b>Unit</b> FNP 1 <hr/> <b>Date</b> October 19, 2001																																																																																	
<b>3. Work Performed By</b> Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A																																																																																	
<b>4. Identification Of System</b> Reactor Coolant System																																																																																			
<b>5.</b> (a) Applicable Construction Code: <u>                    </u> * See sheet 2 19 <u>          </u> Edition <u>                    </u> Addenda, <u>          </u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, 19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case																																																																																			
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<b>7. Description Of Work</b> Snubber RC-R12B was removed from its support by Williams Power Corporation, rebuilt by Wyle Laboratories and reinstalled by Williams Power Corporation. The pivot pin was replaced as a result of damage during snubber removal. Ref: MIF 01049745																																																																																			
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure <u>          </u> PSI    Temperature <u>          </u> °F																																																																																			

# Form NIS-2 Owner's Report For Repairs Or Replacements

RType : L1.52

As Required By The Provisions Of The ASME Code Section XI

Job Number

B13-WO20008754

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

Type Code Symbol Stamp

N/A

Certificate of Authorization Number

N/A

Expiration Date

N/A

Signed

Maintenance Manager

Date

11/3/01

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 Georgia and Employed by FACILITY MUTUAL INSURANCE CO. of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 10/5/01 to 11/7/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date

11/7/01

# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

		<b>Job Number</b> E21 - WO01005802	<b>Sheet</b> 1 <b>of</b> 2																																																																																
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Alabama 36319	<b>Unit</b> FNP 1 <hr/> <b>Date</b> October 26, 2001																																																																																	
<b>3. Work performed by</b> Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A																																																																																	
<b>4. Identification of System</b> Safety Injection System																																																																																			
<b>5.</b> (a) Applicable Construction Code: <u>          *see note on sheet 2,          </u> 19 <u>          </u> Edition <u>          </u> Addenda. <u>          </u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements. 19 <u>89</u> Edition <u>N/A</u> Addenda. <u>N/A</u> Code Case																																																																																			
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Pipe Restraint	ITT Grinnell	SI-R125	N/A	P. O. FNP-222	1979	Repaired	No																																																																												
<b>7. Description of Work</b> Pipe restraint SI-R125 was cut down to provide accessibility to the Reactor Coolant Pump side, top of tubesheet handhole for the 1C steam generator for sludge lancing activities. After the completion of the sludge lance activities, the restraint was welded back in position using the original material.																																																																																			
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure <u>          </u> PSI    Temperature <u>          </u> °F																																																																																			

# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

Job Number

E21 - WO01005802

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports to be attached)

\* Pipe restraint was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed \_\_\_\_\_ Maintenance Manager Date 1/11/02  
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 Georgia and employed by FACILITY MUTUAL INSURANCE COMPANY of JOHNSTON, RHEDE ISLAND have inspected the components described in this Owner's Report during the period 10/23/01 to 1/15/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles C. Ward  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date 1/15/02

Class 2

# Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

		<b>Job Number</b> B21 - WO01007592		<b>Sheet</b> 1 of 2			
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)		<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Alabama 36319		<b>Unit</b> FNP 1			
				<b>Date</b> November 1, 2001			
<b>3. Work performed by</b> Name : <u>Southern Nuclear Operating Company Maintenance Department</u> Address : <u>Joseph M. Farley Nuclear Plant</u>				<b>Type Code Symbol Stamp</b> N/A			
				<b>Authorization Number</b> N/A			
				<b>Expiration Date</b> N/A			
<b>4. Identification of System</b> Steam Generator							
<b>5.</b> (a) Applicable Construction Code: <u>ASME Section III,</u> 19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, 19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case							
<b>6. Identification of Components Repaired or Replaced and Replacement Components:</b>							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes / No)
Bolt	Vicente Berrizbeita	305	N/A	P. O. QP970783	1999	Replaced	No
Bolt	Vicente Berrizbeita	253	N/A	P. O. QP970783	1999	Replaced	No
Bolt	Vicente Berrizbeita	49	N/A	P. O. QP970783	1999	Replaced	No
Bolt	Vicente Berrizbeita	335	N/A	P. O. QP970783	1999	Replaced	No
Bolt	Vicente Berrizbeita	124	N/A	P. O. QP970783	1999	Replacement	No
Bolt	Vicente Berrizbeita	196	N/A	P. O. QP970783	1999	Replacement	No
Bolt	Vicente Berrizbeita	204	N/A	P. O. QP970783	1999	Replacement	No
Bolt	Vicente Berrizbeita	225	N/A	P. O. QP970783	1999	Replacement	No
<b>7. Description of Work</b> Four (4) bolts were damaged during the removal of the handhole cover on steam generator Q1B21H0001C. These four bolts were replaced with four new bolts. Ref: MIF 01050932.							
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input type="checkbox"/> Other Pressure _____ PSI    Temperature _____ °F							

# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

Job Number

B21 - WO01007592

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports to be attached)

### Certificate of Compliance

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

Type Code Symbol Stamp N/A

Certificate of Authorization Number N/A Expiration Date N/A

Signed B. Mon Maintenance Manager Date 12/26/01  
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 Georgia and employed by FACTORY MUTUAL INSURANCE COMPANY of Johnston Rhode Island have inspected the components described in this Owner's Report during the period 10/19/01 to 1/4/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles E. Ward  
Inspector's Signature

Commissions

GA 328

IN

National Board, State, Province, and Endorsements

Date

1/4/02

# Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

		<b>Job Number</b> N11 - WO01006462	<b>Sheet</b> 1 <b>of</b> 2																																																																																								
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<b>3. Work performed by</b>  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A																																																																																									
<b>4. Identification of System</b> <div style="text-align: center;">Main Steam System</div>																																																																																											
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<b>7. Description of Work</b> During inspection of Main Steam Isolation Valve Q1N11V0002B (HV3370B), the disc assembly was determined to be in need of replacement. A previously refurbished disc assembly was installed in the valve. Ref: MIF 01048508. See note on sheet 2 for explanation of asterisks.																																																																																											
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input type="checkbox"/> Other Pressure _____ PSI    Temperature _____ °F																																																																																											



# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

Job Number	
N11 - WO01006462	Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports to be attached)

\*These disc assemblies were re-serialized by SNC to improve traceability of individual parts. See the spreadsheet attached to work order 01006462 for a detailed breakdown of manufacturers identification data for each part.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed B. M. M. Maintenance Manager Date 12/14/01  
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 Georgia and employed by FACILITY MUTUAL INSURANCE COMPANY of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 12/17/01 to 12/18/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles E. Ward  
Inspector's Signature

Commissions

GA 328

IN

National Board, State, Province, and Endorsements

Date 12/18/01

# Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

		<b>Job Number</b> N11 - WO01006463	<b>Sheet</b> 1 <b>of</b> 2																																																																																
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Alabama 36319	<b>Unit</b> FNP 1  <b>Date</b> October 25, 2001																																																																																	
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<b>7. Description of Work</b> During inspection of Main Steam Isolation Valve Q1N11V0002C (HV3370C), the disc assembly was determined to be in need of replacement. A previously refurbished disc assembly was installed in the valve. Ref: MIF 01048647. See note on sheet 2 for explanation of asterisks.																																																																																			
<b>8. Test Conducted</b> <div style="display: flex; justify-content: space-between;"> <span><input type="checkbox"/> Hydrostatic</span> <span><input type="checkbox"/> Pneumatic</span> <span><input checked="" type="checkbox"/> Normal Operating Pressure</span> <span><input type="checkbox"/> None</span> <span><input type="checkbox"/> Other</span> </div> Pressure _____ PSI    Temperature _____ °F																																																																																			

# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

Job Number	Sheet
N11 - WO01006463	2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports to be attached)

\*These disc assemblies were re-serialized by SNC to improve traceability of individual parts. See the spreadsheet attached to work order 01006463 for a detailed breakdown of manufacturers identification data for each part.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed *[Signature]* Maintenance Manager Date 12/14/01

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 Georgia and employed by FACTORY MUTUAL INSURANCE Co. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 10/15/01 to 12/18/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

*[Signature]*  
Inspector's Signature

Commissions

GA 328

IN

National Board, State, Province, and Endorsements

Date 12/18/01

# Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

		<b>Job Number</b> N11 - WO01006464	<b>Sheet</b> 1 <b>of</b> 2																																																																																								
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Alabama 36319	<b>Unit</b> FNP 1 <hr/> <b>Date</b> October 25, 2001																																																																																									
<b>3. Work performed by</b>  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A																																																																																									
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<b>7. Description of Work</b> During inspection of Main Steam Isolation Valve Q1N11V0001B (HV3369B), the disc assembly was determined to be in need of replacement. A previously refurbished disc assembly was installed in the valve. Ref: MIF 01048726. See note on sheet 2 for explanation of asterisks.																																																																																											
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input type="checkbox"/> Other Pressure _____ PSI    Temperature _____ °F																																																																																											

# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

Job Number	N11 - WO01006464	Sheet 2 of 2
<b>9. Remarks (Applicable Manufacturer's Data Reports to be attached)</b>		
*These disc assemblies were re-serialized by SNC to improve traceability of individual parts. See the spreadsheet attached to work order 01006464 for a detailed breakdown of manufacturers identification data for each part.		

<b>Certificate of Compliance</b>			
We certify that the statements made in the report are correct and this _____ replacement _____ conforms to the rules of the ASME Code, Section XI. repair or replacement			
Type Code Symbol Stamp	N/A		
Certificate of Authorization Number	N/A	Expiration Date	N/A
Signed	<u><i>BLM</i></u>	Maintenance Manager	Date <u>12/14/01</u>
Owner or Owner's Designee, Title			

<b>Certificate of Inservice Inspection</b>			
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Georgia</u> and employed by <u>FACILITY MUTUAL INSURANCE COMPANY</u> of <u>Johnston, Rhode Island</u> have inspected the components described in this Owner's Report during the period <u>10/17/01</u> to <u>12/18/01</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.			
By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.			
<u><i>Charles J. Ward</i></u>	Commissions	<u>GA 328</u>	<u>IN</u>
Inspector's Signature		National Board, State, Province, and Endorsements	
Date	<u>12/18/01</u>		

# Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

<b>Job Number</b> N11 - WO01006466	<b>Sheet 1 of 2</b>
---------------------------------------	---------------------

<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Alabama 36319	<b>Unit</b> FNP 1
		<b>Date</b> October 25, 2001

<b>3. Work performed by</b>  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>	<b>Type Code Symbol Stamp</b> N/A
	<b>Authorization Number</b> N/A
	<b>Expiration Date</b> N/A

<b>4. Identification of System</b> Main Steam System
---

<b>5.</b> (a) Applicable Construction Code: <u>ASME Section III,</u> 19 <u>71</u> Edition <u>Summer 1973</u> Addenda. <u>N/A</u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, 19 <u>89</u> Edition <u>N/A</u> Addenda. <u>N/A</u> Code Case
--

6. Identification of Components Repaired or Replaced and Replacement Components:							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes / No)
Disc Assembly	Atwood & Morrill	*FNPSN16	N/A	P. O. FNP-191	1975	Replaced	Yes
Disc Assembly	Atwood & Morrill	*FNPSN7	N/A	P. O. QP010569	2001	Replacement	No

<b>7. Description of Work</b> During inspection of Main Steam Isolation Valve Q1N11V0001C (HV3369C), the disc assembly was determined to be in need of replacement. A previously refurbished disc assembly was installed in the valve. Ref: MIF 01048728. See note on sheet 2 for explanation of asterisks.
---

<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input type="checkbox"/> Other Pressure _____ PSI   Temperature _____ °F
---

# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

Job Number

N11 - WO01006466

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports to be attached)

\*These disc assemblies were re-serialized by SNC to improve traceability of individual parts. See the spreadsheet attached to work order 01006466 for a detailed breakdown of manufacturers identification data for each part.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A \_\_\_\_\_ Expiration Date \_\_\_\_\_ N/A

Signed BCM Maintenance Manager Date 12/14/01  
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 Georgia and employed by FACILITY MUTUAL INSURANCE COMPANY of JOHNSTON RHODE ISLAND have inspected the components described in this Owner's Report during the period 10/17/01 to 12/18/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles E. Ward  
Inspector's Signature

Commissions

GA 328

IN

National Board, State, Province, and Endorsements

Date 12/18/01

# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

<b>Job Number</b> F16 - W001006955	<b>Sheet</b> 1 of 2
---------------------------------------	---------------------

<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Alabama 36319	<b>Unit</b> FNP 1
		<b>Date</b> October 29, 2001

<b>3. Work performed by</b>  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>	<b>Type Code Symbol Stamp</b> N/A
	<b>Authorization Number</b> N/A
	<b>Expiration Date</b> N/A

<b>4. Identification of System</b> Storage Equipment
---

<b>5.</b> (a) Applicable Construction Code: <u>ASME Section III,</u> 19 <u>71</u> Edition <u>Summer 1971</u> Addenda, <u>N/A</u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, 19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case
--

6. Identification of Components Repaired or Replaced and Replacement Components:							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes / No)
Stud (3)	Texas Bolt Company	CD51	N/A	P. O. 7047-Q-62730	1974	Replaced	No
Nut (6)	Texas Bolt Company	CD60	N/A	P. O. 7047-Q-62730	1974	Replaced	No
Stud (3)	Nova Machine Products	96469	N/A	P. O. QP980481	1998	Replacement	No
Nut (6)	Texas Bolt Company	CD60	N/A	P. O. 7047-Q-62730	1974	Replacement	No

<b>7. Description of Work</b> A heavy boron build-up was noted on the 16" piping connection from the Refueling Water Storage Tank (Q1F16T0501) to the Safety Injection System during a VT-2 examination. As a result, a VT-3 examination was performed on the bolting and flanges. Three (3) studs failed the VT-3 examination due to corrosion in the thread area. These three studs, as well as six (6) nuts, were replaced. Ref: MIF 01051281.
--

<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input type="checkbox"/> Other Pressure _____ PSI    Temperature _____ °F
--



# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

Job Number

FI6 - WO01006955

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports to be attached)

### Certificate of Compliance

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

Type Code Symbol Stamp N/A

Certificate of Authorization Number N/A Expiration Date N/A

Signed B. Munn Maintenance Manager Date 12/17/01  
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 Georgia and employed by FACTORY MUTUAL INSURANCE COMPANY of Johnston Rhode Island have inspected the components described in this Owner's Report during the period 10/24/01 to 12/21/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles G. Ward  
Inspector's Signature

Commissions

GA 328

IN

National Board, State, Province, and Endorsements

Date 12/21/01

# Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

<b>Job Number</b> N11 - WO01006465	<b>Sheet</b> 1 <b>of</b> 2
---------------------------------------	----------------------------

<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Alabama 36319	<b>Unit</b> FNP 1
		<b>Date</b> October 25, 2001

<b>3. Work performed by</b>  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>	<b>Type Code Symbol Stamp</b> N/A
	<b>Authorization Number</b> N/A
	<b>Expiration Date</b> N/A

<b>4. Identification of System</b> Main Steam System
---

<b>5.</b> (a) Applicable Construction Code: <u>ASME Section III,</u> 19 <u>71</u> Edition <u>Summer 1973</u> Addenda, <u>N/A</u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, 19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case
--

6. Identification of Components Repaired or Replaced and Replacement Components:							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes / No)
Disc Assembly	Atwood & Morrill	*FNPSN14	N/A	P. O. 38053	1985	Replaced	No
Disc Assembly	Atwood & Morrill	*FNPSN8	N/A	P. O. QP010569	2001	Replacement	No

<b>7. Description of Work</b> During inspection of Main Steam Isolation Valve Q1N11V0001A (HV3369A), the disc assembly was determined to be in need of replacement. A previously refurbished disc assembly was installed in the valve. Ref: MIF 01048727. See note on sheet 2 for explanation of asterisks.
---

<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input type="checkbox"/> Other Pressure _____ PSI   Temperature _____ °F
---

# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

Job Number

N11 - WO01006465

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports to be attached)

\*These disc assemblies were re-serialized by SNC to improve traceability of individual parts. See the spreadsheet attached to work order 01006465 for a detailed breakdown of manufacturers identification data for each part.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed \_\_\_\_\_ Maintenance Manager Date 12/19/01  
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 Georgia and employed by FACTORY MUTUAL INSURANCE COMPANY OF JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 10/16/01 to 1/7/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles E. Ward  
Inspector's Signature

Commissions

GA 322

INA

National Board, State, Province, and Endorsements

Date 1/7/02

# Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

		<b>Job Number</b> N11 - W001006461	<b>Sheet</b> 1 <b>of</b> 2																																																																																								
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Alabama 36319	<b>Unit</b> FNP 1  <b>Date</b> October 25, 2001																																																																																									
<b>3. Work performed by</b>  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A																																																																																									
<b>4. Identification of System</b> <div style="text-align: center;">Main Steam System</div>																																																																																											
<b>5.</b> (a) Applicable Construction Code: <u>ASME Section III,</u> 19 <u>71</u> Edition <u>Summer 1973</u> Addenda, <u>N/A</u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, 19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case																																																																																											
<b>6. Identification of Components Repaired or Replaced and Replacement Components:</b> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 12.5%;">Name of Component</th> <th style="width: 12.5%;">Name of Manufacturer</th> <th style="width: 12.5%;">Manufacturer Serial Number</th> <th style="width: 12.5%;">National Board No.</th> <th style="width: 12.5%;">Other Identification</th> <th style="width: 12.5%;">Year Built</th> <th style="width: 12.5%;">Repaired, Replaced, or Replacement</th> <th style="width: 12.5%;">ASME Code Stamped (Yes / No)</th> </tr> </thead> <tbody> <tr> <td>Disc Assembly</td> <td>Atwood &amp; Morrill</td> <td>*FNPSN11</td> <td>N/A</td> <td>P. O. 22602</td> <td>1985</td> <td>Replaced</td> <td>No</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr> <td>Disc Assembly</td> <td>Atwood &amp; Morrill</td> <td>*FNPSN9</td> <td>N/A</td> <td>P. O. QP991099</td> <td>2000</td> <td>Replacement</td> <td>No</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes / No)	Disc Assembly	Atwood & Morrill	*FNPSN11	N/A	P. O. 22602	1985	Replaced	No									Disc Assembly	Atwood & Morrill	*FNPSN9	N/A	P. O. QP991099	2000	Replacement	No																																																								
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Disc Assembly	Atwood & Morrill	*FNPSN9	N/A	P. O. QP991099	2000	Replacement	No																																																																																				
<b>7. Description of Work</b> During inspection of Main Steam Isolation Valve Q1N11V0002A (HV3370A), the disc assembly was determined to be in need of replacement. A previously refurbished disc assembly was installed in the valve. Ref: MIF 01048596. See note on sheet 2 for explanation of asterisks.																																																																																											
<b>8. Test Conducted</b> <div style="display: flex; justify-content: space-between;"> <span><input type="checkbox"/> Hydrostatic</span> <span><input type="checkbox"/> Pneumatic</span> <span><input checked="" type="checkbox"/> Normal Operating Pressure</span> <span><input type="checkbox"/> None</span> <span><input type="checkbox"/> Other</span> </div> Pressure _____ PSI    Temperature _____ °F																																																																																											

# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

Job Number	
N11 - WO01006461	Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports to be attached)

\*These disc assemblies were re-serialized by SNC to improve traceability of individual parts. See the spreadsheet attached to work order 01006461 for a detailed breakdown of manufacturers identification data for each part.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed B. Munn Maintenance Manager Date 12/14/01  
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 Georgia and employed by FACTORY MUTUAL INSURANCE COMPANY of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 10/13/01 to 11/7/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles G. Ward  
Inspector's Signature

Commissions

GA 328

IN 11

National Board, State, Province, and Endorsements

Date 1/7/02

## Form NIS-2 Owner's Report For Repairs Or Replacements

**RType : L1.52**

As Required By The Provisions Of The ASME Code Section XI

Job Number <div style="text-align: center; border: 1px solid black; padding: 2px;">E21-WO20008603</div>					Sheet 1 of 2		
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)			<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Al. 36319			<b>Unit</b> <div style="text-align: center;">FNP 1</div>	
<b>3. Work Performed By</b> Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>			<b>Type Code Symbol Stamp</b> <div style="text-align: center;">N/A</div>				
			<b>Authorization Number</b> <div style="text-align: center;">N/A</div>				
			<b>Expiration Date</b> <div style="text-align: center;">N/A</div>				
<b>4. Identification Of System</b> <div style="text-align: center;">Chemical and Volume Control System</div>							
<b>5.</b> (a) Applicable Construction Code: <u>                    </u> * See sheet 2      19      Edition      Addenda,      Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements,      19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case							
<b>6. Identification Of Components Repaired Or Replaced and Replacement Components :</b>							
Name Of Component	Name Of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired Replaced Or Replacement	ASME Code Stamped (Yes / No)
Mech. Snubber	Pacific Scientific	360	N/A	P.O. FNP2-29	1976	Replaced	No
Hyd. Snubber	Lisega	00614770/085	N/A	P.O. QP010702	2000	Replacement	No
<b>7. Description Of Work</b> Snubber SS-4934 was removed from its support by Williams Power Corporation, tested by Wyle Laboratories and replaced with a Lisega hydraulic snubber by Williams Power Corporation as part of a scheduled upgrade program. Ref: MIF 01048712							
<b>8. Test Conducted</b> <div style="display: flex; justify-content: space-between;"> <span><input type="checkbox"/> Hydrostatic</span> <span><input type="checkbox"/> Pneumatic</span> <span><input type="checkbox"/> Normal Operating Pressure</span> <span><input checked="" type="checkbox"/> None</span> <span><input type="checkbox"/> Other</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>Pressure      PSI</span> <span>Temperature      °F</span> </div>							

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number

E21-WO20008603

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

Type Code Symbol Stamp N/A

Certificate of Authorization Number N/A Expiration Date N/A

Signed B. Munn Maintenance Manager Date 12/26/01  
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 Georgia and Employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, Rhode Island have inspected the components described in this Owner's Report during the period 10/5/01 to 1/2/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles E. Ward  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date 1/2/02

# Form NIS-2 Owner's Report For Repairs Or Replacements

RType : L1.52

As Required By The Provisions Of The ASME Code Section XI

		<b>Job Number</b> E13-WO20008585	<b>Sheet</b> 1 of 2																																																																																
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Al. 36319	<b>Unit</b> FNP 1 <hr/> <b>Date</b> October 20, 2001																																																																																	
<b>3. Work Performed By</b> Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A																																																																																	
<b>4. Identification Of System</b> Containment Spray System																																																																																			
<b>5.</b> (a) Applicable Construction Code: <u>* See sheet 2</u> 19 Edition <u>          </u> Addenda, <u>          </u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, 19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case																																																																																			
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Mech. Snubber	Pacific Scientific	1109	N/A	P.O. FNP2-29	1977	Replacement	No																																																																												
<b>7. Description Of Work</b> Snubber CSR260B was removed from its support by Williams Power Corporation, tested by Wyle Laboratories and replaced with a PSA 1 mechanical snubber by Williams Power Corporation due to time limitation. Ref: MIF 01049759																																																																																			
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure <u>          </u> PSI    Temperature <u>          </u> °F																																																																																			



# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number

E13-WO20008585

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed B. Mone Maintenance Manager Date 12/26/01  
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 Georgia and Employed by FACTORY MUTUAL INSURANCE CO. of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 10/5/01 to 1/2/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles E. Ward  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date 1/2/02

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number N11-WO20007828	Sheet 1 of 2
------------------------------	--------------

1. Owner Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	2. Plant Farley Nuclear Plant Highway 95 South Columbia, Al. 36319	Unit FNP 1
		Date October 22, 2001

3. Work Performed By  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>	Type Code Symbol Stamp N/A
	Authorization Number N/A
	Expiration Date N/A

4. Identification Of System Main Steam System
--

5.	(a) Applicable Construction Code: <u>                    </u> * See sheet 2	19	Edition	<u>                    </u>	Addenda,	<u>                    </u>	Code Case
	(b) Applicable Section XI Utilized For Repairs Or Replacements ,	19	89	Edition	<u>N/A</u>	Addenda,	<u>N/A</u>
							Code Case

6. Identification Of Components Repaired Or Replaced and Replacement Components :							
Name Of Component	Name Of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired Replaced Or Replacement	ASME Code Stamped (Yes / No)
Cylinder Tubing	Grinnell	TD	N/A	P.O. QP3812	1990	Replaced	No
Cylinder Tubing	Grinnell	TD	N/A	P.O. QP3812	1990	Replacement	No

7. Description Of Work Snubber MS-R216 was removed from its support by Williams Power Corporation, rebuilt by Wyle Labortories and reinstalled by Williams Power Corporation. The cylinder tubing was replaced during the rebuilding process due to corrosion. Ref: MIF 01049433
---

8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure <u>          </u> PSI    Temperature <u>          </u> °F
---

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType: L1.52

Job Number

N11-WO20007828

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed *BSM* Maintenance Manager Date 12/27/01  
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 Georgia and Employed by FACTORY MUTUAL INSURANCE CO. of Johnston Rhode Island have inspected the components described in this Owner's Report during the period 10/5/01 to 1/3/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

*Charles J. Ward*  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date 1/3/02

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number E13-WO20008584	Sheet 1 of 2
------------------------------	--------------

1. Owner Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	2. Plant Farley Nuclear Plant Highway 95 South Columbia, Al. 36319	Unit FNP 1
		Date October 20, 2001

3. Work Performed By  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>	Type Code Symbol Stamp N/A
	Authorization Number N/A
	Expiration Date N/A

4. Identification Of System Containment Spray System
---

5.	(a) Applicable Construction Code: <u>* See sheet 2</u> 19	Edition	Addenda,	Code Case
	(b) Applicable Section XI Utilized For Repairs Or Replacements , 19 <u>89</u>	Edition	Addenda, <u>N/A</u>	Code Case

## 6. Identification Of Components Repaired Or Replaced and Replacement Components :

Name Of Component	Name Of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired Replaced Or Replacement	ASME Code Stamped (Yes / No)
Mech. Snubber	Pacific Scientific	1108	N/A	P.O. FNP-222	1976	Replaced	No
Mech. Snubber	Pacific Scientific	2803	N/A	P.O. FNP2-29	1977	Replacement	No

7. Description Of Work Snubber CSR260A was removed from its support by Williams Power Corporation, tested by Wyle Laboratories and replaced with PSA 1 mechanical snubber by Williams Power Corporation due to time limitations. Ref: MIF 01049761
---

8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure _____ PSI    Temperature _____ °F
---

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number

E13-WO20008584

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

Type Code Symbol Stamp N/A

Certificate of Authorization Number N/A Expiration Date N/A

Signed B/Moon Maintenance Manager Date 12/27/01  
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 Georgia and Employed by FACILITY MUTUAL INSURANCE CO of Johnston Rhode Island have inspected the components described in this Owner's Report during the period 10/5/01 to 1/3/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles E. Ward  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date 1/3/02

# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

		<b>Job Number</b> E21 - WO20004659	<b>Sheet</b> 1 <b>of</b> 2																																																																																
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Alabama 36319	<b>Unit</b> FNP 1																																																																																	
		<b>Date</b> October 30, 2001																																																																																	
<b>3. Work performed by</b> Name : <u>Southern Nuclear Operating Company Maintenance Department</u> Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A <b>Authorization Number</b> N/A <b>Expiration Date</b> N/A																																																																																	
<b>4. Identification of System</b> Chemical And Volume Control System																																																																																			
<b>5.</b> (a) Applicable Construction Code: <u>ASME Section III,</u> 19 <u>68</u> Edition <u>Winter 1970</u> Addenda, <u>N/A</u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, 19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case																																																																																			
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<b>7. Description of Work</b> Valve Q1E21V0332 (HCV0186) was reported to be oscillating causing the seal injection flows to swing. Upon investigation, it was discovered that the plug had galled to the cage. A new plug assembly (plug, stem, cage & roll pin) was installed in the valve. Ref: MIF 01042020.																																																																																			
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input type="checkbox"/> Other Pressure _____ PSI   Temperature _____ °F																																																																																			

# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

Job Number

E21 - WO20004659

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports to be attached)

The replaced plug was installed under work order M97002093.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed B. M. M. Maintenance Manager Date 11/17/01  
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 Georgia and employed by FACTORY MUTUAL INSURANCE COMPANY of JOHNSTON RHODE ISLAND have inspected the components described in this Owner's Report during the period 10/23/01 to 11/21/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles F. Ward  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date 11/21/01

# Form NIS-2 Owner's Report For Repairs Or Replacements

RType : L1.52

As Required By The Provisions Of The ASME Code Section XI

		<b>Job Number</b> B21-WO20008588	<b>Sheet</b> 1 of 2																																																																																								
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, AL 36319	<b>Unit</b> FNP 1																																																																																									
		<b>Date</b> October 20, 2001																																																																																									
<b>3. Work Performed By</b>  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A																																																																																									
<b>4. Identification Of System</b> <div style="text-align: center;">Steam Generator</div>																																																																																											
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<b>7. Description Of Work</b> Snubber FT426B was removed from its support by Williams Power Corporation, tested by Wyle Laboratories and was replaced with a Lisega hydraulic snubber by Williams Power Corporation as part of a scheduled upgrade program. Ref: MIF 01048699																																																																																											
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure      PSI      Temperature      °F																																																																																											



# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number

B21-WO20008588

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed B. C. Mon Maintenance Manager Date 11/3/01  
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 Georgia and Employed by FACTORY MUTUAL INSURANCE CO of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 10/5/01 to 11/6/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles G. Ward  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date 11/6/01

As Required By The Provisions Of The ASME Code Section XI

				Job Number B21-WO20008593		Sheet 1 of 2																																																																																	
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)			<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, AL 36319			<b>Unit</b> FNP 1																																																																																	
						<b>Date</b> October 18, 2001																																																																																	
<b>3. Work Performed By</b>  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>				<b>Type Code Symbol Stamp</b> N/A																																																																																			
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Hyd. Snubber	Lisega	00614770/076	N/A	P.O. QP010702	2000	Replacement	NO																																																																																
<b>7. Description Of Work</b> Snubber FT435B was removed from its support by Williams Power Corporation, tested by Wyle Laboratories and replaced with a Lisega hydraulic snubber by Williams Power Corporation as part of a scheduled upgrade program. Ref: MIF 01048720																																																																																							
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure <u>          </u> PSI    Temperature <u>          </u> °F																																																																																							

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number

B21-WO20008593

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed B. Mon Maintenance Manager Date 4/3/01  
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 GEORGIA and Employed by FACTORY MUTUAL INSURANCE CO of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 10/5/01 to 11/5/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles G. Ward  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date 11/5/01

# Form NIS-2 Owner's Report For Repairs Or Replacements

RType : L1.52

As Required By The Provisions Of The ASME Code Section XI

<b>Job Number</b> G24-WO20008612					<b>Sheet</b> 1 of 2		
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)			<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Al. 36319			<b>Unit</b> FNP 1  <b>Date</b> October 12, 2001	
<b>3. Work Performed By</b>  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>					<b>Type Code Symbol Stamp</b> N/A  <b>Authorization Number</b> N/A  <b>Expiration Date</b> N/A		
<b>4. Identification Of System</b> Steam Generator Blowdown System							
<b>5.</b> (a) Applicable Construction Code: <u>                    </u> * See sheet 2 <u>19</u> Edition <u>                    </u> Addenda, <u>                    </u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, <u>19</u> <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case							
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<b>Name Of Component</b>	<b>Name Of Manufacturer</b>	<b>Manufacturer Serial Number</b>	<b>National Board No.</b>	<b>Other Identification</b>	<b>Year Built</b>	<b>Repaired Replaced Or Replacement</b>	<b>ASME Code Stamped (Yes / No)</b>
Mech. Snubber	Pacific Scientific	321	N/A	P.O. FNP-222	1976	Replaced	NO
Hyd. Snubber	Lisega	97614260/36	N/A	P.O. QP010128	2000	Replacement	NO
<b>7. Description Of Work</b> Snubber SS-5836A was removed from its support by Williams Power Corporation, tested by Wyle Laboratories and replaced with a Lisega hydraulic snubber by Williams Power Corporation as part of a scheduled upgrade program. Ref: MIF-01048894							
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure <u>          </u> PSI    Temperature <u>          </u> °F							

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number

G24-WO20008612

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed \_\_\_\_\_ Maintenance Manager Date 11/3/01  
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 Georgia and Employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, Rhode Island have inspected the components described in this Owner's Report during the period 10/5/01 to 11/5/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles G. Ward  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date 11/5/01

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

		<b>Job Number</b> B21-WO20008590	<b>Sheet</b> 1 <b>of</b> 2				
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, AL 36319	<b>Unit</b> FNP 1 <hr/> <b>Date</b> October 20, 2001					
<b>3. Work Performed By</b> Name : <u>Southern Nuclear Operating Company Maintenance Department</u> Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A					
<b>4. Identification Of System</b> Steam Generator							
<b>5.</b> (a) Applicable Construction Code: <u>                    </u> * See sheet 2    19    Edition <u>                    </u> Addenda, <u>                    </u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements,    19 <u>89</u> Edition <u>                    </u> Addenda, <u>                    </u> Code Case							
<b>6. Identification Of Components Repaired Or Replaced and Replacement Components :</b>							
Name Of Component	Name Of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired Replaced Or Replacement	ASME Code Stamped (Yes / No)
Mech. Snubber	Pacific Scientific	37945	N/A	P.O. QP-1470	1987	Replaced	No
Load Stud	Grinnell	None	N/A	P.O. FNP-222	1977	Replaced	No
Hyd. Snubber	Lisega	00614770/078	N/A	P.O. QP010702	2000	Replacement	No
Load Stud	Grinnell	None	N/A	P.O. QP3129	1988	Replacement	No
<b>7. Description Of Work</b> Snubber FT424B was removed from its support by Williams Power Corporation, tested by Wyle Laboratories and replaced with a Lisega hydraulic snubber by Williams Power Corporation as part of a scheduled upgrade program. The load stud was replaced as a result of being damage during removal. Ref: MIF 01048696, 01050350							
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure <u>          </u> PSI    Temperature <u>          </u> °F							

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number

B21-WO20008590

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A \_\_\_\_\_ Expiration Date \_\_\_\_\_ N/A

Signed \_\_\_\_\_ Maintenance Manager Date 11/3/01  
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 Georgia and Employed by FACTORY MUTUAL INSURANCE CO of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 10/5/01 to 11/5/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles E. Ward  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date 11/5/01

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

		<b>Job Number</b> E21-WO20008600	<b>Sheet</b> 1 of 2																																																																								
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, AL 36319	<b>Unit</b> FNP 1 <hr/> <b>Date</b> October 20, 2001																																																																									
<b>3. Work Performed By</b>  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A																																																																									
<b>4. Identification Of System</b> Chemical And Volume Control System																																																																											
<b>5.</b> (a) Applicable Construction Code: <u>                    </u> * See sheet 2      19      Edition      Addenda,      Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements,      19      89      Edition      N/A      Addenda,      N/A      Code Case																																																																											
<b>6. Identification Of Components Repaired Or Replaced and Replacement Components :</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 12.5%;">Name Of Component</th> <th style="width: 12.5%;">Name Of Manufacturer</th> <th style="width: 12.5%;">Manufacturer Serial Number</th> <th style="width: 12.5%;">National Board No.</th> <th style="width: 12.5%;">Other Identification</th> <th style="width: 12.5%;">Year Built</th> <th style="width: 12.5%;">Repaired Replaced Or Replacement</th> <th style="width: 12.5%;">ASME Code Stamped (Yes / No)</th> </tr> </thead> <tbody> <tr> <td>Mech. Snubber</td> <td>Pacific Scientific</td> <td>19711</td> <td>N/A</td> <td>P.O. QP-1299</td> <td>1983</td> <td>Replaced</td> <td>Yes</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>Hyd. Snubber</td> <td>Lisega</td> <td>00614770/082</td> <td>N/A</td> <td>P.O. QP010702</td> <td>2000</td> <td>Replacement</td> <td>No</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				Name Of Component	Name Of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired Replaced Or Replacement	ASME Code Stamped (Yes / No)	Mech. Snubber	Pacific Scientific	19711	N/A	P.O. QP-1299	1983	Replaced	Yes									Hyd. Snubber	Lisega	00614770/082	N/A	P.O. QP010702	2000	Replacement	No																																								
Name Of Component	Name Of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired Replaced Or Replacement	ASME Code Stamped (Yes / No)																																																																				
Mech. Snubber	Pacific Scientific	19711	N/A	P.O. QP-1299	1983	Replaced	Yes																																																																				
Hyd. Snubber	Lisega	00614770/082	N/A	P.O. QP010702	2000	Replacement	No																																																																				
<b>7. Description Of Work</b> Snubber SS-4133E was removed from its support by Williams Power Corporation, tested by Wyle Laboratories and replaced with a Lisega hydraulic snubber by Williams Power Corporation as part of a scheduled upgrade program. Ref: MIF 01048705																																																																											
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure      PSI      Temperature      °F																																																																											



# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number

E21-WO20008600

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

Type Code Symbol Stamp N/A

Certificate of Authorization Number N/A Expiration Date N/A

Signed B. Um... Maintenance Manager Date 11/3/01

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 GEORGIA and Employed by FACILITY MUTUAL INSURANCE CO. of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 10/5/01 to 11/5/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles F. Ward  
Inspector's Signature

Commissions

60 328

INA

National Board, State, Province, and Endorsements

Date 11/5/01

# Form NIS-2 Owner's Report For Repairs Or Replacements

RType : L1.52

As Required By The Provisions Of The ASME Code Section XI

		Job Number <b>B21-WO20008591</b>	Sheet 1 of 2				
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, AL 36319	Unit FNP 1 <hr/> Date October 18, 2001					
<b>3. Work Performed By</b>  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A					
<b>4. Identification Of System</b> Steam Generator							
<b>5.</b> (a) Applicable Construction Code: <u>                    </u> * See sheet 2      19      Edition      Addenda,      Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements,      19      89      Edition      N/A      Addenda,      N/A      Code Case							
<b>6. Identification Of Components Repaired Or Replaced and Replacement Components :</b>							
Name Of Component	Name Of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired Replaced Or Replacement	ASME Code Stamped (Yes / No)
Mech. Snubber	Pacific Scientific	37946	N/A	P.O. QP-1470	1987	Replaced	NO
Hyd. Snubber	Lisega	00614770/077	N/A	P.O. QP010702	2000	Replacement	NO
<b>7. Description Of Work</b> Snubber FT435A was removed from its support by Williams Power Corporation, tested by Wyle Laboratories and was replaced with a Lisega hydraulic snubber by Williams Power Corporation as part of a scheduled program. Ref: MIF 01048722							
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure      PSI    Temperature      °F							

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number

B21-WO20008591

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

Type Code Symbol Stamp N/A

Certificate of Authorization Number N/A Expiration Date N/A

Signed B. Mon Maintenance Manager Date 11/3/01  
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 Georgia and Employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 10/5/01 to 11/6/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles G. Ward  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date 11/6/01

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

<b>Job Number</b> B21-WO20008586					<b>Sheet</b> 1 of 2		
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)			<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, AL 36319			<b>Unit</b> FNP 1	
						<b>Date</b> October 19, 2001	
<b>3. Work Performed By</b>  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>					<b>Type Code Symbol Stamp</b> N/A		
					<b>Authorization Number</b> N/A		
					<b>Expiration Date</b> N/A		
<b>4. Identification Of System</b> Steam Generator							
<b>5.</b> (a) Applicable Construction Code: <u>                    </u> * See sheet 2 <u>19</u> Edition <u>                    </u> Addenda, <u>                    </u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, <u>19</u> <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case							
<b>6. Identification Of Components Repaired Or Replaced and Replacement Components :</b>							
Name Of Component	Name Of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired Replaced Or Replacement	ASME Code Stamped (Yes / No)
Mech Snubber	Pacific Scientific	3083	N/A	P.O. FNP-222	1977	Replaced	No
Hyd. Snubber	Lisega	00614770/079	N/A	P.O. QP010702	2000	Replacement	No
<b>7. Description Of Work</b> Snubber FT426A was removed from its support by Williams Power Corporation, tested by Wyle Laboratories and replaced with a Lisega hydraulic snubber by Williams Power Corporation as part of a scheduled upgrade program. Ref: MIF 01048701							
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure <u>          </u> PSI   Temperature <u>          </u> °F							

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number

B21-WO20008586

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed 30Mmm Maintenance Manager Date 10/25/01  
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 GEORGIA and Employed by FACORY MUTUAL INSURANCE CO of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 10/5/01 to 11/6/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles G. Ward  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date 11/6/01

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

		<b>Job Number</b> E21-WO20008624	<b>Sheet</b> 1 of 2				
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, AL 36319	<b>Unit</b> FNP 1 <hr/> <b>Date</b> October 20, 2001					
<b>3. Work Performed By</b>  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A					
<b>4. Identification Of System</b> Chemical & Volume Control System							
<b>5.</b> (a) Applicable Construction Code: <u>                    </u> * See sheet 2      19      Edition      Addenda,      Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements,      19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case							
<b>6. Identification Of Components Repaired Or Replaced and Replacement Components :</b>							
<b>Name Of Component</b>	<b>Name Of Manufacturer</b>	<b>Manufacturer Serial Number</b>	<b>National Board No.</b>	<b>Other Identification</b>	<b>Year Built</b>	<b>Repaired Replaced Or Replacement</b>	<b>ASME Code Stamped (Yes / No)</b>
Hyd. Snubber	Lisega	61287/68	N/A	P.O. QP950277	1993	Replaced	No
Hyd. Snubber	Lisega	00614800/048	N/A	P.O. QP010926	2000	Replacement	No
<b>7. Description Of Work</b> Snubber SS-4640 was removed from its support by Williams Power Corporation, tested by Wyle Laboratories and replaced with a Lisega hydraulic snubber by Williams Power Corporation due to a broken reservoir snap ring on the original snubber. Ref: MIF 01050899							
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure      PSI    Temperature      °F							

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number

E21-WO20008624

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

Type Code Symbol Stamp N/A

Certificate of Authorization Number N/A Expiration Date N/A

Signed B. Munn Maintenance Manager Date 4/3/01  
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 Georgia and Employed by FACTORY MUTUAL INSURANCE CO of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 10/5/01 to 11/7/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles G. Ward  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date 11/7/01

As Required By The Provisions Of The ASME Code Section XI

Job Number <div style="border: 1px solid black; padding: 2px; display: inline-block;">B21-WO20008592</div>					Sheet 1 of 2		
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)			<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, AL 36319			<b>Unit</b> FNP 1  <b>Date</b> October 18, 2001	
<b>3. Work Performed By</b>  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>					<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A		
<b>4. Identification Of System</b> <div style="text-align: center;">Steam Generator</div>							
<b>5.</b> (a) Applicable Construction Code: _____ * See sheet 2 _____ 19 _____ Edition _____ Addenda, _____ Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, 19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case							
<b>6. Identification Of Components Repaired Or Replaced and Replacement Components :</b>							
Name Of Component	Name Of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired Replaced Or Replacement	ASME Code Stamped (Yes / No)
Mech. Snubber	Pacific Scientific	23759	N/A	P.O. QP-1299	1982	Replaced	Yes
Hyd. Snubber	Lisega	00614770/097	N/A	P.O. QP010702	2000	Replacement	No
<b>7. Description Of Work</b> Snubber FT-434A was removed from its support by Williams Power Corporation, tested by Wyle Laboratories and was replaced with a Lisega hydraulic snubber by Williams Power Corporation as part of a scheduled upgrade program. Ref: MIF 01048721							
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure _____ PSI    Temperature _____ °F							



# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number

B21-WO20008592

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

repair or replacement

Type Code Symbol Stamp

N/A

Certificate of Authorization Number

N/A

Expiration Date

N/A

Signed

*BC Mon*

Maintenance Manager

Date

11/3/01

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 Georgia and Employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON Rhode Island have inspected the components described in this Owner's Report during the period 10/5/01 to 11/6/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

*Charles E. Wood*  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date

11/6/01

# Form NIS-2 Owner's Report For Repairs Or Replacements

RType : L1.52

As Required By The Provisions Of The ASME Code Section XI

		<b>Job Number</b> B21-WO20008589	<b>Sheet</b> 1 of 2				
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, AL 36319	<b>Unit</b> FNP 1 <hr/> <b>Date</b> October 20, 2001					
<b>3. Work Performed By</b> Name : <u>Southern Nuclear Operating Company Maintenance Department</u> Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A					
<b>4. Identification Of System</b> Steam Generator							
<b>5.</b> (a) Applicable Construction Code: <u>          </u> * See sheet 2 <u>19</u> Edition <u>          </u> Addenda, <u>          </u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, <u>19</u> <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case							
<b>6. Identification Of Components Repaired Or Replaced and Replacement Components :</b>							
Name Of Component	Name Of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired Replaced Or Replacement	ASME Code Stamped (Yes / No)
Mech. Snubber	Pacific Scientific	1987	N/A	P.O. FNP2-29	1977	Replaced	No
Bolt	Unknown	None	N/A	None	N/A	Replaced	No
Hyd. Snubber	Lisega	00614770/084	N/A	P.O. QP010702	2000	Replacement	No
Load Stud	Grinnell	None	N/A	P.O. QP3129	1988	Replacement	No
<b>7. Description Of Work</b> Snubber FT425B was removed from its support by Williams Power Corporation, tested by Wyle Laboratories and replaced with Lisega hydraulic snubber by Williams Power Corporation as part of a scheduled upgrade program. Load stud used to replace a bolt that was inadvertently used in previous maintenance activities. Ref: MIF 01048698, 01050349							
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure <u>          </u> PSI    Temperature <u>          </u> °F							

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number	
B21-WO20008589	Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A \_\_\_\_\_ Expiration Date \_\_\_\_\_ N/A

Signed B. M. M. Maintenance Manager Date 11/3/01

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 Georgia and Employed by FACTORY MUTUAL INSURANCE CO of JOHNSTON R. L. O. E. I. S. L. A. N. D. have inspected the components described in this Owner's Report during the period 10/5/01 to 11/6/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles F. M. M.  
Inspector's Signature

Commissions

GA 322

INA

National Board, State, Province, and Endorsements

Date 11/6/01

# Form NIS-2 Owner's Report For Repairs Or Replacements

RType : L1.52

As Required By The Provisions Of The ASME Code Section XI

		<b>Job Number</b> E21-WO20008599	<b>Sheet</b> 1 of 2				
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Al. 36319	<b>Unit</b> FNP 1 <hr/> <b>Date</b> October 17, 2001					
<b>3. Work Performed By</b> Name : <u>Southern Nuclear Operating Company Maintenance Department</u> Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A					
<b>4. Identification Of System</b> Safety Injection System							
<b>5.</b> (a) Applicable Construction Code: <u>                    </u> * See sheet 2    19    Edition <u>                    </u> Addenda, <u>                    </u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements,    19 <u>89</u> Edition <u>                    </u> Addenda, <u>                    </u> Code Case							
<b>6. Identification Of Components Repaired Or Replaced and Replacement Components :</b>							
Name Of Component	Name Of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired Replaced Or Replacement	ASME Code Stamped (Yes / No)
Mech. Snubber	Pacific Scientific	37957	N/A	P.O. QP-1470	1987	Replaced	NO
Hyd. Snubber	Lisega	00614770/101	N/A	P.O. QP101702	2000	Replacement	NO
<b>7. Description Of Work</b> Snubber SS-4104 was removed from its support by Williams Power Corporation, tested by Wyle Laboratories and was replaced with a Lisega hydraulic snubber by Williams Power Corporation as part of a scheduled upgrade program. Ref: MIF 01048715							
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure <u>                    </u> PSI    Temperature <u>                    </u> °F							

# Form NIS-2 Owner's Report For Repairs Or Replacements

RType : L1.52

As Required By The Provisions Of The ASME Code Section XI

Job Number

E21-WO20008599

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed \_\_\_\_\_ Maintenance Manager Date 11/3/01  
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 Georgia and Employed by FACILITY MUTUAL INSURANCE CO of JOHNSTON Rhode Island have inspected the components described in this Owner's Report during the period 10/5/01 to 11/6/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles G. Ward  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date 11/6/01

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

		<b>Job Number</b> E21-WO20008678	<b>Sheet</b> 1 of 2																																																																																
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Al. 36319	<b>Unit</b> FNP 1																																																																																	
		<b>Date</b> October 19, 2001																																																																																	
<b>3. Work Performed By</b>  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A  <b>Authorization Number</b> N/A  <b>Expiration Date</b> N/A																																																																																	
<b>4. Identification Of System</b> Chemical & Volume Control System																																																																																			
<b>5.</b> (a) Applicable Construction Code: <u>                    </u> * See sheet 2 19 <u>          </u> Edition <u>          </u> Addenda, <u>          </u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, 19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case																																																																																			
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Fill Port Plug	Grinnell	Unknown	N/A	P.O. FNP-222	1977	Replaced	No																																																																												
Fill Port Plug	Grinnell	093L	N/A	P.O. QP950866	1995	Replacement	No																																																																												
<b>7. Description Of Work</b> Snubber CVCS-R549 was removed from its support by Williams Power Corporation, rebuilt by Wyle Labortories and reinstalled by Williams Power Corporation. The fill port plug was replaced during the rebuilding process as a result of damage during removal. Ref: MIF 01050197																																																																																			
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure <u>          </u> PSI    Temperature <u>          </u> °F																																																																																			

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number

E21-WO20008678

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

Type Code Symbol Stamp N/A

Certificate of Authorization Number N/A Expiration Date N/A

Signed B/M Maintenance Manager Date 4/3/01

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 Georgia and Employed by FACTORY MUTUAL INSURANCE CO of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 10/5/01 to 11/7/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles E. Ward  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date

11/7/01

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

		<b>Job Number</b> E21-WO20008558	<b>Sheet</b> 1 of 2																																																																																
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Al. 36319	<b>Unit</b> FNP 1 <hr/> <b>Date</b> October 23, 2001																																																																																	
<b>3. Work Performed By</b> Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A																																																																																	
<b>4. Identification Of System</b> Safety Injection System																																																																																			
<b>5.</b> (a) Applicable Construction Code: <u>                    </u> * See sheet 2 19 <u>                    </u> Edition <u>                    </u> Addenda, <u>                    </u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, 19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case																																																																																			
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Connecting Tube	Grinnell	None	N/A	P.O. No. FNP-222	1977	Replaced	No																																																																												
Connecting Tube	Grinnell	None	N/A	P.O. No. 23613	1984	Replacement	No																																																																												
<b>7. Description Of Work</b> Snubber SIR123 was removed from its support by Williams Power Corp., tested and rebuilt by Wyle Laboratories, and reinstalled by Williams Power Corp. The connecting tube was replaced during rebuild. Ref: MIF 01050475.																																																																																			
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure <u>                    </u> PSI    Temperature <u>                    </u> °F																																																																																			



# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number

E21-WO20008558

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

We certify that the statements made in this 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 Number N/A Expiration Date N/A

Signed B. C. Munn Maintenance Manager Date 11/3/01

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 Georgia and Employed by FACTORY MUTUAL INSURANCE CO of JOHNSTON RHODE ISLAND have inspected the components described in this Owner's Report during the period 10/5/01 to 11/7/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles E. Ward  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date 11/7/01

# Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

		<b>Job Number</b> E11 - WA655091	<b>Sheet</b> 1 <b>of</b> 2																																																																																									
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Alabama 36319	<b>Unit</b> FNP 1 <hr/> <b>Date</b> October 30, 2001																																																																																										
<b>3. Work performed by</b> Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>		<b>Type Code Symbol Stamp</b> N/A <hr/> <b>Authorization Number</b> N/A <hr/> <b>Expiration Date</b> N/A																																																																																										
<b>4. Identification of System</b> Residual Heat Removal System																																																																																												
<b>5.</b> (a) Applicable Construction Code: <u>ASME Section III,</u> 19 <u>86</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, 19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case																																																																																												
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Mechanical Seal	Ingersoll-Dresser Pump Company	93P-10795	914	P. O. QP931439	1993	Replaced	Yes																																																																																					
Mechanical Seal	Ingersoll-Dresser Pump Company	131018-1A	1113	P. O. QP980695	1998	Replacement	Yes																																																																																					
<b>7. Description of Work</b> The mechanical seal of the 1A Residual Heat Removal Pump (Q1E11P0001A) was scheduled to be replaced based on the operating hours of the pump. The seal assembly was removed from the pump and a new assembly was installed. Ref: MIF 01049918.																																																																																												
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input type="checkbox"/> Other Pressure _____ PSI    Temperature _____ °F																																																																																												

# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

Job Number	Sheet 2 of 2
E11 - WA655091	

## 9. Remarks (Applicable Manufacturer's Data Reports to be attached)

The replaced seal assembly was installed under PCN S91-1-7661 and work order S60004.

## 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 Number N/A Expiration Date N/A

Signed B. Wm Maintenance Manager Date 12/17/01  
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 Georgia and employed by FACILITY MUTUAL INSURANCE COMPANY of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 10/15/01 to 1/8/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles G. Ward Commissions GA 328 INNA  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/8/02

# Form NIS-2 Owner's Report For Repairs Or Replacements

RType : L1.52

As Required By The Provisions Of The ASME Code Section XI

Job Number B21-WO20008587	Sheet 1 of 2
------------------------------	--------------

1. Owner Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)	2. Plant Farley Nuclear Plant Highway 95 South Columbia, AL 36319	Unit FNP 1
		Date October 20, 2001

3. Work Performed By  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>	Type Code Symbol Stamp N/A
	Authorization Number N/A
	Expiration Date N/A

4. Identification Of System Steam Generator
--

5.	(a) Applicable Construction Code: <u>* See sheet 2</u> 19	Edition	Addenda,	Code Case
	(b) Applicable Section XI Utilized For Repairs Or Replacements, 19 <u>89</u>	Edition <u>N/A</u>	Addenda, <u>N/A</u>	Code Case

6. Identification Of Components Repaired Or Replaced and Replacement Components :							
Name Of Component	Name Of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired Replaced Or Replacement	ASME Code Stamped (Yes / No)
Mech. Snubber	Pacific Scientific	37943	N/A	P.O. QP-1470	1987	Replaced	No
Bolt	Unknown	None	N/a	None	N/A	Replaced	No
Hyd. Snubber	Lisega	00614770/065	N/A	P.O. QP010128	2000	Replacement	No
Load Stud	Grinnell	None	N/A	P.O. QP3129	1989	Replacement	No

7. Description Of Work Snubber FT424A was removed from its support by Williams Power Corporation, tested by Wyle Laboratories and was replaced with a Lisega hydraulic snubber by Williams Power Corporation as part of a scheduled upgrade program. Load stud used to replace a bolt that was inadvertently used in previous maintenance activities. Ref: MIF 01048700, 01050353
--

8. Test Conducted <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input checked="" type="checkbox"/> None <input type="checkbox"/> Other Pressure _____ PSI    Temperature _____ °F
---

# Form NIS-2 Owner's Report For Repairs Or Replacements

As Required By The Provisions Of The ASME Code Section XI

RType : L1.52

Job Number

B21-WO20008587

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports To Be Attached)

\* Pipe hanger was designed to AISC requirements and welded to AWS requirements using material traceability requirements of ASME Section III.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed \_\_\_\_\_ Maintenance Manager Date 12/26/01  
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 Georgia and Employed by FACILITY MUTUAL INSURANCE CO. of Johnston Rhode Island have inspected the components described in this Owner's Report during the period 10/5/01 to 1/8/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles E. Ward  
Inspector's Signature

Commissions

GA 328

INA

National Board, State, Province, and Endorsements

Date 1/8/02

# Form NIS-2 Owner's Report for Repairs or Replacements

RType : L1.52

As required by the provisions of the ASME Code Section XI

<b>Job Number</b> G24 - WO01007622					<b>Sheet 1 of 2</b>		
<b>1. Owner</b> Southern Nuclear Operating Company 40 Inverness Center Parkway Birmingham, Alabama 35242 (as agent for Alabama Power Company)			<b>2. Plant</b> Farley Nuclear Plant Highway 95 South Columbia, Alabama 36319			<b>Unit</b> FNP 1  <b>Date</b> October 31, 2001	
<b>3. Work performed by</b>  Name : <u>Southern Nuclear Operating Company Maintenance Department</u>  Address : <u>Joseph M. Farley Nuclear Plant</u>					<b>Type Code Symbol Stamp</b> N/A  <b>Authorization Number</b> N/A  <b>Expiration Date</b> N/A		
<b>4. Identification of System</b> Steam Generator Blowdown System							
<b>5.</b> (a) Applicable Construction Code: <u>ASME Section III,</u> 19 <u>71</u> Edition <u>Summer 1971</u> Addenda, <u>N/A</u> Code Case (b) Applicable Section XI Utilized For Repairs Or Replacements, 19 <u>89</u> Edition <u>N/A</u> Addenda, <u>N/A</u> Code Case							
<b>6. Identification of Components Repaired or Replaced and Replacement Components:</b>							
Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes / No)
Stud (1)	T & T Enterprises	21682	N/A	P. O. QP991144	1999	Replaced	No
Nut (2)	Cardinal Industrial Products	H2	N/A	P. O. QP991144	1993	Replaced	No
Stud (1)	Texas Bolt Company	72521	N/A	P. O. QP000766	2000	Replacement	No
Nut (2)	Mackson, Incorporated	S44018	N/A	P. O. QP010884	2001	Replacement	No
<b>7. Description of Work</b> During the removal of the Steam Generator Blowdown spool piece for Steam Generator Q1B21H0001A, one (1) pipe flange stud was damaged. One (1) new stud and two (2) new nuts were installed. Ref: MIF 01050858.							
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input checked="" type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input type="checkbox"/> Other Pressure _____ PSI    Temperature _____ °F							

# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

Job Number	
G24 - WO01007622	Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports to be attached)

The replaced stud and nut were installed by Bechtel during Steam Generator Replacement (SGR) activities.

## Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A Expiration Date \_\_\_\_\_ N/A

Signed B. Mun Maintenance Manager Date 12/26/01  
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 Georgia and employed by FACTORY MUTUAL INSURANCE COMPANY of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 10/22/01 to 1/8/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles G. Ward  
Inspector's Signature

Commissions GA 328 INA  
National Board, State, Province, and Endorsements

Date 1/8/02

Class MC



# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

		<b>Job Number</b> F15 - WA655280	<b>Sheet</b> 1 <b>of</b> 2																																																																																
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<b>4. Identification of System</b> Refueling Equipment																																																																																			
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<b>6. Identification of Components Repaired or Replaced and Replacement Components:</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 12.5%;">Name of Component</th> <th style="width: 12.5%;">Name of Manufacturer</th> <th style="width: 12.5%;">Manufacturer Serial Number</th> <th style="width: 12.5%;">National Board No.</th> <th style="width: 12.5%;">Other Identification</th> <th style="width: 12.5%;">Year Built</th> <th style="width: 12.5%;">Repaired, Replaced, or Replacement</th> <th style="width: 12.5%;">ASME Code Stamped (Yes / No)</th> </tr> </thead> <tbody> <tr> <td>Cap Screw (Bolt)</td> <td>Westinghouse</td> <td>UNKNOWN</td> <td>N/A</td> <td>P. O. FNP-2</td> <td>1972</td> <td>Replaced</td> <td>No</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>Cap Screw (Bolt)</td> <td>Nova Machine Products</td> <td>M98H1B-12</td> <td>N/A</td> <td>P. O. QP000601</td> <td>2000</td> <td>Replacement</td> <td>No</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes / No)	Cap Screw (Bolt)	Westinghouse	UNKNOWN	N/A	P. O. FNP-2	1972	Replaced	No									Cap Screw (Bolt)	Nova Machine Products	M98H1B-12	N/A	P. O. QP000601	2000	Replacement	No																																																
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<b>7. Description of Work</b> The blind flange was removed from the Fuel Transfer Tube Assembly (Q1F15K0003) for routine refueling activities. Prior to re-installation of the flange, ten (10) of the cap screws were discovered to be in need of replacement. Ten (10) new cap screws were installed when the blind flange was re-installed. Ref: MIF 01051546.																																																																																			
<b>8. Test Conducted</b> <input type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Normal Operating Pressure <input type="checkbox"/> None <input checked="" type="checkbox"/> Other (Appendix J) Pressure _____ PSI   Temperature _____ °F																																																																																			

# Form NIS-2 Owner's Report for Repairs or Replacements

As required by the provisions of the ASME Code Section XI

RType : L1.52

Job Number

F15 - WA655280

Sheet 2 of 2

## 9. Remarks (Applicable Manufacturer's Data Reports to be attached)

### Certificate of Compliance

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

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

Certificate of Authorization Number \_\_\_\_\_ N/A \_\_\_\_\_ Expiration Date \_\_\_\_\_ N/A

Signed B. Mon Maintenance Manager Date 12/17/01  
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 Georgia and employed by FACTORY MUTUAL INSURANCE COMPANY of Johnston, Rhode Island have inspected the components described in this Owner's Report during the period 10/27/01 to 12/21/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any 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 loss of any kind arising from or connected with this inspection.

Charles G. Ward  
Inspector's Signature

Commissions

GA 328

IN

National Board, State, Province, and Endorsements

Date 12/21/01

IWE/IWL