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August 17, 2000

Docket No.: 50-348

NEL-00-0203

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555-0001

Joseph M. Farley Nuclear Plant – Unit 1
Interval 3, Period 1, Outage 2
Inservice Inspection Report

Ladies and Gentlemen:

Pursuant to the requirements of 10 CFR 50.55a(g) and 10 CFR 50.36, Southern Nuclear Operating Company hereby submits the Farley Nuclear Plant (FNP) Interval 3, Period 1, Outage 2 Inservice Inspection Report. The report describes and summarizes the inservice inspection activities performed during the Unit 1 sixteenth refueling outage. These activities were completed May-21-2000. The Unit 1 steam generators were replaced during this outage; therefore no inservice steam generator eddy current testing was conducted.

Other pertinent report information is available at FNP for your review. This information includes, as applicable, examination plans and schedules, examination results and report, examination methods and procedures, evaluation results, and corrective action and repairs.

If there are any questions, please advise. This letter contains no NRC commitments.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Dave Morey".

Dave Morey

EWC/maf:unit190dayrep.doc

Enclosure:

FNP Interval 3, Period 1, Outage 2 Inservice Inspection Report

A047

Page 2

U. S. Nuclear Regulatory Commission

cc: Southern Nuclear Operating Company

Mr. L. M. Stinson, General Manager – Farley – w/o Enclosure

U. S. Nuclear Regulatory Commission, Washington, D. C.

Mr. L. M. Padovan, Licensing Project Manager – Farley – w/o Enclosure

U. S. Nuclear Regulatory Commission, Region II

Mr. L. A. Reyes, Regional Administrator – w/o Enclosure

Mr. T. P. Johnson, Senior Resident Inspector – Farley

INSERVICE INSPECTION REPORT

Date of Document Completion: August 1, 2000

REFUELING 16

INTERVAL 3

PERIOD 1

OUTAGE 2

**J. M. FARLEY UNIT 1
NUCLEAR GENERATING PLANT
COLUMBIA, ALABAMA 36319**

Commercial Service Date: December 1, 1977

**Southern Nuclear Operating
Company
40 Inverness Parkway
Birmingham, Alabama 35242**

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

1. Owner Southern Nuclear Operating Co. 40 Inverness Center Parkway,
Birmingham, Al 35242 (as agent for Alabama Power Co.)
(Name and Address of Owner)
2. Plant J. M. Farley Nuclear Plant, Hwy 95 South, Columbia, Al. 36319
(Name and Address of Plant)
3. Plant Unit 1 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service 12/01/77 6. National Board Number for Unit See Listed N. B.
for each component
7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel Closure Head	Combustion Engineering	69204	N/A	21012
Reactor Coolant Piping	Southwest Fabricating	N/A	N/A	N/A
RHR Heat Exchanger A	Joseph Oats & Sons, Inc.	2004-1	N/A	475
RHR Pump A	Ingersoll Rand Co.	4396-70-10	N/A	N/A
Class 2 Piping	Daniel Construction	N/A	N/A	N/A

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

FORM NIS-1

8. Examination Dates 03/04/00 to 05/21/00
9. Inspection Period Identification: First Period 12/01/97 to 04/01/01
10. Inspection Interval Identification: Third Interval 12/01/97 to 12/01/07
11. Applicable Edition of Section XI 1989 Addenda None
Subsections IWE and IWL 1992 Addenda 1992
12. Date/Revision of Inspection Plan: FNP-1-M-097; 01/15/00; Revision 1
13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. See Tabs B, C and E
14. Abstract of Results of Examinations and Tests. See Tab B
15. Abstract of Corrective Measures. See Tab B

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

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

Date 8/11 20 00 Signed Southern Nuclear Operating Co. By [Signature]
(Owner)

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 2/12/00 to 5/12/00 and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

[Signature] Commissions GA 328 IN
Inspector's Signature National Board, State, Province, and Endorsements

Date 8/11 2000

**OWNER'S REPORT
FOR
INSERVICE INSPECTION**

DATE: 08/01/00

OWNER NAME AND ADDRESS: Southern Nuclear Operating Co.
40 Inverness Parkway
Birmingham, Al 35242
(as agent for Alabama Power Co.)

**NAME AND ADDRESS OF
NUCLEAR GENERATING PLANT:** Joseph M. Farley Nuclear Plant
Highway 95 South
Columbia, Alabama 36319

**NAME ASSIGNED TO NUCLEAR
POWER UNIT:** Joseph M. Farley Nuclear Plant
Unit 1

**OWNER CERTIFICATE OF
AUTHORIZATION:** N/A

COMMERCIAL SERVICE DATE: December 1, 1977

NATIONAL BOARD NUMBER: See listed NB's for each component

**NAME OF COMPONENTS OR PARTS OF
COMPONENTS INVOLVED:** Representative samples of the following components
and systems were examined using nondestructive
examination techniques.

CLASS 1

COMPONENT OR SYSTEM	SYSTEM DESIGNATION	ALA SKETCH
Reactor Vessel Closure Head	B13	1-1300B
Reactor Coolant System	B13	1-4100, 1-4200, 1-4300

CLASS 2

COMPONENT OR SYSTEM	SYSTEM DESIGNATION	ALA SKETCH
RHR Hx. A	E11	2-3500
RHR Pump A	E11	2-5130
RHR System	E11	2-4501, 2-4502, 2-4504, 2-4505, 2-4514, 2-4517
Containment Spray System	E13	2-4702, 2-4706, 2-4707
Safety Injection System	E21	2-4509, 2-4510, 2-4523, 2-4526, 2-4528, 2-4531, 2-4534, 2-4536, 2-4537, 2-4538, 2-4539, 2-4614, 2-4630, 2-4631, 2-4632
Chemical and Volume Control System	E21	2-1110, 2-1120, 2-4600, 2-4601, 2-4604, 2-4608
Main Steam System	N11	2-4100, 2-4101, 2-4500
Feedwater System	N21	2-4150

HYDROSTATIC TESTING: SEE TABS B AND E

NAME AND ADDRESS OF MANUFACTURER OR INSTALLER OF COMPONENTS:

<u>REACTOR VESSEL AND REACTOR VESSEL CLOSURE HEAD</u> Combustion Engineering, Inc. Chattanooga, Tennessee	<u>REACTOR COOLANT PIPING</u> Southwest Fabricating and Welding Co., Inc. Houston, Texas
<u>RHR HEAT EXCHANGER</u> Joseph Oats & Co., Inc. Camden, New Jersey	<u>RHR PUMP</u> Ingersoll Rand Co. Phillipsburg, New Jersey
<u>CLASS 2 PIPING</u> Daniel Construction Co. Greenville, South Carolina	

INSERVICE INSPECTION DATES: 03/04/00 TO 05/21/00

NAME OF AUTHORIZED NUCLEAR INSPECTOR: Charles G. Ward

**NAME AND MAILING ADDRESS
OF INSPECTOR'S EMPLOYER:**

Factory Mutual Insurance Company
1301 Atwood Ave.
P. O. Box 7500
Johnston, RI. 02919

ABSTRACT: SEE TABS B AND C

**J. M. FARLEY NUCLEAR PLANT UNIT NO 1
INTERVAL 3 PERIOD 1 OUTAGE 2
BALANCE OF PLANT/REACTOR VESSEL EXAMINATION SUMMARY**

INTRODUCTION

An Inservice examination of Class 1 and 2 components and piping systems was conducted at Farley Nuclear Plant Unit 1 from March 2000 to May 2000. The examinations were performed in accordance with an approved Examination Program Plan located under Tab C of this report. The primary areas of examination included the Reactor Vessel, RCS Piping, RHR/CVCS Piping and supports, Containment Spray Piping and supports and Main Steam/Main Feedwater Piping and supports.

The program utilized ultrasonic, surface and visual nondestructive testing methods in accordance with the requirements of ASME Section XI 1989 Edition and Technical Specifications 5.5.7, 5.5.8 and 5.5.16.

Selected examinations and related activities were witnessed by representatives of Southern Nuclear Operating Company and its Authorized Inspection Agency. All examinations were performed to the extent practical within geometric and physical limitations.

RESULTS

Examinations resulted in recordable indication areas being noted on the basis of procedure recording criteria, which generally are more conservative than specified in the ASME Section XI Acceptance Standards. Indications were evaluated and dispositioned by Indication Evaluation Reports (IER), shown in Tab F of this report. The results are summarized below.

SUMMARY OF INDICATIONS

CLASS 1

(A) VOLUMETRIC EXAMINATIONS

- There were no Class 1 Volumetric indications.

(B) SURFACE EXAMINATIONS

- There were no Class 1 Surface indications.

(C) VISUAL EXAMINATIONS

- There were nine (9) valves and one (1) flow orifice noted with various degrees of boron accumulation, mainly on the bolted connection. In each case the boron was removed, new gaskets installed and a re-examination performed satisfactorily.

CLASS 2

(A) VOLUMETRIC EXAMINATIONS

- There were five (5) volumetric indications noted on the Main Steam system as geometric reflectors and evaluated as acceptable.
- Three (3) volumetric indications on the Main Steam system were categorized as spot indications and evaluated as sub-surface with no thruwall dimension and Code acceptable.

(B) SURFACE EXAMINATIONS

- An indication was noted on the RHR Hx. A nozzle reinforcement weld. The indication was evaluated as Code acceptable.
- A rounded indication was noted on a valve to elbow weld in the Safety Injection system. The indication was evaluated as Code acceptable.

(C) VISUAL EXAMINATIONS

- There were thirty-four (34) Class 2 bolted connections noted with various degrees of boron accumulation. The items consisted of valve bonnets and flanged connections for equipment. In each case the boron was removed, an evaluation performed or new gaskets installed and a re-examination performed satisfactorily.

AUGMENTED EXAMINATIONS

- There were no augmented examinations on Reactor Coolant Pump Flywheels performed.

ADDITIONAL EXAMINATIONS

Results from additional examinations which were performed during this outage are as follows:

- **Class 1 System Leakage Test**

In accordance with ASME Section XI 1989 Edition IWB-5210(a)(1), leak testing of the Class 1 Reactor Coolant System Pressure Boundary was performed prior to startup following the 16th refueling outage. The testing was completed by plant personnel on 05/21/00. A copy of the completed test procedure FNP-1-SOP-1.4 (OTC 05/20/00 19:34:44) is retained by the Farley Nuclear Plant Document Control. The VT-2 data sheets are located behind Tab D.

In addition, to meet the 1989 Section XI IWA-5242(a) requirement for removal of insulation from bolted connections in "systems borated for the purpose of controlling reactivity" the alternative exam requirements of Relief Request RR-27 were used. This Relief Request allowed the insulation to be removed and the bolted connection to be examined for evidence of leakage at static conditions. If evidence of leakage affecting the bolting was apparent the bolting was removed and examined per IWA-5250(2). IER-008 under Tab F contains the results of the evaluations, for ASME Class 1 bolted connections indicating evidence of boric acid. Examination data is located behind Tab 1.7.

- **Class 1 and 2 Hydrotesting**

No hydrostatic testing was performed during the 16th refueling outage to meet requirements of the current inspection interval.

- **Class 2 Functional/Inservice Testing**

Class 2 functional testing performed during the 16th refueling outage included portions of the Main Steam, Main Feedwater, Safety Injection and Charging systems.

STATUS OF EXAMINATIONS REQUIRED FOR CURRENT INTERVAL

This refueling was the 2nd outage, 1st period of the current interval and the examinations completed to date represent 100 % of the total Class 1 and 2 scope for the current period. Approximately 33 % of the examinations required for the current interval have been completed.

EXAMINATION PROGRAM PLAN

UNIT 1 RF 16

INTERVAL 3 PERIOD 1 OUTAGE 2

2000

UNIT 1

FIGURE 2

FARLEY NUCLEAR PLANT INSERVICE INSPECTION PROGRAM CHANGE

Unit No. 1 Change No. 001 Page 1 of 2
 10 Year Interval 3 40 Month Period 1 Outage 2

BOP ISI Description of Change:

Added Components:

ALA1-4304-7
 ALA2-4101-9
 ALA2-4101-1L1
 ALA2-4101-38
 ALA2-4101-38L1
 ALA2-4101-12BC
 ALA2-4500-9
 ALA2-4500-44

Deleted Components

ALA1-3100-IR1
 ALA1-3100-IR2
 ALA1-3200-1
 ALA1-4100-4DM
 ALA1-4100-5DM
 ALA2-3100-4
 ALA2-3100-5
 ALA2-4150-22
 ALA2-4350-24

Change Examinations

ALA2-4501-29 to ALA2-4501-28
 ALA2-4502-19 to ALA2-4502-16
 ALA2-4502-31 to ALA2-4502-12
 ALA2-4502-8 to ALA2-4502-10
 ALA2-4528-16 to ALA2-4502-19
 ALA2-4534-13 to ALA2-4534-5
 ALA2-4535-30 to ALA2-4535-6
 ALA2-4630-2 to ALA2-4630-3
 ALA2-4632-14 to ALA2-4632-13
 ALA2-4633-1 to ALA2-4633-3

Added Examinations:

Volumetric and Surface
 Volumetric-AUG
 Volumetric-AUG
 Volumetric-AUG
 Volumetric-AUG
 SURFACE-AUG
 Volumetric-AUG
 Volumetric-AUG

Deleted Examinations

Visual
 Visual
 Volumetric
 Volumetric and Surface
 Volumetric and Surface
 Volumetric
 Volumetric
 Volumetric-AUG
 Volumetric-AUG

Reason For Change:

Commitment per 97-19-1
 AUGMENTED EXAMINATION
 AUGMENTED EXAMINATION
 AUGMENTED EXAMINATION
 AUGMENTED EXAMINATION
 AUGMENTED EXAMINATION
 AUGMENTED EXAMINATION

Reason for Change

Steam generator to be replaced this outage
 Steam generator to be replaced this outage
 Steam generator to be replaced this outage
 Steam generator to be replaced this outage
 Steam generator to be replaced this outage
 Steam generator to be replaced this outage
 Steam generator to be replaced this outage
 Weld to be replaced this outage
 Weld to be replaced this outage

Description of Change

Class 2 weld substitution (1st time examine)
 Class 2 weld substitution (1st time examine)
 Class 2 weld substitution (1st time examine)
 Class 2 weld substitution (1st time examine)
 Class 2 weld substitution (1st time examine)
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 Class 2 weld substitution (1st time examine)
 Class 2 weld substitution (1st time examine)

APPROVED BY: See page 2 _____
 Vendor Coordinator Date

APPROVED BY: See page 2 _____
 SNC Coordinator Date

UNIT 1

FIGURE 2

FARLEY NUCLEAR PLANT INSERVICE INSPECTION PROGRAM CHANGE

Unit No. 1 Change No. 001 Page 2 of 2
 10 Year Interval 3 40 Month Period 1 Outage 2

DEFER EXAMINATIONS

ALA2-4600-6	Volumetric and Surface	Defer to 2 nd period / access restrictions to tunnel
ALA2-4600-7	Volumetric and Surface	Defer to 2 nd period / access restrictions to tunnel
ALA2-4600-10	Volumetric and Surface	Defer to 2 nd period / access restrictions to tunnel
ALA2-4600-14	Volumetric and Surface	Defer to 2 nd period / not accessible /select different weld
ALA2-4600-15	Volumetric and Surface	Defer to 2 nd period / not accessible /select different weld

Change procedure number

ALA1-5100-FW1	FNP-0-NDE-100.37
FNP-0-NDE-100.31	
ALA1-5300-FW1	FNP-0-NDE-100.37
FNP-0-NDE-100.31	
ALA1-1300-S01 to S19	FNP-0-NDE-100.39
FNP-0-NDE-100.31	

APPROVED BY: _____

Vendor Coordinator

Date

3-8-00

APPROVED BY: _____

SNC Coordinator

Date

3-8-2000

UNIT 1

FIGURE 2

FARLEY NUCLEAR PLANT INSERVICE INSPECTION PROGRAM CHANGE

Unit No. 1 Change No. 002 Page 1 of 1
 10 Year Interval 3 40 Month Period 1 Outage 2

Components:

ALA2-4101-11BC

Change Examination Requirement:

Volumetric-AUG (delete Surface-AUG) Cal. Block ALA-23

Reason For Change:

The main steam lines will be inspected in accordance with Improved Technical Specification 5.5.16. Requires a volumetric examination

Same as above

ALA2-4101-12BC

Volumetric-AUG (delete Surface-AUG) Cal. Block ALA-23

Same as above

ALA2-4101-13BC

Volumetric-AUG (delete Surface-AUG) Cal. Block ALA-23

Same as above

ALA2-4101-14BC

Volumetric-AUG (delete Surface-AUG) Cal. Block ALA-23

Same as above

ALA2-4101-15BC

Volumetric-AUG (delete Surface-AUG) Cal. Block ALA-23

MT examination would be limited due to configuration, PT provides code coverage.

ALA2-4150-27

Change procedure from MT to PT FNP-0-NDE-100.5

Add examination

ALA2-4500-11L2

Volumetric-AUG

Plan shows only one long. Seam. Elbow has long seam on intradose and extradose.

Change hanger description

ALA2-4702-CS-R294

CHANGE TO:

Hydraulic snubber

ALA2-4702-CS-R294 and ALA2-4702-CS-R293 have been combined into one drawing. ALA2-4702-CS-R294 is the hydraulic snubber.

Change Examinations

ALA2-1110-4 to ALA2-1110-3

Volumetric

Substitution, access limited due to hanger this weld previously examined during 2-1-2 outage.

Editorial changes

ALA1-1300-S19

Examinations required

Volumetric and surface

ALA2-4528-16 to ALA2-4528-19

Was listed as ALA2-4502-19

Reason

Add volumetric/ UT procedure listed
Incorrect sketch listed.

APPROVED BY:

John W. Bell
Vendor Coordinator

3-10-00

Date

APPROVED BY:

J. E. O'Keefe
SNC Coordinator

3-10-00

Date

UNIT 1

FIGURE 2

FARLEY NUCLEAR PLANT INSERVICE INSPECTION PROGRAM CHANGE

Unit No. 1 Change No. 003 Page 1 of 1
 10 Year Interval 3 40 Month Period 1 Outage 2

Components:**Delete Examination**

ALA2-4101-38

Volumetric

Reason For Change:

Per walkdown, this weld does not exist,
 elbow to pipe (header)(no pipe to pipe
 section)

ALA2-4101-38LI

Volumetric

Per walkdown, this longseam does not exist.

ALA2-4625-SI-R33

Visual

Snubber was removed per snubber reduction,
 no longer exists in field.

Add Examination

ALA2-4101-12BC

Surface and Volumetric-AUG

Surface exam selected for code credit.

Change Examinations

ALA2-4528-19 to ALA2-4528-17 Volumetric and Surface

Weld substitution / due to access / first time
 selected for examination.

ALA2-4101-21BC

Volumetric-AUG (delete Surface-
 AUG) Cal. Block ALA-23 & ALA-26

The main steam lines will be inspected in
 accordance with Improved Technical
 Specification 5.5.16.

ALA2-4101-26BC

Volumetric-AUG (delete Surface-
 AUG) Cal. Block ALA-23 & ALA-27

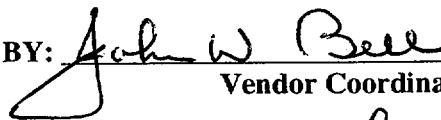
The main steam lines will be inspected in
 accordance with Improved Technical
 Specification 5.5.16.

ALA2-4500-24BC

Volumetric-AUG (delete Surface-
 AUG) Cal. Block ALA-24 & ALA-26

The main steam lines will be inspected in
 accordance with Improved Technical
 Specification 5.5.16.

APPROVED BY:



Vendor Coordinator

3-16-2000

Date

APPROVED BY:



SNC Coordinator

3-16-2000

Date

UNIT 1

FIGURE 2

FARLEY NUCLEAR PLANT INSERVICE INSPECTION PROGRAM CHANGE

Unit No. 1 Change No. 004 Page 1 of 1
 10 Year Interval 3 40 Month Period 1 Outage 2

Components:**Add Examination**

1. ALA2-4101-2L2 Volumetric-AUG.

2. ALA2-4101-4L2 Volumetric-AUG.

Add Calibration Block

3. ALA2-4101-5 ALA-24

Delete Calibration block

4. ALA2-4500-24BC ALA-26

Change Examinations

5. ALA2-4101-28 **Exam Required**
 Volumetric-AUG
 Delete MT

6. ALA2-4101-29 Add Volumetric and surface (Code)

Change Calibration block

7. ALA2-4502-3 **New Block**
 ALA-12 (12")
 8. ALA2-4502-9 ALA-49 (14")
 9. ALA2-4502-10 ALA-49 (14")

Editorial

10 Page 13, select UT instead of PT
 for ALA2-4101-26BC

Reason For Change:

During the ISI examination, an additional long seam was discovered. This long seam is on the introdose of the elbow.

During the ISI examination, an additional long seam was discovered. This long seam is on the introdose of the elbow.

Two calibration blocks are needed. (ALA-23 was for the header side of weld)

Due to Branch connection configuration, a saddle type with access from both sides, only one calibration block is needed. ALA-26 (8") provides no coverage.

Support assembly for MS-R133 restricts MT access for 6" of the weld. Vol-AUG required.

Substitution for code credit, for ALA2-4101-28.

Deleted Block

ALA-49 (14")
 ALA-12 (12")
 ALA-12 (12")

Reason

PC-003 changed the examination requirements, the table was not changed

APPROVED BY:

John W. Beel
 Vendor Coordinator

3/22/00
 Date

APPROVED BY:

Darryl A. Saffers
 SNC Coordinator

3-22-2000
 Date

UNIT 1

FIGURE 2

FARLEY NUCLEAR PLANT INSERVICE INSPECTION PROGRAM CHANGE

Unit No. 1 Change No. 005 Page 1 of 1
 10 Year Interval 3 40 Month Period 1 Outage 2

Components:**Reason For Change:****Change weld description**

1.	ALA2-4101-29 (page 13 in outage plan)	Elbow to Pipe, change to Elbow to Elbow	Actual configuration verified during ISI examination.
2.	ALA2-4101-30 (page 13 in outage plan)	Pipe to Pipe, change to Elbow to Pipe	Actual configuration verified during ISI examination.

Change/ Add Examinations**Exam Required**

3.	ALA2-4601-1 to ALA2-4604-5 (page 20 & 24 in outage plan)	Volumetric and Surface	Weld 1 is not accessible, weld 4604-5 substituted as a C-F-1 / C5.11
4.	Add weld ALA2-4604-4 (page 24 in outage plan)	Volumetric and Surface	Originally scheduled for 3-2-1 outage, examination scheduling to coincide with ALA2-4604-5
5.	ALA2-4535-3 to ALA2-4536-17 (page 19 & 24 in outage plan)	Surface	Weld substitution / due to access / first time selected for examination.
6.	ALA2-4535-6 to ALA2-4537-19 (page 19 & 24 in outage plan)	Surface	Weld substitution / due to access / first time selected for examination.
7.	ALA2-4632-13 to ALA2-4632-9 (page 21 & 24 in outage plan)	Volumetric and Surface	Weld substitution / due to access / first time selected for examination.
8.	ALA2-4633-3 TO ALA2-4632-6 (page 21 & 24 in outage plan)	Volumetric and Surface	Weld substitution / (WELD 4633-3 was a pipe to pipe weld, selected pipe to elbow weld / first time selected for examination.

APPROVED BY:

John W. Bell
Vendor Coordinator

3-25-00

Date

APPROVED BY:

J. E. O'Rock
SNC Coordinator

3-25-2000

Date

UNIT 1

FIGURE 2

FARLEY NUCLEAR PLANT INSERVICE INSPECTION PROGRAM CHANGE

Unit No. 1Change No. 006Page 1 of 110 Year Interval 340 Month Period 1Outage 2**Components:**

Add the following welds for PSI
/ Steam Generator
Replacement project
Add Examinations

Reason For Change:

1R16 – Replaced Steam Generators A / B /
C PSI required on replacement welds

		Exam Required	
1.	ALA1-4100-4R	Volumetric and Surface	PSI examination
2.	ALA1-4100-5R	Volumetric and Surface	PSI examination
3.	ALA2-4150-21R	Volumetric and Surface	PSI examination
4.	ALA2-4150-22R	Volumetric and Surface	PSI examination
5.	ALA1-4200-4R	Volumetric and Surface	PSI examination
6.	ALA1-4200-5R	Volumetric and Surface	PSI examination
7.	ALA2-4250-16R	Volumetric and Surface	PSI examination
8.	ALA2-4250-22R BC	Surface	PSI examination
9.	ALA1-4300-4R	Volumetric and Surface	PSI examination
10.	ALA1-4300-5R	Volumetric and Surface	PSI examination
11.	ALA2-4350-22R	Volumetric and Surface	PSI examination
12.	ALA2-4350-24R	Volumetric and Surface	PSI examination

APPROVED BY:

John W. Bell
Vendor Coordinator

4-7-00

Date

APPROVED BY:

John W. Bell
SNC Coordinator

4-7-00

Date

UNIT 1

FIGURE 2

FARLEY NUCLEAR PLANT INSERVICE INSPECTION PROGRAM CHANGE

Unit No. 1Change No. 007Page 1 of 110 Year Interval 340 Month Period 1Outage 2**Components:**

Change Calibration block

New Calibration block

Reason For Change:

1.	ALA2-4150-21R Elbow to reducer	ALA-25	ALA-51 is a 16" calibration block. ALA-25 is a 14" calibration block. This weld is on the 14" side of the reducer.
2.	ALA2-4350-22R Elbow to reducer	ALA-25	ALA-51 is a 16" calibration block. ALA-25 is a 14" calibration block. This weld is on the 14" side of the reducer.

 APPROVED BY: N/A
 Vendor Coordinator

N/A
 Date

 APPROVED BY: Samuel S. Hefner
 SNC Coordinator

4-22-00
 Date

UNIT 1

FIGURE 2

FARLEY NUCLEAR PLANT INSERVICE INSPECTION PROGRAM CHANGE

Unit No. 1 Change No. 008 Page 1 of 1
 10 Year Interval 3 40 Month Period 1 Outage 2

Components:
Change Examinations
Exam Required
Reason For Change:

1.	HEG-547-AFW-R508 to HEG-547-AFW-R516X	Visual-VT-3	AFW-R508 hanger is inaccessible due to SGRP activities covering trench covers
2.	HEG-547-AFW-R511 to HEG-547-AFW-R503	Visual-VT-3	AFW-R511 hanger is inaccessible due to SGRP activities covering trench covers

APPROVED BY:

N/A

Vendor Coordinator

Date

APPROVED BY:

J. E. G. [Signature]

SNC Coordinator

5-3-00

Date

UNIT 1

FIGURE 2

FARLEY NUCLEAR PLANT INSERVICE INSPECTION PROGRAM CHANGE

Unit No. 1 Change No. 009 Page 1 of 1
 10 Year Interval 3 40 Month Period 1 Outage 2

Components:

Reason For Change:

	Delete Examination	Exam Required	
1	ALA1-4101-QV001B	VT-3 / INTERNAL SURFACE	Valve not disassembled
2	ALA1-4101-QV016B	VT-3 / INTERNAL SURFACE	Valve not disassembled
3	ALA1-4102-QV032A	VT-3 / INTERNAL SURFACE	Valve not disassembled
4	ALA1-4102-QV037A	VT-3 / INTERNAL SURFACE	Valve not disassembled
5	ALA1-4103-QV076A	VT-3 / INTERNAL SURFACE	Valve not disassembled
6	ALA1-4104-QV021C	VT-3 / INTERNAL SURFACE	Valve not disassembled
7	ALA1-4104-QV051C	VT-3 / INTERNAL SURFACE	Valve not disassembled
8	ALA1-4201-QV032B	VT-3 / INTERNAL SURFACE	Valve not disassembled
9	ALA1-4201-QV037B	VT-3 / INTERNAL SURFACE	Valve not disassembled
10	ALA1-4202-QV051B	VT-3 / INTERNAL SURFACE	Valve not disassembled
11	ALA1-4203-QV021B	VT-3 / INTERNAL SURFACE	Valve not disassembled
12	ALA1-4204-QV076B	VT-3 / INTERNAL SURFACE	Valve not disassembled
13	ALA1-4204-QV077B	VT-3 / INTERNAL SURFACE	Valve not disassembled
14	ALA1-4301-QV001A	VT-3 / INTERNAL SURFACE	Valve not disassembled
15	ALA1-4302-QV032C	VT-3 / INTERNAL SURFACE	Valve not disassembled
16	ALA1-4302-QV037C	VT-3 / INTERNAL SURFACE	Valve not disassembled
17	ALA1-4303-QV021A	VT-3 / INTERNAL SURFACE	Valve not disassembled
18	ALA1-4304-QV051A	VT-3 / INTERNAL SURFACE	Valve not disassembled
19	ALA1-4305-QV077C	VT-3 / INTERNAL SURFACE	Valve not disassembled
20	ALA1-4501-QV031A	VT-3 / INTERNAL SURFACE	Valve not disassembled
21	ALA1-4502-QV031B	VT-3 / INTERNAL SURFACE	Valve not disassembled
22	ALA1-4503-QV031C	VT-3 / INTERNAL SURFACE	Valve not disassembled
23	ALA1-5100-FW1	Surface / Volumetric	Pump not disassembled / Exam area not accessible
24	ALA1-5300-FW1	Surface / Volumetric	Pump not disassembled / Exam area not accessible

	Change Weld number	New Weld Number	
1.	ALA2-4350-22R	ALA2-4350-23R	New weld number during SGRP, replaces old ISI weld number ALA2-4350-23

APPROVED BY: N/A
Vendor Coordinator

Date

APPROVED BY: [Signature]
SNC Coordinator

Date

5-7-00

**J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2**

FNP-1-M-097

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA1-1300-N01	B6.10	REACTOR VESSEL NUTS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-N02	B6.10	REACTOR VESSEL NUTS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-N03	B6.10	REACTOR VESSEL NUTS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-N04	B6.10	REACTOR VESSEL NUTS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-N05	B6.10	REACTOR VESSEL NUTS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-N06	B6.10	REACTOR VESSEL NUTS		○	○	●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-N07	B6.10	REACTOR VESSEL NUTS		○	○	●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-N08	B6.10	REACTOR VESSEL NUTS		○	○	●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-N09	B6.10	REACTOR VESSEL NUTS		○	○	●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-N10	B6.10	REACTOR VESSEL NUTS		○	○	●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-N11	B6.10	REACTOR VESSEL NUTS		○	○	●	(F)		FNP-0-NDE-100.21	
	B-G-1									

**J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2**

FNP-1-M-097

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA1-1300-N12	B6.10	REACTOR VESSEL NUTS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-N13	B6.10	REACTOR VESSEL NUTS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-N14	B6.10	REACTOR VESSEL NUTS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-N15	B6.10	REACTOR VESSEL NUTS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-N16	B6.10	REACTOR VESSEL NUTS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-N17	B6.10	REACTOR VESSEL NUTS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-N18	B6.10	REACTOR VESSEL NUTS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-N19	B6.10	REACTOR VESSEL NUTS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-S01	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●	○	(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1								FNP-0-NDE-100.31 39	
ALA1-1300-S02	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●	○	(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1								FNP-0-NDE-100.31 39	
ALA1-1300-S03	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●	○	(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1								FNP-0-NDE-100.31 39	

PC-01

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**J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2**

FNP-1-M-097

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA1-1300-S04	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●		(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1								FNP-0-NDE-100.21 39	
ALA1-1300-S05	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●		(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1								FNP-0-NDE-100.21 39	
ALA1-1300-S06	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●		(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1								FNP-0-NDE-100.21 39	
ALA1-1300-S07	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●		(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1								FNP-0-NDE-100.21 39	
ALA1-1300-S08	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●		(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1								FNP-0-NDE-100.21 39	
ALA1-1300-S09	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●		(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1								FNP-0-NDE-100.21 39	
ALA1-1300-S10	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●		(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1								FNP-0-NDE-100.21 39	
ALA1-1300-S11	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●		(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1								FNP-0-NDE-100.21 39	
ALA1-1300-S12	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●		(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1								FNP-0-NDE-100.21 39	
ALA1-1300-S13	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●		(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1								FNP-0-NDE-100.21 39	
ALA1-1300-S14	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●		(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1								FNP-0-NDE-100.21 39	

P. 01

**J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2**

FNP-1-M-097

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA1-1300-S15	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●		(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1						FNP-0-NDE-100.31 39			
ALA1-1300-S16	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●		(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1						FNP-0-NDE-100.31 39			
ALA1-1300-S17	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●		(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1						FNP-0-NDE-100.31 39			
ALA1-1300-S18	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●		(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1						FNP-0-NDE-100.31 39			
ALA1-1300-S19	B6.30	REACTOR VESSEL STUDS	ALA-36	●	●		(F)	016	FNP-0-NDE-100.11	N-307-1 OR PDI
	B-G-1						FNP-0-NDE-100.31 39			
ALA1-1300-W01	B6.50	REACTOR VESSEL WASHERS		○	○	●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-W02	B6.50	REACTOR VESSEL WASHERS		○	○	●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-W03	B6.50	REACTOR VESSEL WASHERS		○	○	●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-W04	B6.50	REACTOR VESSEL WASHERS		○	○	●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-W05	B6.50	REACTOR VESSEL WASHERS		○	○	●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-W06	B6.50	REACTOR VESSEL WASHERS		○	○	●	(F)		FNP-0-NDE-100.21	
	B-G-1									

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PC-02

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA1-1300-W07	B6.50	REACTOR VESSEL WASHERS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-W08	B6.50	REACTOR VESSEL WASHERS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-W09	B6.50	REACTOR VESSEL WASHERS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-W10	B6.50	REACTOR VESSEL WASHERS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-W11	B6.50	REACTOR VESSEL WASHERS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-W12	B6.50	REACTOR VESSEL WASHERS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-W13	B6.50	REACTOR VESSEL WASHERS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-W14	B6.50	REACTOR VESSEL WASHERS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-W15	B6.50	REACTOR VESSEL WASHERS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-W16	B6.50	REACTOR VESSEL WASHERS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-W17	B6.50	REACTOR VESSEL WASHERS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									

J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2

FNP-1-M-097

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA1-1300-W18	B6.50	REACTOR VESSEL WASHERS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-1300-W19	B6.50	REACTOR VESSEL WASHERS				●	(F)		FNP-0-NDE-100.21	
	B-G-1									
ALA1-3100-1R1	B3.140	SG HOT LEG NOZZLE INNER RADIUS				●		008	FNP-0-NDE-100.21	(VT IN LIEU OF UT)
	B-D									
ALA1-3100-1R2	B3.140	SG CROSS-OVER NOZ INNER RADIUS				●		008	FNP-0-NDE-100.21	(VT IN LIEU OF UT)
	B-D									
ALA1-3200-1	B2.40	SG CHANNEL HEAD TO TUBE SHEET	APR 6		●		(F)	001	FNP-0-NDE-100.31	1 of 3 reqd.
	B-B									
ALA1-4100-1DM	B5.10	R.V. NOZZLE TO SAFE END		●			(A)	012	FNP-0-NDE-100.5	
	B-F									
ALA1-4100-2	B9.11	SAFE-END TO PIPE		●			(A)	012	FNP-0-NDE-100.5	
	B-J									
ALA1-4100-4DM	B5.70	ELBOW TO S. G. NOZZLE	ALA/APR-33	●	●		(A)	012	FNP-0-NDE-100.5	
	B-F									
ALA1-4100-5DM	B5.70	S. G. NOZZLE TO ELBOW	ALA/APR-33	●	●		(A)	012	FNP-0-NDE-100.5	
	B-F									
ALA1-4101-QV001B	B12.50	COPEES VALVES				●		Internal Surface	FNP-0-NDE-100.23	Group 1. Inspect one per group if disassembled.
	B-M-2									
ALA1-4101-QV016B	B12.50	COPEES VALVES				●		Internal Surface	FNP-0-NDE-100.23	Group 1. Inspect one per group if disassembled.
	B-M-2									

PC-01

PC-01

PC-01

J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2

FNP-1-M-097

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA1-4102-QV032A	B12.50	COPES VALVES				●		Internal Surface	FNP-0-NDE-100.23	Group 5. Inspect one per group if disassembled.
	B-M-2									
ALA1-4102-QV037A	B12.50	COPES VALVES				●		Internal Surface	FNP-0-NDE-100.23	Group 5. Inspect one per group if disassembled.
	B-M-2									
ALA1-4103-QV076A	B12.50	VELAN VALVE				●		Internal Surface	FNP-0-NDE-100.23	Group 2. Inspect one per group if disassembled.
	B-M-2									
ALA1-4104-QV021C	B12.50	VELAN VALVE				●	(A)	Internal Surface	FNP-0-NDE-100.23	Group 2. Inspect one per group if disassembled.
	B-M-2									
ALA1-4104-QV051C	B12.50	VELAN VALVE				●	(A)	Internal Surface	FNP-0-NDE-100.23	Group 1. Inspect one per group if disassembled.
	B-M-2									
ALA1-4200-1DM	B5.10	RV NOZZLE TO SAFE END		●	○	○	(A)	012	FNP-0-100.5	
	B-F									
ALA1-4200-2	B9.11	SAFE-END TO PIPE		●	○	○	(A)	012	FNP-0-100.5	
	B-J									
ALA1-4201-QV032B	B12.50	COPES VALVES				●		Internal Surface	FNP-0-NDE-100.23	Group 5. Inspect one per group if disassembled.
	B-M-2									
ALA1-4201-QV037B	B12.50	COPES VALVE				●		Internal Surface	FNP-0-NDE-100.23	Group 5. Inspect one per group if disassembled.
	B-M-2									
ALA1-4202-QV051B	B12.50	VELAN VALVE				●	(A)	Internal Surface	FNP-0-100.23	Group 2. Inspect one per group if disassembled.
	B-M-2									
ALA1-4203-QV021B	B12.50	VELAN VALVE				●	(A)	Internal Surface	FNP-0-NDE-100.23	Group 2. Inspect one per group if disassembled.
	B-M-2									

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PC-09

J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2

FNP-1-M-097

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA1-4204-QV076B	B12.50	VELAN VALVE				●	(A)	Internal Surface	FNP-0-NDE-100.23	Group 3. Inspect one per group if disassembled.
	B-M-2									
ALA1-4204-QV077B	B12.50	VELAN VALVE				●	(A)	Internal Surface	FNP-0-NDE-100.23	Group 3. Inspect one per group if disassembled.
	B-M-2									
ALA1-4300-1DM	B5.10	RV NOZZLE TO SAFE END		●			(A)	012	FNP-0-NDE-100.5	
	B-F									
ALA1-4300-2	B9.11	SAFE-END TO PIPE		●			(A)	012	FNP-0-NDE-100.5	
	B-J									
ALA1-4301-QV001A	B12.50	COPEES VALVES				●		Internal Surface	FNP-0-NDE-100.23	Group 1. Inspect one per group if disassembled.
	B-M-2									
ALA1-4301-QV016A	B12.50	COPEES VALVES				●		Internal Surface	FNP-0-NDE-100.23	Group 1. Inspect one per group if disassembled.
	B-M-2									
ALA1-4302-QV032C	B12.50	COPEES VALVES				●		Internal Surface	FNP-0-NDE-100.23	Group 5. Inspect one per group if disassembled.
	B-M-2									
ALA1-4302-QV037C	B12.50	COPEES VALVES				●		Internal Surface	FNP-0-NDE-100.23	Group 5. Inspect one per group if disassembled.
	B-M-2									
ALA1-4303-QV021A	B12.50	VELAN VALVE				●		Internal Surface	FNP-0-NDE-100.23	Group 2. Inspect one per group if disassembled.
	B-M-2									
ALA1-4304-QV051A	B12.50	VELAN VALVE				●		Internal Surface	FNP-0-NDE-100.23	Group 2. Inspect one per group if disassembled.
	B-M-2									
ALA1-4305-QV077C	B12.50	VELAN VALVE				●		Internal Surface	FNP-0-NDE-100.23	Group 3. Inspect one per group if disassembled.
	B-M-2									

PC-09

PC-09

J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2

FNP-1-M-097

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA1-4501-QV031A	B12.50	CROSBY VALVE				●		Internal Surface	FNP-0-NDE-100.23	Group 4. Inspect one per group if disassembled.
	B-M-2									
ALA1-4502-QV031B	B12.50	CROSBY VALVE				●		Internal Surface	FNP-0-NDE-100.23	Group 4. Inspect one per group if disassembled.
	B-M-2									
ALA1-4503-QV031C	B12.50	CROSBY VALVE				●		Internal Surface	FNP-0-NDE-100.23	Group 4. Inspect one per group if disassembled.
	B-M-2									
ALA1-5100-FW1	B1.14	RC PUMP FLYWHEEL		●	●				FNP-0-NDE-100.5	REG GUIDE 1.14 (Aug.)
	R-G/AUG								FNP-0-NDE-100.31 37	
ALA1-5300-FW1	B1.14	RC PUMP FLYWHEEL		●	●				FNP-0-NDE-100.5	REG GUIDE 1.14 (Aug.)
	R-G/AUG								FNP-0-NDE-100.31 37	
ALA2-1110-13	C5.11	LTD DEL TANK HEAD TO SHELL TO HEAD	ALA-18	○	●	○	(A)	030	FNP-0-NDE-100.31	
	C-F-1									
ALA2-1110-CS-6 (W4)	C3.20	WELDED ATTACHMENT		●	○	○	(A)	028	FNP-0-NDE-100.5	
	C-C									
ALA2-1120-CS-2 (W4)	C3.20	WELDED ATTACHMENT		●	○	○	(A)	028	FNP-0-NDE-100.5	
	C-C									
ALA2-1120-CVCS-H662	F1.20	EXCESS LETDOWN DELAY TANKS		○	○	●		037	FNP-0-NDE-100.23	
	F-A									
ALA2-3100-4	C1.10	SG-A TRANS CONE TO LOWER SHELL	APR-5	○	●	○	(F)	023	FNP-0-NDE-100.31	
	C-A									
ALA2-3100-5	C1.10	SG-A UPPER SHELL TO TRANS CONE	APR-5	○	●	○	(F)	023	FNP-0-NDE-100.31	
	C-A									

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**J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2**

FNP-1-M-097

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA2-3500-1	C1.10	RESID HX A FLANGE TO SHELL	ALA-32		●		(A)	023	FNP-0-NDE-100.31	
	C-A									
ALA2-3500-2	C1.20	RESID HX A SHELL TO HEAD	ALA-32		●		(A)	023	FNP-0-NDE-100.31	
	C-A									
ALA2-3500-3	C2.31	RESID HX A IN NOZZ REINF WELD		●				027	FNP-0-NDE-100.5	EXAMINE ID AND OD OF COLLAR
	C-B									
ALA2-3500-4	C2.31	RESID HX A OUT NOZ REINF WELD		●				027	FNP-0-NDE-100.5	EXAMINE ID AND OD OF COLLAR
	C-B									
ALA2-4100-MS3-R4	F1.20	ONE DIRECTIONAL RESTRAINT W/ATTACH				●		037	FNP-0-NDE-100.23	EXAMINE PER OR1-97-216.
	F-A									
ALA2-4101-1	C5.51	PENETRATION TO PIPE	ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-2	C5.51	PIPE TO ELBOW	ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-2L1	C5.52	ELBOW LONG SEAM	ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-3	C5.51	ELBOW TO PIPE	ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-3L1	C5.52	PIPE LONG SEAM	ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-4	C5.51	PIPE TO ELBOW	ALA-24	●	●		(F)	036	FNP-0-NDE-100.11 FNP-0-NDE-100.31	100% of length using 1974 Code (AUG/CODE)
	C-F-2									

**J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2**

FNP-1-M-097

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA2-4101-4L1	C5.52	ELBOW LONG SEAM	ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-5	C5.51	ELBOW TO PIPE	ALA-23 ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-5L1	C5.52	PIPE LONG SEAM	ALA-23		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-7	C5.51	PIPE TO PIPE	ALA-23		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-7L1	C5.52	PIPE LONG SEAM	ALA-23		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-8	C5.51	PIPE TO VALVE	ALA-23		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-9L1	C5.52	PIPE LONG SEAM	ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-10	C5.51	PIPE TO VALVE	ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-11BC	C5.81	BRANCH CONNECTION	ALA-23	✗	●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2			○						
ALA2-4101-13BC	C5.81	BRANCH CONNECTION	ALA - 23	✗	●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2			○						
ALA2-4101-14BC	C5.81	BRANCH CONNECTION	ALA - 23	✗	●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2			○						

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**J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2**

FNP-1-M-097

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA2-4101-15BC	C5.81	BRANCH CONNECTION	ALA - 23	X	●		(F)	036	FNP-0-NDE-100.11 31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-16	C5.51	PIPE TO FLANGE	ALA-30	●	●		(F)	036	FNP-0-NDE-100.11 FNP-0-NDE-100.31	100% of length using 1974 Code (AUG/CODE)
	C-F-2									
ALA2-4101-17	C5.51	PIPE TO FLANGE	ALA-30		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-18	C5.51	PIPE TO FLANGE	ALA-30		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-19	C5.51	PIPE TO FLANGE	ALA-30		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-20	C5.51	PIPE TO FLANGE	ALA-30		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-21BC	C5.81	BRANCH CONNECTION	ALA - 23 ALA-26	X	●		(F)	036	FNP-0-NDE-100.11 31	100% of length using 1974 Code (AUG) VOL - AUG
	C-F-2									
ALA2-4101-22	C5.51	PIPE TO TEE	ALA-26		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-23	C5.51	PIPE TO CAP	ALA-26		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-24	C5.51	TEE TO PIPE	ALA-26	●	●		(F)	036	FNP-0-NDE-100.11 FNP-0-NDE-100.31	100% of length using 1974 Code (AUG/CODE)
	C-F-2									
ALA2-4101-25	C5.51	TEE TO CAP	ALA-26		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									

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**J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2**

FNP-1-M-097

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA2-4101-26BC	C5.81	BRANCH CONNECTION	ALA -23 ALA-27	X	●		(F)	036	FNP-0-NDE-100.11 31	100% of length using 1974 Code (AUG) VOL-AUG
	C-F-2									
ALA2-4101-28	C5.51	PIPE TO ELBOW	ALA-27	X	●		(F)	036	FNP-0-NDE-100.11 FNP-0-NDE-100.31	100% of length using 1974 Code (AUG/CODE) VOL-AUG
	C-F-2									
ALA2-4101-29	C5.51	ELBOW TO PIPE ELBOW	ALA-27	●	●		(F)	036	FNP-0-NDE-100.31 FNP-0-NDE-100.11	100% of length using 1974 Code (AUG/CODE)
	C-F-2									
ALA2-4101-30	C5.51	PIPE TO PIPE ELBOW	ALA-27	●	●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-31	C5.51	PIPE TO VALVE	ALA-27	●	●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-32	C5.51	VALVE TO PIPE	ALA-27	●	●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-33	C5.51	PIPE TO ELBOW	ALA-27	●	●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-34	C5.51	ELBOW TO PIPE	ALA-27	●	●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-35	C5.51	PIPE TO VALVE	ALA-27	●	●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-36	C5.51	VALVE TO PIPE	ALA-27	●	●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-37	C5.51	PIPE TO VALVE	ALA-27	●	●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									

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J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2

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Component No.	(89) Item No. (89) Code Cat.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	Sur			Vol	Vis					
ALA2-4150-2	C5.51	REDUCER TO TEE	ALA-28	●	●		(F)	030	FNP-0-NDE-100.11 FNP-0-NDE-100.31	
	C-F-2									
ALA2-4150-22	C5.51	REDUCER TO NOZZLE	ALA-25		●		(F)	030	FNP-0-NDE-100.31	I.N. 93-20 (Aug.)
ALA2-4150-27	C5.51	PIPE TO REDUCER	ALA-26	●	●		(F)	030	FNP-0-NDE-100.11 ⁰⁵ FNP-0-NDE-100.31	
	C-F-2									
ALA2-4150-FW-R50	F1.20	ONE DIRECTIONAL RESTRAINT				●		037	FNP-0-NDE-100.23	FW-H49.
	F-A									
ALA2-4350-24	C5.51	REDUCER TO NOZZLE	ALA-25		●		(F)	030	FNP-0-NDE-100.31	I.N. 93-20
ALA2-4500-1	-	CAP TO TEE	ALA-24 APR-4		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	-									
ALA2-4500-1L1	-	TEE LONG SEAM	APR-4		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	-									
ALA2-4500-2	-	TEE TO PIPE	ALA-24 APR-4		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	-									
ALA2-4500-2L1	-	PIPE LONG SEAM	ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	-									
ALA2-4500-3	-	PIPE TO TEE	ALA-24 APR-4		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	-									
ALA2-4500-3L1	-	TEE LONG SEAM	APR-4		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	-									

**J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2**

FNP-1-M-097

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA2-4500-9L1	-	PIPE LONG SEAM	ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	-									
ALA2-4500-10	-	PIPE TO PIPE	ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	-									
ALA2-4500-10L1	-	PIPE LONG SEAM	ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	-									
ALA2-4500-11	-	PIPE TO ELBOW	ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	-									
ALA2-4500-11L1	-	ELBOW LONG SEAM	ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	-									
ALA2-4500-12	-	ELBOW TO PIPE	ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	-									
ALA2-4500-12L1	-	PIPE LONG SEAM	ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	-									
ALA2-4500-13	-	PIPE TO TEE	ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	-									
ALA2-4500-24BC	-	BRANCH CONNECTION TO PIPE	ALA-24		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	-		ALA-26							
ALA2-4500-25	-	PIPE TO PIPE	ALA-26		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	-									
ALA2-4500-26	-	PIPE TO TEE	ALA-26		●		(F)	036	FNP-0-NDE-100.31	100% of length using 1974 Code (AUG)
	-									

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**J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2**

FNP-1-M-097

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA2-4510-CVC-R225	F1.20	3 DIRECTIONAL RESTRAINT W/ATTACH				●		037	FNP-0-NDE-100.23	
	F-A									
ALA2-4510-CVC-R225 (W8)	C3.20	WELDED ATTACHMENT		●	○	○	(A)	028	FNP-0-NDE-100.5	
	C-C									
ALA2-4510-CVC-R230	F1.20	TWO DIRECTIONAL RESTRAINT			○	●		037	FNP-0-NDE-100.23	
	F-A									
ALA2-4510-CVC-R231	F1.20	SWAY STRUT			○	●		037	FNP-0-NDE-100.23	
	F-A									
ALA2-4514-SI-R86	F1.20	ONE DIRECTIONAL RESTRAINT			○	●		037	FNP-0-NDE-100.23	
	F-A									
ALA2-4514-SI-R88	F1.20	SWAY STRUT		○	○	●		037	FNP-0-NDE-100.23	
	F-A									
ALA2-4517-RHR8-R51	F1.20	TWO DIRECTIONAL RESTRAINT		○	○	●		037	FNP-0-NDE-100.23	
	F-A									
ALA2-4523-1	C5.21	FLANGE TO REDUCER	ALA-7	●	●	○	(A)	030	FNP-0-NDE-100.5 FNP-0-NDE-100.31	
	C-F-1									
ALA2-4523-5	C5.21	ELBOW TO VALVE	APR-2	●	●	○	(A)	030	FNP-0-NDE-100.5 FNP-0-NDE-100.31	
	C-F-1									
ALA2-4526-3BC	C5.41	BRANCH CONNECTION		●	○	○	(A)	032	FNP-0-NDE-100.5	
	C-F-1									
ALA2-4528- 18 <u>19</u> <u>17</u>	C5.21	FLANGE TO VALVE tee to pipe Value to pipe	ALA-7	●	●	○	(A)	030	FNP-0-NDE-100.5 FNP-0-NDE-100.31	
	C-F-1									

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**J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2**

FNP-1-M-097

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA2-4528-CVC-A14	F1.20	ANCHOR				●		037	FNP-0-NDE-100.23	
	F-A									
ALA2-4531-8	C5.21	PIPE TO TEE	ALA-7	●	●		(A)	030	FNP-0-NDE-100.5 FNP-0-NDE-100.31	
	C-F-1									
ALA2-4534-1	C5.30	BRANCH CONNECTION TO PIPE	-	●			(A)	030	FNP-0-NDE-100.5	
	C-F-1									
ALA2-4534-18 5	C5.30	ELBOW TO PIPE Elbow to Pipe	-	●			(A)	030	FNP-0-NDE-100.5	
	C-F-1									
ALA2-4535-3	C5.30	TEE TO PIPE	-	●			(A)	030	FNP-0-NDE-100.5	
	C-F-1									
ALA2-4535-30 6	C5.30	PIPE TO VALVE Pipe to Elbow	-	●			(A)	030	FNP-0-NDE-100.5	
	C-F-1									
ALA2-4536-3	C5.30	VALVE TO PIPE	-	●			(A)	030	FNP-0-NDE-100.5	
	C-F-1									
ALA2-4537-18	C5.30	PIPE TO ELBOW	-	●			(A)	030	FNP-0-NDE-100.5	
	C-F-1									
ALA2-4537-CVC-R611	F1.20	ONE DIRECTIONAL RESTRAINT				●		037	FNP-0-NDE-100.23	
	F-A									
ALA2-4538-3	C5.30	VALVE TO PIPE	-	●			(A)	030	FNP-0-NDE-100.5	
	C-F-1									
ALA2-4539-5	C5.30	VALVE TO PIPE	-	●			(A)	030	FNP-0-NDE-100.5	
	C-F-1									

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J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2

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Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA2-4600-1	C5.11	FLANGE TO PIPE	ALA-50	●	●		(A)	030	FNP-0-NDE-100.5 FNP-0-NDE-100.31	PC-01
	C-F-1									
ALA2-4600-6	C5.11	ELBOW TO PIPE	ALA-50	●	●		(A)	030	FNP-0-NDE-100.5 FNP-0-NDE-100.31	
	C-F-1									
ALA2-4600-7	C5.11	PIPE TO ELBOW	ALA-50	●	●		(A)	030	FNP-0-NDE-100.5 FNP-0-NDE-100.31	
	C-F-1									
ALA2-4600-10	C5.11	ELBOW TO PIPE	ALA-50	●	●		(A)	030	FNP-0-NDE-100.5 FNP-0-NDE-100.31	
	C-F-1									
ALA2-4600-14	C5.11	ELBOW TO PIPE	ALA-50	●	●		(A)	030	FNP-0-NDE-100.5 FNP-0-NDE-100.31	
	C-F-1									
ALA2-4600-15	C5.11	PIPE TO ELBOW	ALA-50	●	●		(A)	030	FNP-0-NDE-100.5 FNP-0-NDE-100.31	
	C-F-1									
ALA2-4601-1	C5.11	ELBOW TO PIPE	ALA-50	●	●		(A)	030	FNP-0-NDE-100.5 FNP-0-NDE-100.31	
	C-F-1									
ALA2-4601-11	C5.11	PIPE TO ELBOW	ALA-50	●	●		(A)	030	FNP-0-NDE-100.5 FNP-0-NDE-100.31	PC-05
	C-F-1									
ALA2-4601-12	C5.11	ELBOW TO PIPE	ALA-50	●	●		(A)	030	FNP-0-NDE-100.5 FNP-0-NDE-100.31	
	C-F-1									
ALA2-4601-13	C5.11	PIPE TO ELBOW	ALA-50	●	●		(A)	030	FNP-0-NDE-100.5 FNP-0-NDE-100.31	
	C-F-1									
ALA2-4601-14	C5.11	ELBOW TO PIPE	ALA-50	●	●		(A)	030	FNP-0-NDE-100.5 FNP-0-NDE-100.31	
	C-F-1									

**J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2**

FNP-1-M-097

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA2-4608-SI-A17	F1.20	ANCHOR				●		037	FNP-0-NDE-100.23	Deleted PC-01 PC-03

PC-01 PC-03

PC-01 PC-05

**J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2**

FNP-1-M-097

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA2-4707-CS-R142	F1.20	HYDRAULIC SNUBBER (2) W/ATTACH				●		037	FNP-0-NDE-100.23	
	F-A									
ALA2-4707-CS-R142 (WS)	C3.20	WELDED ATTACHMENT		●	○	○	(A)	028	FNP-0-NDE-100.5	
	C-C									
ALA2-4707-CS1-R20	F1.20	SWAY STRUT			○	●		037	FNP-0-NDE-100.23	
	F-A									
ALA2-5130-CS-1	F1.40	RHR PUMP (A) Q1E11P001A			○	●		037	FNP-0-NDE-100.23	
	F-A									
ALA2-5130-CS-2	F1.40	RHR PUMP (A) Q1E11P001A			○	●		037	FNP-0-NDE-100.23	
	F-A									
ALA2-5130-CS-3	F1.40	RHR PUMP (A) Q1E11P001A		○	○	●		037	FNP-0-NDE-100.23	
	F-A									
HEG-547-AFW-R508 516X	F1.30	TWO DIRECTIONAL RESTRAINT		○	○	●		038	FNP-0-NDE-100.23	
	F-A									
HEG-547-AFW-R544 R503	F1.30	TWO DIRECTIONAL RESTRAINT		○	○	●		038	FNP-0-NDE-100.23	
	F-A									

PC-08

**J. M. FARLEY NUCLEAR PLANT
OUTAGE PLAN
Interval 3 Period 1 Outage 2**

FNP-1-M-097

Component No.	(89) Item No.	Description	Cal Block No.	Method			Mat.	Exam Cov. (FNP-FIG.)	NDE Procedures	Remarks
	(89) Code Cat.			Sur	Vol	Vis				
ALA1-4304-7	B9.11	Pipe to Valve	ALA-6	●	●	○	(A)	012	FNP-O-NDE-100.5 FNP-O-NDE-100.31	Commitment Per 97-19-1
	B-J									
ALA2-4101-9	C5.51	Valve to Pipe	ALA-24		●		(F)	036	FNP-O-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-141	C5.52	Pipe Long Seam	ALA-24		●		(F)	036	FNP-O-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-38	C5.51	Pipe to Pipe	ALA-23		●		(F)	036	FNP-O-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2		ALA-24							
ALA2-4101-38L1	C5.52	Pipe Long Seam	ALA-23		●		(F)	036	FNP-O-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4101-12BC	C5.81	Branch Connection	ALA-23	●	●		(F)	036	FNP-O-NDE-100.31 FNP-O-NDE-100.11	100% of length using 1974 Code (Vol AUG/SURF Code)
	C-F-2									
ALA2-4500-9	-	Valve to Pipe	ALA-24		●		(F)	036	FNP-O-NDE-100.31	100% of length using 1974 Code (AUG)
	-									
ALA2-4500-44	C5.51	Pipe to Pipe	ALA-24		●		(F)	036	FNP-O-NDE-100.31	100% of length using 1974 Code (AUG)
	C-F-2									
ALA2-4500-11L2 NII	-	Pipe Long Seam	ALA-24		●		(F)	036	FNP-O-NDE-100.31	100% of length using 1974 Code (AUG) (Intro dose)
	-									
ALA2-4101-2L2	C5.52	Pipe long. Seam	ALA-24		●		(F)	036	FNP-O-NDE-100.31	100% of length using 1974 code (AUG) (Intro dose)
	C-F-2									
ALA2-4101-4L2	C5.52	Pipe long. Seam	ALA-24		●		(F)	036	FNP-O-NDE-100.31	100% of length using 1974 Code (AUG) (Intro dose)
	C-F-2									

 PC-01
PC-02
PC-03

PC-02

PC-04

J. M. FARLEY NUCLEAR PLANT OUTAGE PLAN

Interval 3 Period 1 Outage 2

FNP-1-M-097

[illegible]

PAGE 25 of

UNIT 1

INSERVICE INSPECTION PROGRAM Change No. 006 (attachment)

Component No.	Item No. Code Cat.	DESCRIPTION	Calibration block	EXAM	PROCEDURE	MAT./ EXAM. FIG	Remarks/ BECHTEL WELD NUMBER
ALA1-4100-4R	B9.11 B-J	ELBOW TO SAFE END	ALA/APR-33 ALA-52	SUR VOL	FNP-0-NDE-100.41 BECHTEL PT ASME III/XI	(A) 012	SG-A RCS FW 1
ALA1-4100-5R	B9.11 B-J	SAFE END TO ELBOW	ALA/APR-33 ALA-52	SUR VOL	FNP-0-NDE-100.41 BECHTEL PT ASME III/XI	(A) 012	SG-A RCS FW 2
ALA2-4150-21R	C-F-2 5.51	ELBOW TO REDUCER	ALA-51 ALA-25	SUR VOL	FNP-0-NDE-100.31 BECHTEL MT ASME III/XI	(F) 030	SG-A MFW FW 19
ALA2-4150-22R	C-F-2 5.51	REDUCER TO NOZZLE	ALA-51	SUR VOL	FNP-0-NDE-100.31 BECHTEL MT ASME III/XI	(F) 030	SG-A MFW FW 20
ALA1-4200-4R	B9.11 B-J	ELBOW TO SAFE END	ALA/APR-33 ALA-52	SUR VOL	FNP-0-NDE-100.41 BECHTEL PT ASME III/XI	(A) 012	SG-B RCS FW 1
ALA1-4200-5R	B9.11 B-J	SAFE END TO ELBOW	ALA/APR-33 ALA-52	SUR VOL	FNP-0-NDE-100.41 BECHTEL PT ASME III/XI	(A) 012	SG-B RCS FW 2
ALA2-4250-16R	C-F-2 5.51	REDUCER TO NOZZLE	ALA-51	SUR VOL	FNP-0-NDE-100.31 BECHTEL MT ASME III/XI	(F) 030	SG-B MFW FW 14
ALA2-4250-22R BC	C-F-2 5.81	BRANCH CONNECTION	N/A	SUR	BECHTEL MT ASME III/XI	(F) 032	SG-B MFW FW 15G
ALA1-4300-4R	B9.11 B-J	ELBOW TO SAFE END	ALA/APR-33 ALA-52	SUR VOL	FNP-0-NDE-100.41 BECHTEL PT ASME III/XI	(A) 012	SG-C RCS FW 1
ALA1-4300-5R	B9.11 B-J	SAFE END TO ELBOW	ALA/APR-33 ALA-52	SUR VOL	FNP-0-NDE-100.41 BECHTEL PT ASME III/XI	(A) 012	SG-C RCS FW 2
ALA2-4350-22R 23R	C-F-2 5.51	ELBOW TO REDUCER	ALA-51 ALA-25	SUR VOL	FNP-0-NDE-100.31 BECHTEL MT ASME III/XI	(F) 030	SG-C MFW FW 22
ALA2-4350-24R	C-F-2 5.51	REDUCER TO NOZZLE	ALA-51	SUR VOL	FNP-0-NDE-100.31 BECHTEL MT ASME III/XI	(F) 030	SG-C MFW FW 23

PC-07

PC-06

PC-07

INDEX TAB D

<u>DESCRIPTION</u>	<u>TAB</u>
CLASS 1	
REACTOR VESSEL EXAMS	1.1
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STEAM GENERATOR EXAMS	1.3
PIPING WELD EXAMS	1.4
VALVE BODIES/BOLTING EXAMS	1.5
REACTOR COOLANT PUMP EXAMS	1.6
PRESSURE RETAINING BOLTING/ PRESSURE TESTING EXAMS	1.7
CLASS 2	
COMPONENT EXAMS	2.1
STEAM GENERATOR EXAMS	2.2
PIPING WELD EXAMS	2.3

**EXAMINATION SUMMARY
FOR UNIT 1
INTERVAL 3 PERIOD 1 OUTAGE 2**

**DRAWING ALA1-1300B
REACTOR VESSEL CLOSURE HEAD**

ITEM NO	VOLUMERIC			SURFACE			VISUAL			REMARKS
	NI	NRI	RI	NI	NRI	RI	NI	NRI	RI	
S01	X			X						
S02	X			X						
S03	X			X						
S04	X			X						
S05	X			X						
S06	X			X						
S07	X			X						
S08	X			X						
S09	X			X						
S10	X			X						
S11	X			X						
S12	X			X						
S13	X			X						
S14	X			X						
S15	X			X						
S16	X			X						
S17	X			X						
S18	X			X						
S19	X			X						
N01							X			
N02							X			
N03							X			
N04							X			
N05							X			
N06							X			
N07							X			
N08							X			
N09							X			
N10							X			
N11							X			
N12							X			
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N14							X			
N15							X			
N16							X			
N17							X			
N18							X			
N19							X			

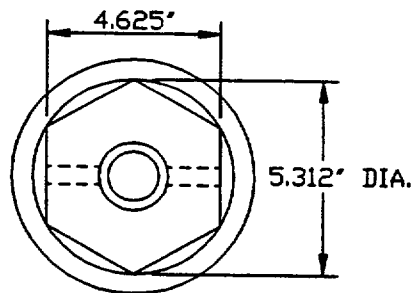
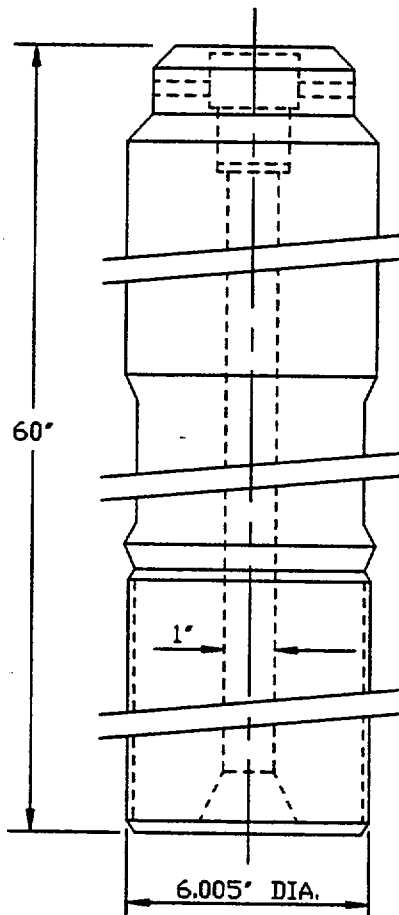
DRAWING ALA1-1300B
REACTOR VESSEL CLOSURE HEAD

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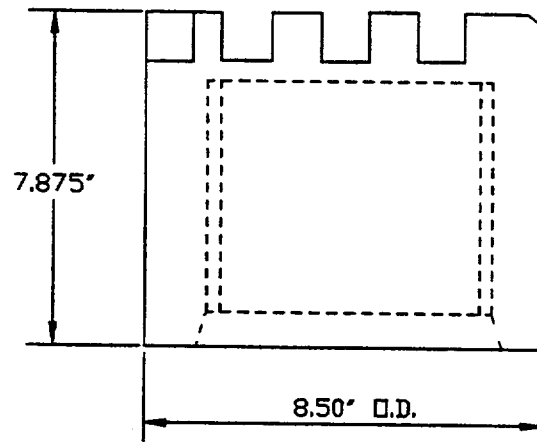
ALA1-1300B

REACTOR VESSEL STUDS, NUTS, AND WASHERS

STUD

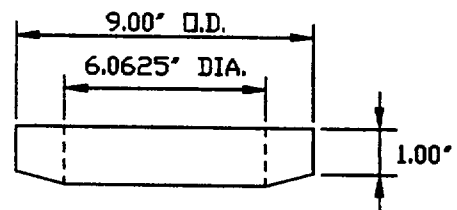


NUT

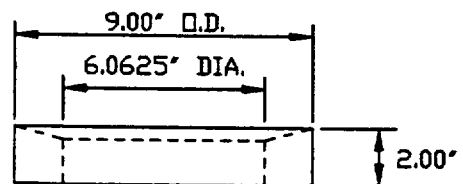


58 STUDS AND
NUTS
58 WASHER
SETS (2)

CONVEX WASHER



CONCAVE WASHER



ITEM	FNP FIG.	CAL. BLOCK
STUDS 1-58	016	ALA-36

1	3-26-98	RAW	JAR	REVISED PER REA 96-1295, REV. 0	LDT	DLG	REV		
0	6-30-92	SDH	JAR	ISSUED PER PCN S-92-1-8162.	CAB	CCM	for	WRH	
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for REACTOR VESSEL

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

9

1

CAD ALA1300B
AUTOCAD RAV-02

SHARED

FARLEY NUCLEAR PLANT Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.39
Southern Nuclear Operating Company

Unit	Sketch/Component No.	Date	Sheet No.	Page	of
1	ALA1-1300-S01	3/24/00	S00F1U170	1	1
Procedure/Rev./TCN	Couplant/Batch No.	Thermometer SN/Cal Due Date	Linearity Sheet No.		
FNP-0-NDE-100.39 / 3 / N/A	SONOTRACE 40 / 94243	38081 / 8/27/2000	S00F1L009		

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	PANAMETRICS	Transducer Mfg.	PANAMETRICS	Cal. Blk. No.	ALA-36	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Serial No.	92108811	Serial No.	239864	Thickness	55 3/4								
	Ax. dB	Circ. dB	Size										
Ref.	(1)	(2)	Frequency/Mode	10 / L	Cal. Temp.	62°							
Scan	61	66	"A" Dimension	N/A	Cal. In	1320	(1) 7.6	50/80	6.22	N/A			
Reject	OFF		Nominal Angle	0	Cal. Chk.	N/A	(2) 54.25	50/80	7.80	N/A			
Frequency	6.0		Measured Angle	N/A	Cal. Out	1525	Calibration Remarks: (1) OD NEAR NOTCH. (2) OD FAR NOTCH.						
Mode	P/E		Cable Type	RG174	Ref. Blk. No.	N/A							
Damping	500 OHMS		Cable Length	6'	Reflector	N/A							
					Amplitude/Sweep	N/A							

Comp. Temp.: 64° °F Configuration: REACTOR VESSEL STUDS Wo Location N/A Lo Location N/A

Scan Dir.	Results	Ind. No.	% DAC	Length	Reference Measurement	Sweep Position	Thickness	Notes:
NI NRI RI				L1 Lmax L2	W1 Wmax W2	S1 Smax S2	1" <-- C/L --> 1"	
*			N/A					

Examination/Limitation Remarks: * EXAMINATION PERFORMED FROM TOP AND BOTTOM OF STUDS TO ACHIEVE 100% COVERAGE DUE TO HEAD CONFIGURATION/LIMITATION.

Total Length of Weld	Crown Width	Total Length of Weld Examined				Extent of Perpendicular Scans (W)				Extent of Parallel Scans (L)							
N/A	N/A	5 (L) N/A	2 (L) N/A	7 & 8 (W) N/A	5 - from N/A to N/A	2 - from N/A to N/A	From (5) N/A to (2) N/A										
Primary Examiner	Level				Assistant Examiner				Level				Non-Technical Review				Date
JOSEPH D. FUNYAK	II				N/A				N/A				J. Funyak				3-25-00
SNC NDE Level II/III Review				Date				Percentage of Code Coverage				ANIR Review				Date	
[Signature]				3-27-00				100 %				[Signature]				3/27/00	

Figure 1

Revision 7

SHARED

FNP-0-NDE-100.11

MT-F-Form 002

Farley Nuclear Plant

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S01	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M008	Page 1 of 1
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 72 ° F		<u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A		<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A
Component Configuration REACTOR VESSEL STUDS			% of Length Coverage 100%	Date 3/23/00
			% of Area Coverage 100%	
Ind. No.	Results	Indication Desc. / Exam Limitations / etc.	Remarks	
N/A	NI	N/A	NONE	

Remarks: **BLACKLIGHT CHECK 1313 & 1515 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>JDF</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>CK</i>	Non-Technical Review <i>J. Edwards</i>	Date 3-27-00
SNC NDE Level II/III Review <i>Nancy Cordis L/III</i>			Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review <i>CGH</i>		Date 3/27/00

Figure 3

Revision 4

SHARED

FARLEY NUCLEAR PLANT
Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.39
Southern Nuclear Operating Company

Unit 1	Sketch/Component No. ALA1-1300-S02	Date 3/24/00	Sheet No. S00F1U171	Page 1 of 1
Procedure/Rev./TCN FNP-0-NDE-100.39 / 3 / N/A	Couplant/Batch No. SONOTRACE 40 / 94243	Thermometer SN/Cal Due Date 38081 / 8/27/2000	Linearity Sheet No. S00F1L009	

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	PANAMETRICS	Transducer Mfg.	PANAMETRICS	Cal. Blk. No.	ALA-36	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Serial No.	9210881	Serial No.	239864	Thickness	55 3/4	(1) 7.6	50/80	6.22	N/A				
Ax. dB		Size	.50	Cal. Temp.	62°	(2) 54.25	50/80	7.80	N/A				
Ref.	(1)	Frequency/Mode	10 / L	Cal. In	1320	Calibration Remarks: (1) OD NEAR NOTCH. (2) OD FAR NOTCH.							
Scan	61	"A" Dimension	N/A	Cal. Chk.	N/A								
Reject	OFF	Nominal Angle	0	Cal. Out	1525								
Frequency	6.0	Measured Angle	N/A	Ref. Blk. No.	N/A								
Mode	P/E	Cable Type	RG174	Reflector	N/A								
Damping	500 OHMS	Cable Length	6'	Amplitude/Sweep	N/A								

Comp. Temp.: **64°** °F Configuration: **REACTOR VESSEL STUDS** Wo Location **N/A** Lo Location **N/A**

Scan Dir.	Results			Ind. No.	% DAC	Length			Reference Measurement			Sweep Position			Thickness			Notes:
	NI	NRI	RI			L1	Lmax	L2	W1	Wmax	W2	S1	Smax	S2	1" <--	C/L	-- > 1"	
*																		

Examination/Limitation Remarks: * EXAMINATION PERFORMED FROM TOP AND BOTTOM OF STUDS TO ACHIEVE 100% COVERAGE DUE TO HEAD CONFIGURATION/LIMITATION.

Total Length of Weld	Crown Width	Total Length of Weld Examined				Extent of Perpendicular Scans (W)				Extent of Parallel Scans (L)										
N/A	N/A	5 (L)	N/A	2 (L)	N/A	7 & 8 (W)	N/A	5 - from	N/A	to	N/A	2 - from	N/A	to	N/A	From (5)	N/A	to	(2)	N/A
Primary Examiner		Level		Assistant Examiner				Level		Non-Technical Review				Date						
JOSEPH D. FUNYAK		II		N/A				N/A		J. Eric Dyck				3-25-00						
SNC NDE Level II/III Review				Date		Percentage of Code Coverage				ANR Review				Date						
Dany Corda				3-27-00		100 %				C. H. Ward				3/27/00						

Ampt. Refs III - 6-1-2000

Figure 1

SHARED

FNP-0-NDE-100.11

Farley Nuclear Plant

MT-F-Form 002

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S02	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M009	Page 1 of 1
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 72 ° F		<u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A		<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A
Component Configuration REACTOR VESSEL STUDS			% of Length Coverage 100% % of Area Coverage 100%	Date 3/23/00
Ind. No. N/A	Results NI	Indication Desc. / Exam Limitations / etc. N/A	Remarks NONE	

Remarks: **BLACKLIGHT CHECK 1313 & 1515 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>QDF</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>CK</i>	Non-Technical Review <i>J. Edw. Aycock</i>	Date 3-27-00
SNC NDE Level II/III Review <i>Danny Cordis L III</i>			Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review <i>CG Ward</i>		Date 3/27/00

Figure 3

Revision 4

FARLEY NUCLEAR PLANT

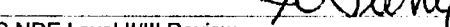
Ultrasonic Calibration and Examination Record

Southern Nuclear Operating Company

Page 1 of 1

Linearity Sheet No.

S00F1L009

Total Length of Weld		Crown Width		Total Length of Weld Examined				Extent of Perpendicular Scans (W)				Extent of Parallel Scans (L)								
N/A	N/A	5 (L)	N/A	2 (L)	N/A	7 & 8 (W)	N/A	5 - from	N/A	to	N/A	2 - from	N/A	to	N/A	From (5)	N/A	to	(2)	N/A
Primary Examiner							Level	Assistant Examiner				Level	Non-Technical Review				Date			
JOSEPH D. FUNYAK							II	N/A				N/A					3-25-00			
SNC NDE Level II/III Review							Date	Percentage of Code Coverage				ANII Review				Date				
 L/III							3-27-00	100 %								3/27/00				

Revision 7

SHARED

FNP-0-NDE-100.11

Farley Nuclear Plant

MT-F-Form 002

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S03	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M010	Page 1 of 1
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 72 ° F		<u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A		<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A
Component Configuration REACTOR VESSEL STUDS		% of Length Coverage 100%	Date 3/23/00	
% of Area Coverage 100%				
Ind. No. N/A	Results NI	Indication Desc. / Exam Limitations / etc. N/A		Remarks NONE

Remarks: **BLACKLIGHT CHECK 1313 & 1515 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>JD</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>CK</i>	Non-Technical Review <i>J. E. ...</i>	Date 3-27-00
SNC NDE Level II/III Review <i>Dan ...</i>			Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review <i>CK</i>		Date 3/27/00

Figure 3

Revision 4

SHARED

FARLEY NUCLEAR PLANT Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.39
Southern Nuclear Operating Company

Unit 1	Sketch/Component No. ALA1-1300-S04	Date 3/24/00	Sheet No. S00F1U173	Page 1 of 1
Procedure/Rev./TCN FNP-0-NDE-100.39 / 3 / N/A	Couplant/Batch No. SONOTRACE 40 / 94243	Thermometer SN/Cal Due Date 38081 / 8/27/2000	Linearity Sheet No. S00F1L009	

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	PANAMETRICS	Transducer Mfg.	PANAMETRICS	Cal. Blk. No.	ALA-36	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Serial No.	9210881	Serial No.	239864	Thickness	55 3/4								
Ax. dB		Circ. dB		Cal. Temp.	62°	(1) 7.6	50/80	6.22	N/A				
Ref.	(1)	(2)		Cal. In	1320	(2) 54.25	50/80	7.80	N/A				
Scan	61	66		Cal. Chk.	N/A								
Reject	OFF			Cal. Out	1525								
Frequency	6.0			Ref. Blk. No.	N/A	Calibration Remarks: (1) OD NEAR NOTCH. (2) OD FAR NOTCH.							
Mode	P/E			Reflector	N/A								
Damping	500 OHMS			Amplitude/Sweep	N/A								
		Size	.50										
		Frequency/Mode	10 / L										
		"A" Dimension	N/A										
		Nominal Angle	0										
		Measured Angle	N/A										
		Cable Type	RG174										
		Cable Length	6'										

Comp. Temp.: **64°** °F Configuration: **REACTOR VESSEL STUDS** Wo Location **N/A** Lo Location **N/A**

Scan Dir.	Results			Ind. No.	% DAC	Length			Reference Measurement			Sweep Position			Thickness			Notes:
	NI	NRI	RI			L1	Lmax	L2	W1	Wmax	W2	S1	Smax	S2	1" < --	C/L	-- > 1"	
*																		

Examination/Limitation Remarks: * EXAMINATION PERFORMED FROM TOP AND BOTTOM OF STUDS TO ACHIEVE 100% COVERAGE DUE TO HEAD CONFIGURATION/LIMITATION.

Total Length of Weld	Crown Width	Total Length of Weld Examined				Extent of Perpendicular Scans (W)				Extent of Parallel Scans (L)										
N/A	N/A	5 (L)	N/A	2 (L)	N/A	7 & 8 (W)	N/A	5 - from	N/A	to	N/A	2 - from	N/A	to	N/A	From (5)	N/A	to	(2)	N/A
Primary Examiner		Level		Assistant Examiner				Level		Non-Technical Review				Date						
JOSEPH D. FUNYAK		II		N/A				N/A		<i>J. Eric Aycock</i>				3-25-00						
SNC NDE Level II/III Review				Date		Percentage of Code Coverage				ANII Review				Date						
<i>Dan Carden LIII</i>				3-27-00		100 %				<i>CGH</i>				3/27/00						

Figure 1

Revision 7

SHARED

FNP-0-NDE-100.11

MT-F-Form 002

Farley Nuclear Plant

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S04	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M011	Page 1 of 1
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 72 ° F		<u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A		<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A
Component Configuration REACTOR VESSEL STUDS			% of Length Coverage 100%	Date 3/23/00
			% of Area Coverage 100%	
Ind. No.	Results	Indication Desc. / Exam Limitations / etc.	Remarks	
N/A	NI	N/A	NONE	

Remarks: **BLACKLIGHT CHECK 1313 & 1515 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>JSF</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>CK</i>	Non-Technical Review <i>J. Eric Rysock</i>	Date 3-27-00
SNC NDE Level II/III Review <i>San Carlos L/III</i>			Date 3-27-00	Percentage of Code Coverage 100 %		ANII Review <i>ckw</i>	Date 3/27/00

Figure 3

Revision 4

SHARED

FARLEY NUCLEAR PLANT Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.39

Southern Nuclear Operating Company

Unit 1	Sketch/Component No. ALA1-1300-S05	Date 3/24/00	Sheet No. S00F1U174	Page 1 of 1
Procedure/Rev./TCN FNP-0-NDE-100.39 / 3 / N/A	Couplant/Batch No. SONOTRACE 40 / 94243	Thermometer SN/Cal Due Date 38081 / 8/27/2000	Linearity Sheet No. S00F1L009	

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	PANAMETRICS	Transducer Mfg.	PANAMETRICS	Cal. Blk. No.	ALA-36	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Serial No.	9210881	Serial No.	239864	Thickness	55 3/4								
Ax. dB		Circ. dB		Cal. Temp.	62°	(1) 7.6	50/80	6.22	N/A				
Ref.	(1)	(2)		Cal. In	1320	(2) 54.25	50/80	7.80	N/A				
Scan	61	66		Cal. Chk.	N/A	Calibration Remarks: (1) OD NEAR NOTCH. (2) OD FAR NOTCH.							
Reject	OFF			Cal. Out	1525								
Frequency	6.0			Ref. Blk. No.	N/A								
Mode	P/E			Reflector	N/A								
Damping	500 OHMS			Amplitude/Sweep	N/A								
		Size	.50										
		Frequency/Mode	10 / L										
		"A" Dimension	N/A										
		Nominal Angle	0										
		Measured Angle	N/A										
		Cable Type	RG174										
		Cable Length	6'										

Comp. Temp.: **64°** °F Configuration: **REACTOR VESSEL STUDS** Wo Location **N/A** Lo Location **N/A**

Scan Dir.	Results	Ind. No.	% DAC	Length	Reference Measurement	Sweep Position	Thickness	Notes:
NI NRI RI				L1 Lmax L2	W1 Wmax W2	S1 Smax S2	1" <-- C/L --> 1"	
*				N/A				

Examination/Limitation Remarks: * EXAMINATION PERFORMED FROM TOP AND BOTTOM OF STUDS TO ACHIEVE 100% COVERAGE DUE TO HEAD CONFIGURATION/LIMITATION.

Total Length of Weld N/A	Crown Width N/A	Total Length of Weld Examined 5 (L) N/A 2 (L) N/A 7 & 8 (W) N/A	Extent of Perpendicular Scans (W) 5 - from N/A to N/A 2 - from N/A to N/A	Extent of Parallel Scans (L) From (5) N/A to (2) N/A
Primary Examiner JOSEPH D. FUNYAK	Level II	Assistant Examiner N/A	Level N/A	Non-Technical Review J. Eric Ryrock
SNC NDE Level II/III Review [Signature]	Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review [Signature]	Date 3-25-00 Date 3/27/00

Figure 1

Revision 7

SHARED

FNP-0-NDE-100.11

Farley Nuclear Plant

MT-F-Form 002

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S05	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M012	Page 1 of 1
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 72 ° F		<u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A	<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A	
Component Configuration REACTOR VESSEL STUDS		% of Length Coverage 100%	Date 3/23/00	
% of Area Coverage 100%				
Ind. No. N/A	Results NI	Indication Desc. / Exam Limitations / etc. N/A		Remarks NONE

Remarks: **BLACKLIGHT CHECK 1313 & 1515 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>JSF</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>CK</i>	Non-Technical Review <i>J. Eric Aycock</i>	Date 3-27-00
SNC NDE Level II/III Review <i>Dan Coad</i> L/III			Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review <i>CGW</i>		Date 3/27/00

Figure 3

Revision 4

SHARED

FARLEY NUCLEAR PLANT
Ultrasonic Calibration and Examination Record

FNF-0-NDE-100.39
Southern Nuclear Operating Company

Unit 1	Sketch/Component No. ALA1-1300-S06	Date 3/24/00	Sheet No. S00F1U175	Page 1 of 1
Procedure/Rev./TCN FNF-0-NDE-100.39 / 3 / N/A	Couplant/Batch No. SONOTRACE 40 / 94243	Thermometer SN/Cal Due Date 38081 / 8/27/2000	Linearity Sheet No. S00F1L009	

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	PANAMETRICS		Transducer Mfg.	PANAMETRICS		Cal. Blk. No.	ALA-36						
Serial No.	9210881		Serial No.	239864		Thickness	55 3/4			Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
	Ax. dB	Circ. dB	Size	.50		Cal. Temp.	62°						
Ref.	(1)	(2)	Frequency/Mode	10 / L		Cal. In	1320						
Scan	61	66	"A" Dimension	N/A		Cal. Chk.	N/A						
Reject	OFF		Nominal Angle	0		Cal. Out	1525						
Frequency	6.0		Measured Angle	N/A		Ref. Blk. No.	N/A			Calibration Remarks: (1) OD NEAR NOTCH. (2) OD FAR NOTCH.			
Mode	P/E		Cable Type	RG174		Reflector	N/A						
Damping	500 OHMS		Cable Length	6'		Amplitude/Sweep	N/A						

Comp. Temp.: 64° °F Configuration: **REACTOR VESSEL STUDS** Wo Location **N/A** Lo Location **N/A**

Scan Dir.	Results			Ind. No.	% DAC	L1	Length		Reference Measurement			Sweep Position			Thickness			Notes:
	NI	NRI	RI				Lmax	L2	W1	Wmax	W2	S1	Smax	S2	1"<--	C/L	-->1"	
*					N/A													

Examination/Limitation Remarks: * EXAMINATION PERFORMED FROM TOP AND BOTTOM OF STUDS TO ACHIEVE 100% COVERAGE DUE TO HEAD CONFIGURATION/LIMITATION.

Total Length of Weld		Crown Width		Total Length of Weld Examined				Extent of Perpendicular Scans (W)				Extent of Parallel Scans (L)										
N/A		N/A		5 (L)	N/A	2 (L)	N/A	7 & 8 (W)	N/A	5 - from	N/A	to	N/A	2 - from	N/A	to	N/A	From (5)	N/A	to	(2)	N/A
Primary Examiner				Level		Assistant Examiner				Level		Non-Technical Review				Date						
JOSEPH D. FUNYAK				II		N/A				N/A		[Signature]				3-25-00						
SNC NDE Level II/III Review						Date		Percentage of Code Coverage				ANI Review				Date						
[Signature]						3-27-00		100 %				[Signature]				3/27/00						

Figure 1

Revision 7

SHARED

FNP-0-NDE-100.11

MT-F-Form 002

Farley Nuclear Plant

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S06	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M013	Page 1 of 1
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 72 ° F		<u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A		<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A
Component Configuration REACTOR VESSEL STUDS		% of Length Coverage 100%	Date 3/23/00	
% of Area Coverage 100%				
Ind. No. N/A	Results NI	Indication Desc. / Exam Limitations / etc. N/A		Remarks NONE

Remarks: **BLACKLIGHT CHECK 1313 & 1515 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>JO F</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>CK</i>	Non-Technical Review <i>J. Eric Poycock</i>	Date 3-27-00
SNC NDE Level II/III Review <i>Jan Cooke L/III</i>			Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review <i>CLW</i>		Date 3/27/00

Figure 3

Revision 4

FARLEY NUCLEAR PLANT Ultrasonic Calibration and Examination Record

SHARED

FNP-0-NDE-100.39
Southern Nuclear Operating Company

Unit **1** Sketch/Component No. **ALA1-1300-S07** Date **3/24/00** Sheet No. **S00F1U176** Page **1** of **1**
Procedure/Rev./TCN **FNP-0-NDE-100.39 / 3 / N/A** Couplant/Batch No. **SONOTRACE 40 / 94243** Thermometer SN/Cal Due Date **38081 / 8/27/2000** Linearity Sheet No. **S00F1L009**

Instrument			Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration					
Instrument	PANAMETRICS		Transducer Mfg.	PANAMETRICS		Cal. Blk. No.	ALA-36									
Serial No.	9210881		Serial No.	239864		Thickness	55 3/4		Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Ax. dB	Circ. dB	Size	.50		Cal. Temp.	62°		(1) 7.6	50/80	6.22	N/A					
Ref.	(1)	(2)	Frequency/Mode	10 / L		Cal. In	1320		(2) 54.25	50/80	7.80	N/A				
Scan	61	66	"A" Dimension	N/A		Cal. Chk.	N/A									
Reject	OFF		Nominal Angle	0		Cal. Out	1525									
Frequency	6.0		Measured Angle	N/A		Ref. Blk. No.	N/A		Calibration Remarks: (1) OD NEAR NOTCH. (2) OD FAR NOTCH.							
Mode	P/E		Cable Type	RG174		Reflector	N/A									
Damping	500 OHMS		Cable Length	6'		Amplitude/Sweep	N/A									

Comp. Temp.: **64°** °F Configuration: **REACTOR VESSEL STUDS** Wo Location **N/A** Lo Location **N/A**

Scan Dir.	Results	Ind. No.	% DAC	Length	Reference Measurement	Sweep Position	Thickness	Notes:
	NI NRI RI			L1 Lmax L2	W1 Wmax W2	S1 Smax S2	1" <-- C/L -- > 1"	
*	● ○ ○	N/A						

Examination/Limitation Remarks: * EXAMINATION PERFORMED FROM TOP AND BOTTOM OF STUDS TO ACHIEVE 100% COVERAGE DUE TO HEAD CONFIGURATION/LIMITATION.

Total Length of Weld	Crown Width	Total Length of Weld Examined	Extent of Perpendicular Scans (W)				Extent of Parallel Scans (L)			
N/A	N/A	5 (L) N/A 2 (L) N/A 7 & 8 (W) N/A	5 - from	N/A	to	N/A	2 - from	N/A	to	N/A
Primary Examiner			Level	Assistant Examiner			Level	Non-Technical Review		
JOSEPH D. FUNYAK			II	N/A			N/A	J. Eric Depock		
SNC NDE Level II/III Review			Date	Percentage of Code Coverage			ANII Review			Date
Dany Cordes			3-27-00	100 %			14/4/00			3-25-00
										2/27/00

Figure 1

Revision 7

SHARED

FNP-0-NDE-100.11

Farley Nuclear Plant

MT-F-Form 002

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S07	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M014	Page 1 of 1
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 72 ° F		<u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A		<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A
Component Configuration REACTOR VESSEL STUDS			% of Length Coverage 100%	Date 3/23/00
			% of Area Coverage 100%	
Ind. No.	Results	Indication Desc. / Exam Limitations / etc.	Remarks	
N/A	NI	N/A	NONE	

Remarks: **BLACKLIGHT CHECK 1313 & 1515 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>JD</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>CK</i>	Non-Technical Review <i>J. Eric Ojeda</i>	Date 3-27-00
SNC NDE Level II/III Review <i>Dan Cordis L/III</i>			Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review <i>CGW</i>		Date 3/27/00

Figure 3

Revision 4

SHARED

FARLEY NUCLEAR PLANT Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.39
Southern Nuclear Operating Company

Unit 1	Sketch/Component No. ALA1-1300-S08	Date 3/24/00	Sheet No. S00F1U177	Page 1 of 1
Procedure/Rev./TCN FNP-0-NDE-100.39 / 3 / N/A	Couplant/Batch No. SONOTRACE 40 / 94243	Thermometer SN/Cal Due Date 38081 / 8/27/2000	Linearity Sheet No. S00F1L009	

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	PANAMETRICS	Transducer Mfg.	PANAMETRICS	Cal. Blk. No.	ALA-36	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Serial No.	92108811	Serial No.	239864	Thickness	55 3/4	(1) 7.6	50/80	6.22	N/A				
Ax. dB		Size	.50	Cal. Temp.	62°	(2) 54.25	50/80	7.80	N/A				
Ref.	(1)	Frequency/Mode	10 / L	Cal. In	1320	Calibration Remarks: (1) OD NEAR NOTCH. (2) OD FAR NOTCH.							
Scan	61	"A" Dimension	N/A	Cal. Chk.	N/A								
Reject	OFF	Nominal Angle	0	Cal. Out	1525								
Frequency	6.0	Measured Angle	N/A	Ref. Blk. No.	N/A								
Mode	P/E	Cable Type	RG174	Reflector	N/A								
Damping	500 OHMS	Cable Length	6'	Amplitude/Sweep	N/A								

Comp. Temp.: **64°** °F Configuration: **REACTOR VESSEL STUDS** Wo Location **N/A** Lo Location **N/A**

Scan Dir.	Results			Ind. No.	% DAC	Length			Reference Measurement			Sweep Position			Thickness			Notes:
	NI	NRI	RI			L1	Lmax	L2	W1	Wmax	W2	S1	Smax	S2	1" <--	C/L	-- > 1"	
*																		

Examination/Limitation Remarks: * EXAMINATION PERFORMED FROM TOP AND BOTTOM OF STUDS TO ACHIEVE 100% COVERAGE DUE TO HEAD CONFIGURATION/LIMITATION.

Total Length of Weld	Crown Width	Total Length of Weld Examined				Extent of Perpendicular Scans (W)				Extent of Parallel Scans (L)										
N/A	N/A	5 (L)	N/A	2 (L)	N/A	7 & 8 (W)	N/A	5 - from	N/A	to	N/A	2 - from	N/A	to	N/A	From (5)	N/A	to	(2)	N/A
Primary Examiner		Level		Assistant Examiner				Level		Non-Technical Review				Date						
JOSEPH D. FUNYAK		II		N/A				N/A		J. Eric Aycock				3-25-00						
SNC NDE Level II/III Review		Date		Percentage of Code Coverage				ANII Review		Date										
Dany Cordes LTR		3-27-00		100 %				C. G. Ward		3/27/00										

Figure 1

Revision 7

SHARED

FNP-0-NDE-100.11

Farley Nuclear Plant

MT-F-Form 002

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S08	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M015	Page 1 of 1
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 72 ° F		<u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A		<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A
Component Configuration REACTOR VESSEL STUDS			% of Length Coverage 100%	Date 3/23/00
			% of Area Coverage 100%	
Ind. No.	Results	Indication Desc. / Exam Limitations / etc.	Remarks	
N/A	NI	N/A	NONE	

Remarks: **BLACKLIGHT CHECK 1313 & 1515 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>JOF</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>avK</i>	Non-Technical Review <i>J. Eric Rysock</i>	Date 3-27-00
SNC NDE Level II/III Review <i>Wang Carlos L/TH</i>			Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review <i>CG and</i>		Date 3/27/00

Figure 3

Revision 4

SHARED

FARLEY NUCLEAR PLANT Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.39
Southern Nuclear Operating Company

Unit 1	Sketch/Component No. ALA1-1300-S09	Date 3/24/00	Sheet No. S00F1U178	Page 1 of 1
Procedure/Rev./TCN FNP-0-NDE-100.39 / 3 / N/A	Couplant/Batch No. SONOTRACE 40 / 94243	Thermometer SN/Cal Due Date 38081 / 8/27/2000	Linearity Sheet No. S00F1L009	

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	PANAMETRICS	Transducer Mfg.	PANAMETRICS	Cal. Blk. No.	ALA-36								
Serial No.	9210881	Serial No.	239864	Thickness	55 3/4	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Ax. dB		Circ. dB		Cal. Temp.	62°	(1) 7.6	50/80	6.22	N/A				
Ref.	(1)	(2)		Cal. In	1320	(2) 54.25	50/80	7.80	N/A				
Scan	61	66		Cal. Chk.	N/A								
Reject	OFF			Cal. Out	1525								
Frequency	6.0			Ref. Blk. No.	N/A	Calibration Remarks: (1) OD NEAR NOTCH. (2) OD FAR NOTCH.							
Mode	P/E			Reflector	N/A								
Damping	500 OHMS			Amplitude/Sweep	N/A								
		Size	.50										
		Frequency/Mode	10 / L										
		"A" Dimension	N/A										
		Nominal Angle	0										
		Measured Angle	N/A										
		Cable Type	RG174										
		Cable Length	6'										

Comp. Temp.: **64°** °F Configuration: **REACTOR VESSEL STUDS** Wo Location **N/A** Lo Location **N/A**

Scan Dir.	Results			Ind. No.	% DAC	Length			Reference Measurement			Sweep Position			Thickness			Notes:
	NI	NRI	RI			L1	Lmax	L2	W1	Wmax	W2	S1	Smax	S2	1" < --	C/L	-- > 1"	
*																		

Examination/Limitation Remarks: * EXAMINATION PERFORMED FROM TOP AND BOTTOM OF STUDS TO ACHIEVE 100% COVERAGE DUE TO HEAD CONFIGURATION/LIMITATION.

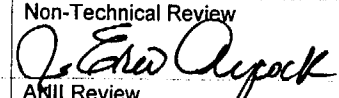
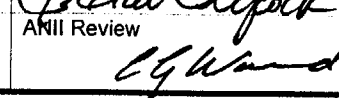
Total Length of Weld	Crown Width	Total Length of Weld Examined				Extent of Perpendicular Scans (W)				Extent of Parallel Scans (L)										
N/A	N/A	5 (L)	N/A	2 (L)	N/A	7 & 8 (W)	N/A	5 - from	N/A	to	N/A	2 - from	N/A	to	N/A	From (5)	N/A	to	(2)	N/A
Primary Examiner		Level		Assistant Examiner				Level		Non-Technical Review				Date						
JOSEPH D. FUNYAK		II		N/A				N/A						3-25-00						
SNC NDE Level II/III Review		Date		Percentage of Code Coverage				Date		Date										
		3-27-00		100 %						3/27/00										

Figure 1

Revision 7

SHARED

FNP-0-NDE-100.11

MT-F-Form 002

Farley Nuclear Plant

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S09	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M016	Page 1 of 1
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 72 ° F		<u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A		<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A
Component Configuration REACTOR VESSEL STUDS			% of Length Coverage 100%	Date 3/23/00
			% of Area Coverage 100%	
Ind. No.	Results	Indication Desc. / Exam Limitations / etc.	Remarks	
N/A	NI	N/A	NONE	

Remarks: **BLACKLIGHT CHECK 1313 & 1515 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>JSF</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>CK</i>	Non-Technical Review <i>J. Edwin Ayresch</i>	Date 3-27-00
SNC NDE Level II/III Review <i>Dan Carter L III</i> 3-27-00			Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review <i>EGH</i>		Date 3/27/00

Figure 3

Revision 4

SHARED

FARLEY NUCLEAR PLANT Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.39
Southern Nuclear Operating Company

Unit 1	Sketch/Component No. ALA1-1300-S10	Date 3/24/00	Sheet No. S00F1U179	Page 1 of 1
Procedure/Rev./TCN FNP-0-NDE-100.39 / 3 / N/A	Couplant/Batch No. SONOTRACE 40 / 94243	Thermometer SN/Cal Due Date 38081 / 8/27/2000	Linearity Sheet No. S00F1L009	

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	PANAMETRICS	Transducer Mfg.	PANAMETRICS	Cal. Blk. No.	ALA-36								
Serial No.	9210881	Serial No.	239864	Thickness	55 3/4	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Ax. dB		Circ. dB		Cal. Temp.	62°	(1) 7.6	50/80	6.22	N/A				
Ref.	(1)	(2)		Cal. In	1320	(2) 54.25	50/80	7.80	N/A				
Scan	61	66		Cal. Chk.	N/A								
Reject	OFF			Cal. Out	1525								
Frequency	6.0			Ref. Blk. No.	N/A	Calibration Remarks: (1) OD NEAR NOTCH. (2) OD FAR NOTCH.							
Mode	P/E			Reflector	N/A								
Damping	500 OHMS			Amplitude/Sweep	N/A								

Comp. Temp.: **64°** °F Configuration: **REACTOR VESSEL STUDS** Wo Location **N/A** Lo Location **N/A**

Scan Dir.	Results NI NRI RI	Ind. No.	% DAC	Length L1 Lmax L2	Reference Measurement W1 Wmax W2	Sweep Position S1 Smax S2	Thickness 1" < -- C/L -- > 1"	Notes:
*				N/A				

Examination/Limitation Remarks: * EXAMINATION PERFORMED FROM TOP AND BOTTOM OF STUDS TO ACHIEVE 100% COVERAGE DUE TO HEAD CONFIGURATION/LIMITATION.

Total Length of Weld	Crown Width	Total Length of Weld Examined				Extent of Perpendicular Scans (W)				Extent of Parallel Scans (L)			
N/A	N/A	5 (L) N/A	2 (L) N/A	7 & 8 (W) N/A	5 - from N/A to N/A	2 - from N/A to N/A	From (5) N/A to (2) N/A						
Primary Examiner JOSEPH D. FUNYAK		Level II	Assistant Examiner N/A				Level N/A	Non-Technical Review <i>[Signature]</i>		Date 3-25-00			
SNC NDE Level II/III Review <i>[Signature]</i>		Date 3-27-00	Percentage of Code Coverage 100 %				ANII Review <i>[Signature]</i>		Date 3/27/00				

Figure 1

Revision 7

SHARED

FNP-0-NDE-100.11

Farley Nuclear Plant

MT-F-Form 002

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S10	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M017	Page 1 of 1
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 72 ° F		<u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A		<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A
Component Configuration REACTOR VESSEL STUDS			% of Length Coverage 100%	Date 3/23/00
			% of Area Coverage 100%	
Ind. No.	Results	Indication Desc. / Exam Limitations / etc.	Remarks	
N/A	NI	N/A	NONE	

Remarks: **BLACKLIGHT CHECK 1313 & 1515 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>[Signature]</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>[Signature]</i>	Non-Technical Review <i>[Signature]</i>	Date 3-27-00
SNC NDE Level II/III Review <i>[Signature]</i>			Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review <i>[Signature]</i>		Date 3/27/00

Figure 3

Revision 4

SHARED

FARLEY NUCLEAR PLANT
Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.39
Southern Nuclear Operating Company

Unit 1	Sketch/Component No. ALA1-1300-S11	Date 3/24/00	Sheet No. S00F1U180
Procedure/Rev./TCN FNP-0-NDE-100.39 / 3 / N/A	Couplant/Batch No. SONOTRACE 40 / 94243	Thermometer SN/Cal Due Date 38081 / 8/27/2000	Linearity Sheet No. S00F1L009

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	PANAMETRICS	Transducer Mfg.	PANAMETRICS	Cal. Blk. No.	ALA-36								
Serial No.	92108811	Serial No.	239864	Thickness	55 3/4	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Ax. dB		Circ. dB		Cal. Temp.	62°	(1) 7.6	50/80	6.22	N/A				
Ref.	(1)	(2)		Cal. In	1320	(2) 54.25	50/80	7.80	N/A				
Scan	61	66		Cal. Chk.	N/A								
Reject	OFF			Cal. Out	1525								
Frequency	6.0			Ref. Blk. No.	N/A	Calibration Remarks: (1) OD NEAR NOTCH. (2) OD FAR NOTCH.							
Mode	P/E			Reflector	N/A								
Damping	500 OHMS			Amplitude/Sweep	N/A								

Comp. Temp.: **64°** °F Configuration: **REACTOR VESSEL STUDS** Wo Location **N/A** Lo Location **N/A**

Scan Dir.	Results			Ind. No.	% DAC	Length			Reference Measurement			Sweep Position			Thickness			Notes:
	NI	NRI	RI			L1	Lmax	L2	W1	Wmax	W2	S1	Smax	S2	1" <--	C/L	-- > 1"	
*																		

Examination/Limitation Remarks: * EXAMINATION PERFORMED FROM TOP AND BOTTOM OF STUDS TO ACHIEVE 100% COVERAGE DUE TO HEAD CONFIGURATION/LIMITATION.

Total Length of Weld	Crown Width	Total Length of Weld Examined				Extent of Perpendicular Scans (W)				Extent of Parallel Scans (L)										
N/A	N/A	5 (L)	N/A	2 (L)	N/A	7 & 8 (W)	N/A	5 - from	N/A	to	N/A	2 - from	N/A	to	N/A	From (5)	N/A	to	(2)	N/A
Primary Examiner		Level		Assistant Examiner				Level		Non-Technical Review				Date						
JOSEPH D. FUNYAK		II		N/A				N/A		L. Eric Dyck				3-25-00						
SNC NDE Level II/III Review				Date		Percentage of Code Coverage				ANIR Review				Date						
Don Carlos LHC				3-27-00		100 %				CG Ward				3/27/00						

Don Carlos LHC
Don Carlos LHC III 6/1/2000

Figure 1

Revision 7

SHARED

FNP-0-NDE-100.11

MT-F-Form 002

Farley Nuclear Plant

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S11	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M018	Page 1 of 1
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 65 ° F		<u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A		<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A
Component Configuration REACTOR VESSEL STUDS		% of Length Coverage 100%	Date 3/24/00	
% of Area Coverage 100%				
Ind. No. N/A	Results NI	Indication Desc. / Exam Limitations / etc. N/A		Remarks NONE

Remarks: **BLACKLIGHT CHECK 0808 & 1008 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>JD</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>CK</i>	Non-Technical Review <i>[Signature]</i>	Date 3-27-00
SNC NDE Level II/III Review <i>[Signature]</i>			Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review <i>[Signature]</i>		Date 3/27/00

Figure 3

Revision 4

SHARED

FARLEY NUCLEAR PLANT
Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.39

Southern Nuclear Operating Company

Unit 1	Sketch/Component No. ALA1-1300-S12	Date 3/24/00	Sheet No. S00F1U181
Procedure/Rev./TCN FNP-0-NDE-100.39 / 3 / N/A	Couplant/Batch No. SONOTRACE 40 / 94243	Thermometer SN/Cal Due Date 38081 / 8/27/2000	Linearity Sheet No. S00F1L009

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	PANAMETRICS	Transducer Mfg.	PANAMETRICS	Cal. Blk. No.	ALA-36	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Serial No.	9210881	Serial No.	239864	Thickness	55 3/4	(1) 7.6	50/80	6.22	N/A				
Ax. dB		Circ. dB		Cal. Temp.	62°	(2) 54.25	50/80	7.80	N/A				
Ref.	(1)	Size	.50	Cal. In	1320	Calibration Remarks: (1) OD NEAR NOTCH. (2) OD FAR NOTCH.							
Scan	61	Frequency/Mode	10 / L	Cal. Chk.	N/A								
Reject	OFF	"A" Dimension	N/A	Cal. Out	1525								
Frequency	6.0	Nominal Angle	0	Ref. Blk. No.	N/A								
Mode	P/E	Measured Angle	N/A	Reflector	N/A								
Damping	500 OHMS	Cable Type	RG174	Amplitude/Sweep	N/A								

Comp. Temp.: **64°** °F Configuration: **REACTOR VESSEL STUDS** Wo Location **N/A** Lo Location **N/A**

Scan Dir.	Results			Ind. No.	% DAC	Length			Reference Measurement			Sweep Position			Thickness			Notes:
	NI	NRI	RI			L1	Lmax	L2	W1	Wmax	W2	S1	Smax	S2	1" <--	C/L	-- > 1"	
*				N/A														

Examination/Limitation Remarks: * EXAMINATION PERFORMED FROM TOP AND BOTTOM OF STUDS TO ACHIEVE 100% COVERAGE DUE TO HEAD CONFIGURATION/LIMITATION.

Total Length of Weld	Crown Width	Total Length of Weld Examined				Extent of Perpendicular Scans (W)				Extent of Parallel Scans (L)										
N/A	N/A	5 (L)	N/A	2 (L)	N/A	7 & 8 (W)	N/A	5 - from	N/A	to	N/A	2 - from	N/A	to	N/A	From (5)	N/A	to	(2)	N/A
Primary Examiner		Level		Assistant Examiner		Level		Non-Technical Review		Date		Date		Date		Date		Date		
JOSEPH D. FUNYAK		II		N/A		N/A		L. Eric Olyock		3-25-00		3-27-00		3-27-00		3-27-00		3-27-00		
SNC NDE Level II/III Review		Date		Percentage of Code Coverage		Date		ANII Review		Date		Date		Date		Date		Date		
Sam Cordeiro		3-27-00		100 %		3-27-00		lgward		3-27-00		3-27-00		3-27-00		3-27-00		3-27-00		

Figure 1

Revision 7

SHARED

FNP-0-NDE-100.11

MT-F-Form 002

Farley Nuclear Plant

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S12	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M019	Page <u>1</u> of <u>1</u>
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 65 ° F		<u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A	<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A	
Component Configuration REACTOR VESSEL STUDS		% of Length Coverage 100%	Date 3/24/00	
% of Area Coverage 100%				
Ind. No. N/A	Results NI	Indication Desc. / Exam Limitations / etc. N/A		Remarks NONE

Remarks: **BLACKLIGHT CHECK 0808 & 1008 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>JD</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>ck</i>	Non-Technical Review <i>[Signature]</i>	Date 3-27-00
SNC NDE Level II/III Review <i>[Signature]</i>			Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review <i>[Signature]</i>		Date 3/27/00

Figure 3

Revision 4

SHARED

FARLEY NUCLEAR PLANT Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.39

Southern Nuclear Operating Company

Unit 1	Sketch/Component No. ALA1-1300-S13	Date 3/24/00	Sheet No. S00F1U182	Page 1 of 1
Procedure/Rev./TCN FNP-0-NDE-100.39 / 3 / N/A	Couplant/Batch No. SONOTRACE 40 / 94243	Thermometer SN/Cal Due Date 38081 / 8/27/2000	Linearity Sheet No. S00F1L009	

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	PANAMETRICS	Transducer Mfg.	PANAMETRICS	Cal. Blk. No.	ALA-36	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Serial No.	9210881I	Serial No.	239864	Thickness	55 3/4								
Ax. dB		Circ. dB		Cal. Temp.	62°	(1) 7.6	50/80	6.22	N/A				
Ref.	(1)	(2)		Cal. In	1320	(2) 54.25	50/80	7.80	N/A				
Scan	61	66		Cal. Chk.	N/A								
Reject	OFF			Cal. Out	1525								
Frequency	6.0			Ref. Blk. No.	N/A	Calibration Remarks: (1) OD NEAR NOTCH. (2) OD FAR NOTCH.							
Mode	P/E			Reflector	N/A								
Damping	500 OHMS			Amplitude/Sweep	N/A								

Comp. Temp.: 64° °F Configuration: **REACTOR VESSEL STUDS** Wo Location **N/A** Lo Location **N/A**

Scan Dir.	Results	Ind. No.	% DAC	Length	Reference Measurement	Sweep Position	Thickness	Notes:
	NI NRI RI			L1 Lmax L2	W1 Wmax W2	S1 Smax S2	1" <-- C/L --> 1"	
*				N/A				

Examination/Limitation Remarks: * EXAMINATION PERFORMED FROM TOP AND BOTTOM OF STUDS TO ACHIEVE 100% COVERAGE DUE TO HEAD CONFIGURATION/LIMITATION.

Total Length of Weld	Crown Width	Total Length of Weld Examined				Extent of Perpendicular Scans (W)				Extent of Parallel Scans (L)			
N/A	N/A	5 (L) N/A	2 (L) N/A	7 & 8 (W) N/A	5 - from N/A to N/A	2 - from N/A to N/A	From (5) N/A to (2) N/A						
Primary Examiner	Level		Assistant Examiner		Level		Non-Technical Review		Date				
JOSEPH D. FUNYAK	II		N/A		N/A		J. Eric Aycock		3-25-00				
SNC NDE Level II/III Review	Date		Percentage of Code Coverage		Ann Review		Date						
Jerry Canales	3-27-00		100 %		CGH		3/27/00						

Sample 1 of 61/2000

Figure 1

Revision 7

SHARED

FNP-0-NDE-100.11

MT-F-Form 002

Farley Nuclear Plant

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S13	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M020	Page 1 of 1
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 65 ° F		<u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A	<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A	
Component Configuration REACTOR VESSEL STUDS		% of Length Coverage 100%	Date 3/24/00	
% of Area Coverage 100%				
Ind. No. N/A	Results NI	Indication Desc. / Exam Limitations / etc. N/A		Remarks NONE

Remarks: **BLACKLIGHT CHECK 0808 & 1008 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>JOE</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>CK</i>	Non-Technical Review <i>J. Eric Reynolds</i>	Date 3-27-00
SNC NDE Level II/III Review <i>James Cordes</i> 1/III			Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review <i>CGW</i>		Date 3/27/00

Figure 3

Revision 4

SHARED

FARLEY NUCLEAR PLANT Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.39
Southern Nuclear Operating Company

Unit 1	Sketch/Component No. ALA1-1300-S14	Date 3/24/00	Sheet No. S00F1U183	Page 1 of 1
Procedure/Rev./TCN FNP-0-NDE-100.39 / 3 / N/A	Couplant/Batch No. SONOTRACE 40 / 94243	Thermometer SN/Cal Due Date 38081 / 8/27/2000	Linearity Sheet No. S00F1L009	

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	PANAMETRICS	Transducer Mfg.	PANAMETRICS	Cal. Blk. No.	ALA-36	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Serial No.	9210881	Serial No.	239864	Thickness	55 3/4								
Ax. dB	(1)	Circ. dB	(2)	Size	.50								
Ref.	(1)			Frequency/Mode	10 / L								
Scan	61			"A" Dimension	N/A								
Reject	OFF			Nominal Angle	0								
Frequency	6.0			Measured Angle	N/A								
Mode	P/E			Cable Type	RG174								
Damping	500 OHMS			Cable Length	6'								

Calibration Remarks:
 (1) OD NEAR NOTCH.
 (2) OD FAR NOTCH.

Comp. Temp.: **64°** °F Configuration: **REACTOR VESSEL STUDS** Wo Location **N/A** Lo Location **N/A**

Scan Dir.	Results			Ind. No.	% DAC	Length			Reference Measurement			Sweep Position			Thickness			Notes:
	NI	NRI	RI			L1	Lmax	L2	W1	Wmax	W2	S1	Smax	S2	1" <--	C/L	--> 1"	
*				N/A														

Examination/Limitation Remarks: * EXAMINATION PERFORMED FROM TOP AND BOTTOM OF STUDS TO ACHIEVE 100% COVERAGE DUE TO HEAD CONFIGURATION/LIMITATION.

Total Length of Weld	Crown Width	Total Length of Weld Examined				Extent of Perpendicular Scans (W)				Extent of Parallel Scans (L)										
N/A	N/A	5 (L)	N/A	2 (L)	N/A	7 & 8 (W)	N/A	5 - from	N/A	to	N/A	2 - from	N/A	to	N/A	From (5)	N/A	to	(2)	N/A
Primary Examiner		Level				Assistant Examiner				Level				Non-Technical Review				Date		
JOSEPH D. FUNYAK		II				N/A				N/A				J. E. W. Aycock				3-25-00		
SNC NDE Level II/III Review		Date				Percentage of Code Coverage				Date				Date						
		3-27-00				100 %				3/27/00				3/27/00						

Figure 1

Revision 7

SHARED

FNP-0-NDE-100.11

MT-F-Form 002

Farley Nuclear Plant

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S14	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M021	Page 1 of 1
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 65 ° F		<u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A		<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A
Component Configuration REACTOR VESSEL STUDS			% of Length Coverage 100%	Date 3/24/00
			% of Area Coverage 100%	
Ind. No.	Results	Indication Desc. / Exam Limitations / etc.	Remarks	
N/A	NI	N/A	NONE	

Remarks: **BLACKLIGHT CHECK 0808 & 1008 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>JOFF</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>CK</i>	Non-Technical Review <i>J. Eric O'Leary</i>	Date 3-27-00
SNC NDE Level II/III Review <i>Dany Cordes L/III</i>			Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review <i>CFW</i>		Date 3/27/00

Figure 3

Revision 4

SHARED

FARLEY NUCLEAR PLANT Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.39

Southern Nuclear Operating Company

Unit 1	Sketch/Component No. ALA1-1300-S15	Date 3/24/00	Sheet No. S00F1U184	Page 1 of 1
Procedure/Rev./TCN FNP-0-NDE-100.39 / 3 / N/A		Couplant/Batch No. SONOTRACE 40 / 94243		Thermometer SN/Cal Due Date 38081 / 8/27/2000
			Linearity Sheet No. S00F1L009	

Instrument			Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	PANAMETRICS		Transducer Mfg.	PANAMETRICS	Cal. Blk. No.	ALA-36								
Serial No.	9210881		Serial No.	239864	Thickness	55 3/4	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Ax. dB	Circ. dB	Size			Cal. Temp.	62°	(1) 7.6	50/80	6.22	N/A				
Ref.	(1)	(2)	Frequency/Mode	10 / L	Cal. In	1320	(2) 54.25	50/80	7.80	N/A				
Scan	61	66	"A" Dimension	N/A	Cal. Chk.	N/A	Calibration Remarks: (1) OD NEAR NOTCH. (2) OD FAR NOTCH.							
Reject	OFF		Nominal Angle	0	Cal. Out	1525								
Frequency	6.0		Measured Angle	N/A	Ref. Blk. No.	N/A								
Mode	P/E		Cable Type	RG174	Reflector	N/A								
Damping	500 OHMS		Cable Length	6'	Amplitude/Sweep	N/A								

Comp. Temp.: **64°** °F Configuration: **REACTOR VESSEL STUDS** Wo Location **N/A** Lo Location **N/A**

Scan Dir.	Results			Ind. No.	% DAC	L1	Length		Reference Measurement			Sweep Position			Thickness			Notes:
	NI	NRI	RI				Lmax	L2	W1	Wmax	W2	S1	Smax	S2	1" < --	C/L	-- > 1"	
*																		

Examination/Limitation Remarks: * EXAMINATION PERFORMED FROM TOP AND BOTTOM OF STUDS TO ACHIEVE 100% COVERAGE DUE TO HEAD CONFIGURATION/LIMITATION.

Total Length of Weld	Crown Width	Total Length of Weld Examined				Extent of Perpendicular Scans (W)				Extent of Parallel Scans (L)										
N/A	N/A	5 (L)	N/A	2 (L)	N/A	7 & 8 (W)	N/A	5 - from	N/A	to	N/A	2 - from	N/A	to	N/A	From (5)	N/A	to	(2)	N/A
Primary Examiner		Level		Assistant Examiner				Level		Non-Technical Review				Date						
JOSEPH D. FUNYAK		II		N/A				N/A		J. Eric Depock				3-25-00						
SNO NDE Level II/III Review		Date		Percentage of Code Coverage				Date		Date				Date						
Samy Canda		3-27-00		100 %				3-27-00		14 March				3/27/00						

Figure 1

Revision 7

SHARED

FNP-0-NDE-100.11

MT-F-Form 002

Farley Nuclear Plant

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S15	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M022	Page 1 of 1
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 65 ° F		<u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A		<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A
Component Configuration REACTOR VESSEL STUDS			% of Length Coverage 100%	Date 3/24/00
			% of Area Coverage 100%	
Ind. No.	Results	Indication Desc. / Exam Limitations / etc.	Remarks	
N/A	NI	N/A	NONE	

Remarks: **BLACKLIGHT CHECK 0808 & 1008 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>[Signature]</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>[Signature]</i>	Non-Technical Review <i>[Signature]</i>	Date 3-27-00
SNC NDE Level II/III Review <i>[Signature]</i> L/III			Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review <i>[Signature]</i>		Date 3/27/00

Figure 3

Revision 4

SHARED

FARLEY NUCLEAR PLANT Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.39
Southern Nuclear Operating Company

Unit 1	Sketch/Component No. ALA1-1300-S16	Date 3/24/00	Sheet No. S00F1U185
Procedure/Rev./TCN FNP-0-NDE-100.39 / 3 / N/A	Couplant/Batch No. SONOTRACE 40 / 94243	Thermometer SN/Cal Due Date 38081 / 8/27/2000	Linearity Sheet No. S00F1L009

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	PANAMETRICS	Transducer Mfg.	PANAMETRICS	Cal. Blk. No.	ALA-36	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Serial No.	9210881	Serial No.	239864	Thickness	55 3/4								
Ax. dB		Circ. dB		Cal. Temp.	62°	(1) 7.6	50/80	6.22	N/A				
Ref.	(1)	(2)		Cal. In	1320	(2) 54.25	50/80	7.80	N/A				
Scan	61	66		Cal. Chk.	N/A								
Reject	OFF			Cal. Out	1525								
Frequency	6.0			Ref. Blk. No.	N/A	Calibration Remarks: (1) OD NEAR NOTCH. (2) OD FAR NOTCH.							
Mode	P/E			Reflector	N/A								
Damping	500 OHMS			Amplitude/Sweep	N/A								

Comp. Temp.: 64° °F Configuration: REACTOR VESSEL STUDS Wo Location N/A Lo Location N/A

Scan Dir.	NI	NRI	RI	Ind. No.	% DAC	L1	Length Lmax	L2	Reference Measurement W1	Wmax	W2	S1	Smax	S2	Thickness 1" < -- C/L -- > 1"	Notes:
*				N/A												

Examination/Limitation Remarks: * EXAMINATION PERFORMED FROM TOP AND BOTTOM OF STUDS TO ACHIEVE 100% COVERAGE DUE TO HEAD CONFIGURATION/LIMITATION.

Total Length of Weld N/A	Crown Width N/A	Total Length of Weld Examined 5 (L) N/A 2 (L) N/A 7 & 8 (W) N/A				Extent of Perpendicular Scans (W) 5 - from N/A to N/A 2 - from N/A to N/A				Extent of Parallel Scans (L) From (5) N/A to (2) N/A			
Primary Examiner JOSEPH D. FUNYAK		Level II		Assistant Examiner N/A				Level N/A		Non-Technical Review J. Eric Ryeck			
SNC NDE Level II/III Review Samy Carden		Date 3-27-00		Percentage of Code Coverage 100 %				Date 3/25/00		Date 3/24/00			

Figure 1

Revision 7

SHARED

FNP-0-NDE-100.11

MT-F-Form 002

Farley Nuclear Plant

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S16	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M023
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 65 ° F <u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A		<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A	
Component Configuration REACTOR VESSEL STUDS		% of Length Coverage 100%	Date 3/24/00
		% of Area Coverage 100%	
Ind. No.	Results	Indication Desc. / Exam Limitations / etc.	
N/A	NI	N/A	
		Remarks NONE	

Remarks: **BLACKLIGHT CHECK 0808 & 1008 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>JOE</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>CK</i>	Non-Technical Review <i>Eric Aycock</i>	Date 3-25-00
SNC NDE Level II/III Review <i>Danny Cordes</i> L/III			Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review <i>Clyde Kiehl</i>		Date 3/27/00

Figure 3

Revision 4

FARLEY NUCLEAR PLANT
Ultrasonic Calibration and Examination Record

SHARED

FNP-0-NDE-100.39
Southern Nuclear Operating Company

Unit **1** Sketch/Component No. **ALA1-1300-S17** Date **3/24/00** Sheet No. **S00F1U186**
 Procedure/Rev./TCN **FNP-0-NDE-100.39 / 3 / N/A** Couplant/Batch No. **SONOTRACE 40 / 94243** Thermometer SN/Cal Due Date **38081 / 8/27/2000** Linearity Sheet No. **S00F1L009** Page **1** of **1**

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	PANAMETRICS	Transducer Mfg.	PANAMETRICS	Cal. Blk. No.	ALA-36	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Serial No.	9210881	Serial No.	239864	Thickness	55 3/4	(1) 7.6	50/80	6.22	N/A				
Ax. dB		Circ. dB		Cal. Temp.	62°	(2) 54.25	50/80	7.80	N/A				
Ref.	(1)	(2)		Cal. In	1320								
Scan	61	66		Cal. Chk.	N/A								
Reject	OFF			Cal. Out	1525								
Frequency	6.0			Ref. Blk. No.	N/A								
Mode	P/E			Reflector	N/A								
Damping	500 OHMS			Amplitude/Sweep	N/A	Calibration Remarks: (1) OD NEAR NOTCH. (2) OD FAR NOTCH.							

Comp. Temp.: **64°** °F Configuration: **REACTOR VESSEL STUDS** Wo Location **N/A** Lo Location **N/A**

Scan Dir.	Results NI NRI RI	Ind. No.	% DAC	L1	Length Lmax	L2	Reference Measurement W1 Wmax W2	S1	Sweep Position Smax S2	Thickness 1" < -- C/L -- > 1"	Notes:
*											

Examination/Limitation Remarks: * EXAMINATION PERFORMED FROM TOP AND BOTTOM OF STUDS TO ACHIEVE 100% COVERAGE DUE TO HEAD CONFIGURATION/LIMITATION.

Total Length of Weld	Crown Width	Total Length of Weld Examined				Extent of Perpendicular Scans (W)				Extent of Parallel Scans (L)					
N/A	N/A	5 (L)	N/A	2 (L)	N/A	7 & 8 (W)	N/A	5 - from	N/A	to	N/A	2 - from	N/A	to	N/A
Primary Examiner		Level		Assistant Examiner				Level		Non-Technical Review					
JOSEPH D. FUNYAK		II		N/A				N/A		J. Eric DeLoach					
SNC NDE Level II/III Review		Date		Percentage of Code Coverage				Date		Date					
Dan Card		3-27-00		100 %				3-27-00		3-25-00					

Figure 1

Revision 7

SHARED

FNP-0-NDE-100.11

Farley Nuclear Plant

MT-F-Form 002

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S17	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M024	Page 1 of 1
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 65 ° F		<u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A		<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A
Component Configuration REACTOR VESSEL STUDS		% of Length Coverage 100%	Date 3/24/00	
% of Area Coverage 100%				
Ind. No. N/A	Results NI	Indication Desc. / Exam Limitations / etc. N/A		Remarks NONE

Remarks: **BLACKLIGHT CHECK 0808 & 1008 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>[Signature]</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>[Signature]</i>	Non-Technical Review <i>[Signature]</i>	Date 3-27-00
SNC NDE Level II/III Review <i>[Signature]</i> L/III		Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review <i>[Signature]</i>		Date 3/27/00	

Figure 3

Revision 4

FARLEY NUCLEAR PLANT
Ultrasonic Calibration and Examination Record

SHARED

FNP-0-NDE-100.39
Southern Nuclear Operating Company

Unit **1** Sketch/Component No. **ALA1-1300-S18** Date **3/24/00** Sheet No. **S00F1U187** Page **1** of **1**
 Procedure/Rev./TCN **FNP-0-NDE-100.39 / 3 / N/A** Couplant/Batch No. **SONOTRACE 40 / 94243** Thermometer SN/Cal Due Date **38081 / 8/27/2000** Linearity Sheet No. **S00F1L009**

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	PANAMETRICS	Transducer Mfg.	PANAMETRICS	Cal. Blk. No.	ALA-36	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Serial No.	92108811	Serial No.	239864	Thickness	55 3/4								
Ax. dB		Circ. dB		Cal. Temp.	62°	(1) 7.6	50/80	6.22	N/A				
Ref.	(1)	(2)	Size	.50	Cal. In	1320	(2) 54.25	50/80	7.80	N/A			
Scan	61	66	Frequency/Mode	10 / L	Cal. Chk.	N/A							
Reject	OFF		"A" Dimension	N/A	Cal. Out	1525							
Frequency	6.0		Nominal Angle	0	Cal. Blk. No.	N/A	Calibration Remarks: (1) OD NEAR NOTCH. (2) OD FAR NOTCH.						
Mode	P/E		Measured Angle	N/A	Reflector	N/A							
Damping	500 OHMS		Cable Type	RG174	Amplitude/Sweep	N/A							
			Cable Length	6'									

Comp. Temp.: **64°** °F Configuration: **REACTOR VESSEL STUDS** Wo Location **N/A** Lo Location **N/A**

Scan Dir.	Results NI NRI RI	Ind. No.	% DAC	Length L1 Lmax L2	Reference Measurement W1 Wmax W2	Sweep Position S1 Smax S2	Thickness 1" < -- C/L -- > 1"	Notes:
*								

Examination/Limitation Remarks: * EXAMINATION PERFORMED FROM TOP AND BOTTOM OF STUDS TO ACHIEVE 100% COVERAGE DUE TO HEAD CONFIGURATION/LIMITATION.

Total Length of Weld	Crown Width	Total Length of Weld Examined				Extent of Perpendicular Scans (W)				Extent of Parallel Scans (L)										
N/A	N/A	5 (L)	N/A	2 (L)	N/A	7 & 8 (W)	N/A	5 - from	N/A	to	N/A	2 - from	N/A	to	N/A	From (5)	N/A	to	(2)	N/A
Primary Examiner		Level		Assistant Examiner		Level		Non-Technical Review		Date		Date		Date		Date		Date		
JOSEPH D. FUNYAK		II		N/A		N/A		JOSEPH D. FUNYAK		3-25-00		3-27-00		3-27-00		3-27-00		3-27-00		
SNC NDE Level II/III Review		Date		Percentage of Code Coverage		Date		Date		Date		Date		Date		Date		Date		
3-27-00		3-27-00		100 %		3-27-00		3-27-00		3-27-00		3-27-00		3-27-00		3-27-00		3-27-00		

Figure 1

Revision 7

SHARED

FNP-0-NDE-100.11

MT-F-Form 002

Farley Nuclear Plant

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S18	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M025	Page <u>1</u> of <u>1</u>
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 65 ° F		<u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A		<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A
Component Configuration REACTOR VESSEL STUDS			% of Length Coverage 100%	Date 3/24/00
			% of Area Coverage 100%	
Ind. No.	Results	Indication Desc. / Exam Limitations / etc.	Remarks	
N/A	NI	N/A	NONE	

Remarks: **BLACKLIGHT CHECK 0808 & 1008 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>JD</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>ck</i>	Non-Technical Review <i>J. Eric Ryback</i>	Date 3-27-00
SNC NDE Level II/III Review <i>Dan Corda L III</i>			Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review <i>cgk</i>		Date 3/27/00

Figure 3

Revision 4

SHARED

FARLEY NUCLEAR PLANT Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.39
Southern Nuclear Operating Company

Unit 1	Sketch/Component No. ALA1-1300-S19	Date 3/24/00	Sheet No. S00F1U188	Page 1 of 1
Procedure/Rev./TCN FNP-0-NDE-100.39 / 3 / N/A	Couplant/Batch No. SONOTRACE 40 / 94243	Thermometer SN/Cal Due Date 38081 / 8/27/2000	Linearity Sheet No. S00F1L009	

Instrument			Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	PANAMETRICS		Transducer Mfg.	PANAMETRICS	Cal. Blk. No.	ALA-36								
Serial No.	9210881		Serial No.	239864	Thickness	55 3/4	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Ax. dB	Circ. dB	Size			Cal. Temp.	62°	(1) 7.6	50/80	6.22	N/A				
Ref.	(1)	(2)	Frequency/Mode	10 / L	Cal. In	1320	(2) 54.25	50/80	7.80	N/A				
Scan	61	66	"A" Dimension	N/A	Cal. Chk.	N/A								
Reject	OFF		Nominal Angle	0	Cal. Out	1525								
Frequency	6.0		Measured Angle	N/A	Ref. Blk. No.	N/A								
Mode	P/E		Cable Type	RG174	Reflector	N/A								
Damping	500 OHMS		Cable Length	6'	Amplitude/Sweep	N/A								

Calibration Remarks:
 (1) OD NEAR NOTCH.
 (2) OD FAR NOTCH.

Comp. Temp.: **64°** °F Configuration: **REACTOR VESSEL STUDS** Wo Location **N/A** Lo Location **N/A**

Scan Dir.	Results			Ind. No.	% DAC	Length			Reference Measurement			Sweep Position			Thickness			Notes:
	NI	NRI	RI			L1	Lmax	L2	W1	Wmax	W2	S1	Smax	S2	1" <--	C/L	-- > 1"	
*																		

Examination/Limitation Remarks: * EXAMINATION PERFORMED FROM TOP AND BOTTOM OF STUDS TO ACHIEVE 100% COVERAGE DUE TO HEAD CONFIGURATION/LIMITATION.

Total Length of Weld N/A	Crown Width N/A	Total Length of Weld Examined				Extent of Perpendicular Scans (W)				Extent of Parallel Scans (L)										
		5 (L)	N/A	2 (L)	N/A	7 & 8 (W)	N/A	5 - from	N/A	to	N/A	2 - from	N/A	to	N/A	From (5)	N/A	to	(2)	N/A
Primary Examiner JOSEPH D. FUNYAK		Level II		Assistant Examiner N/A				Level N/A		Non-Technical Review <i>[Signature]</i>				Date 3-25-00						
SNC NDE Level II/III Review <i>[Signature]</i>		Date 3-27-00		Percentage of Code Coverage 100 %				ANII Review <i>[Signature]</i>				Date 3/27/00								

Figure 1

Revision 7

SHARED

FNP-0-NDE-100.11

MT-F-Form 002

Farley Nuclear Plant

Magnetic Particle Examination Record

Southern Nuclear Operating Company

Unit 1	Component No. ALA1-1300-S19	Procedure/Rev./TCN FNP-0-NDE-100.11 / 4 / N/A	Sheet No. S00F1M026	Page <u>1</u> of <u>1</u>
<u>Thermometer</u> Mfg./Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 65 ° F		<u>Magnetizing Yoke</u> Mfg.: MAGNAFLUX Power AC Serial No: A999048 Pole Spacing: 6" Field Indicator S/N: 0007 Field Indicator Acceptable [Y/N] N/A		<u>MT Materials</u> Mfg.: MAGNAFLUX Batch Number: 96F02K Color: 14AM Type: N/A
Component Configuration REACTOR VESSEL STUDS			% of Length Coverage 100%	Date 3/24/00
			% of Area Coverage 100%	
Ind. No.	Results	Indication Desc. / Exam Limitations / etc.	Remarks	
N/A	NI	N/A	NONE	

Remarks: **BLACKLIGHT CHECK 0808 & 1008 / COIL SN-92627 / LIGHT METER SN 32623 / BLACK LIGHT INTENSITY > 800uW/cm2
FIELD INDICATOR VERIFIED FOR COIL.**

Primary Examiner JOSEPH D. FUNYAK	ASNT Level II	Initials <i>JDF</i>	Assistant Examiner CLYDE KIEHL	ASNT Level II	Initials <i>CK</i>	Non-Technical Review <i>J. Eric Dyck</i>	Date 3-27-00
SNC NDE Level II/III Review <i>Dan Cordes LHC</i>			Date 3-27-00	Percentage of Code Coverage 100 %	ANII Review <i>CG Ward</i>		Date 3/27/00

Figure 3

Revision 4

SHARED

FARLEY NUCLEAR PLANT

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

FN-P-0-NDE-100.21

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-N01	Drawing Number ALA1-1300	Sheet No. S00F1V026
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV		Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge	
		WOWA N/A Procedure No. FN-P-0-NDE-100.21 Revision No. 1 Examiner/Initial JOSEPH D. FUNYAK Sig. <i>[Signature]</i> Examiner/Initial N/A Sig. _____ Date (Month/Day/Year) 3/16/00	
		Level II Level N/A	

WELDS & BASE MATERIAL VT-1	Sat	Un-Sat	N/A	BOLTS, STUDS, AND WASHERS VT-1	Sat	Un-Sat	N/A
Ground Blend Material	☐	☐	☐	Loose Members	☐	☐	☒
Undercut	☐	☐	☐	Cracks	☒	☐	☐
Corrosion Build-Up	☐	☐	☐	Corrosion	☒	☐	☐
Gouges	☐	☐	☐	Gouges	☒	☐	☐
Evidence of Leakage	☐	☐	☐	Thread Damage	☒	☐	☐
Arc Strikes	☐	☐	☐	Deformation	☐	☐	☒
Cracks	☐	☐	☐	Protective Coating	☐	☐	☒
Other**	☐	☐	☐	Evidence of Leakage	☐	☐	☒
				Other **	☐	☐	☒

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

[Signature] L/III 3-17-00

ANII REVIEW: *[Signature]* 3/15/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

FNP-0-NDE-100.21

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-N02	Drawing Number ALA1-1300	Sheet No. S00F1V027
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment		Tools	
☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	☒ Scale ☐ Micrometer ☐ Caliper ☐ Depth Gauge ☐ Comparator ☐ Weld Gauge	Level _____ _____
		WO/WA N/A Procedure No. FNP-0-NDE-100.21 Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>JD Funyak</i>	Level II
		Examiner/Initial N/A Sig. _____	Level N/A
		Date (Month/Day/Year) 3/16/00	

WELDS & BASE MATERIAL VT-1

Ground Blend Material
Undercut
Corrosion Build-Up
Gouges
Evidence of Leakage
Arc Strikes
Cracks
Other**

	Sat	Un-Sat	N/A
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
Cracks
Corrosion
Gouges
Thread Damage
Deformation
Protective Coating
Evidence of Leakage
Other **

	Sat	Un-Sat	N/A
	☐	☐	☐
	☒	☐	☐
	☒	☐	☐
	☒	☐	☐
	☒	☐	☐
	☒	☐	☐
	☒	☐	☐
	☒	☐	☐
	☒	☐	☐
	☒	☐	☐

Comments

Danny Cordes L/III 3-17-00

ANTI REVIEW: CG Ward 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FNP-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-N03	Drawing Number ALA1-1300	Sheet No. S00F1V028
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV		Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge	
Lighting ☐ Ambient ☒ Flashlight ☐ Droplight		WOWA N/A	
		Procedure No. FNP-0-NDE-100.21	
		Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>JD Funyak</i>	Level II
		Examiner/Initial N/A Sig.	Level
		Date (Month/Day/Year) 3/16/00	

WELDS & BASE MATERIAL VT-1

Ground Blend Material
Undercut
Corrosion Build-Up
Gouges
Evidence of Leakage
Arc Strikes
Cracks
Other**

Sat	Un-Sat	N/A
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
Cracks
Corrosion
Gouges
Thread Damage
Deformation
Protective Coating
Evidence of Leakage
Other **

Sat	Un-Sat	N/A
☐	☐	☒
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☒
☒	☐	☒
☒	☐	☒
☒	☐	☒

Comments

Danny Cordes LIII 3-17-00

AND REVIEW: CG Ward 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

FNP-0-NDE-100.21

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-N04	Drawing Number ALA1-1300	Sheet No. S00F1V029
Photos Yes ☐ B/W No ☒ Color	Sketch Yes ☐ No ☒	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote Video
Equipment		Tools	
☒ Mirror ☐ Magnifier ☐ CCTV	Lighting Ambient ☐ ☒ Flashlight Droplight ☐	☒ Scale ☐ Micrometer ☐ Caliper	☐ Depth Gauge ☐ Comparator ☐ Weld Gauge Level _____
		WO/WA N/A Procedure No. FNP-0-NDE-100.21 Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>Joe Funyak</i>	Level II
		Examiner/Initial N/A Sig. _____	Level N/A
		Date (Month/Day/Year) 3/16/00	

WELDS & BASE MATERIAL VT-1

Ground Blend Material
 Undercut
 Corrosion Build-Up
 Gouges
 Evidence of Leakage
 Arc Strikes
 Cracks
 Other**

Sat	Un-Sat	N/A
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
 Cracks
 Corrosion
 Gouges
 Thread Damage
 Deformation
 Protective Coating
 Evidence of Leakage
 Other **

Sat	Un-Sat	N/A
☐	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

Comments

Danny Cordis LIII 3-17-00

ANII REVIEW: C. Ward 3/18/00

Figure 1

Revision 1

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FARLEY NUCLEAR PLANT

FNP-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-N05	Drawing Number ALA1-1300	Sheet No. S00F1V030
Photos Yes ☐ B/W No ☒ Color	Sketch Yes ☐ No ☒	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote Video
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV		Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge	
		WOWA N/A	
		Procedure No. FNP-0-NDE-100.21	
		Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>J.D. Funyak</i>	Level II
		Examiner/Initial N/A Sig.	Level N/A
		Date (Month/Day/Year) 3/16/00	

WELDS & BASE MATERIAL VT-1

Ground Blend Material
 Undercut
 Corrosion Build-Up
 Gouges
 Evidence of Leakage
 Arc Strikes
 Cracks
 Other**

Sat	Un-Sat	N/A
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
 Cracks
 Corrosion
 Gouges
 Thread Damage
 Deformation
 Protective Coating
 Evidence of Leakage
 Other **

Sat	Un-Sat	N/A
☐	☐	☒
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☒
☐	☐	☒
☐	☐	☒
☐	☐	☒

Comments

Long Cards L/III 3-17-00

ANZI REVIEW: CGW 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

FNP-0-NDE-100.21

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1		Line Number/Examination Area/Weld No. ALA1-1300-N06		Drawing Number ALA1-1300		Sheet No. S00F1V031		
Photos Yes ☐ B/W No ☒ Color		Sketch Yes ☐ No ☒	Resolution 1/32" Division (Scale) ☐ 1/32" Line (Gray Card) ☒	Technique Direct ☒ Remote ☐ Video ☐		WO/WA N/A		
						Procedure No. FNP-0-NDE-100.21		
						Revision No. 1		
Equipment Mirror ☒ Magnifier ☐ CCTV ☐		Lighting Ambient ☐ Flashlight ☒ Droplight ☐	Tools Scale ☒ Micrometer ☐ Caliper ☐		Depth Gauge ☐ Comparator ☐ Weld Gauge ☐	Level ☐	Examiner/Initial JOSEPH D. FUNYAK Sig. <i>JD Funyak</i>	Level II
						Examiner/Initial N/A Sig. _____		Level N/A
						Date (Month/Day/Year) 3/16/00		

	Sat	Un-Sat	N/A		Sat	Un-Sat	N/A
☒ WELDS & BASE MATERIAL VT-1 Ground Blend Material Undercut Corrosion Build-Up Gouges Evidence of Leakage Arc Strikes Cracks Other**	○	○	○	☒ BOLTS, STUDS, AND WASHERS VT-1 Loose Members Cracks Corrosion Gouges Thread Damage Deformation Protective Coating Evidence of Leakage Other **	○	○	○

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

Dan Cordis LITE 3-17-00

AND REVIEW : Cgk and 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FNP-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-N07	Drawing Number ALA1-1300	Sheet No. S00F1V032
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment		Tools	
☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	☒ Scale ☐ Micrometer ☐ Caliper ☐ Depth Gauge ☐ Comparator ☐ Weld Gauge	Level _____ _____
Examiner/Initial JOSEPH D. FUNYAK		Level	
Sig. <i>JD Funyak</i>		II	
Examiner/Initial N/A		Level	
Sig. _____		N/A	
Date (Month/Day/Year)		3/16/00	

WELDS & BASE MATERIAL VT-1

Ground Blend Material
Undercut
Corrosion Build-Up
Gouges
Evidence of Leakage
Arc Strikes
Cracks
Other**

	Sat	Un-Sat	N/A
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
Cracks
Corrosion
Gouges
Thread Damage
Deformation
Protective Coating
Evidence of Leakage
Other **

	Sat	Un-Sat	N/A
	☐	☐	☒
	☒	☐	☐
	☒	☐	☐
	☒	☐	☐
	☒	☐	☐
	☒	☐	☒
	☒	☐	☒
	☒	☐	☒
	☒	☐	☒
	☒	☐	☒

Comments

Dan Cardo LTH 3-17-00

ANTI REVIEW: CFWand 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

FNPF-0-NDE-100.21

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-N08	Drawing Number ALA1-1300	Sheet No. S00F1V033
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment		Tools	
☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	☒ Scale ☐ Micrometer ☐ Caliper	☐ Depth Gauge ☐ Comparator ☐ Weld Gauge ☐ Level
		WO/WA N/A	
		Procedure No. FNPF-0-NDE-100.21	
		Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>JDF</i>	
		Examiner/Initial N/A Sig. _____	
		Date (Month/Day/Year) 3/16/00	
		Level II	
		Level N/A	

WELDS & BASE MATERIAL VT-1	Sat	Un-Sat	N/A	BOLTS, STUDS, AND WASHERS VT-1	Sat	Un-Sat	N/A
Ground Blend Material	☐	☐	☐	Loose Members	☐	☐	☐
Undercut	☐	☐	☐	Cracks	☒	☐	☐
Corrosion Build-Up	☐	☐	☐	Corrosion	☒	☐	☐
Gouges	☐	☐	☐	Gouges	☒	☐	☐
Evidence of Leakage	☐	☐	☐	Thread Damage	☒	☐	☐
Arc Strikes	☐	☐	☐	Deformation	☐	☐	☐
Cracks	☐	☐	☐	Protective Coating	☐	☐	☐
Other**	☐	☐	☐	Evidence of Leakage	☐	☐	☐
				Other **	☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

Dan Cardo LIII 3-17-00

ANTI REVIEW: C. G. Ward 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FNP-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-N09	Drawing Number ALA1-1300	Sheet No. S00F1V034
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV		Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge
		WO/WA N/A	
		Procedure No. FNP-0-NDE-100.21	
		Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>JDF</i>	Level II
		Examiner/Initial N/A Sig.	Level N/A
		Date (Month/Day/Year) 3/16/00	

WELDS & BASE MATERIAL VT-1

Ground Blend Material
Undercut
Corrosion Build-Up
Gouges
Evidence of Leakage
Arc Strikes
Cracks
Other**

	Sat	Un-Sat	N/A
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
Cracks
Corrosion
Gouges
Thread Damage
Deformation
Protective Coating
Evidence of Leakage
Other **

	Sat	Un-Sat	N/A
	☐	☐	☒
	☒	☐	☐
	☒	☐	☐
	☒	☐	☐
	☒	☐	☐
	☒	☐	☒
	☐	☐	☒
	☐	☐	☒
	☐	☐	☒

Comments

Dan Cordes L/TLE 3-17-00

ANTI REVISION: CGW and 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FNP-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-N10	Drawing Number ALA1-1300	Sheet No. S00F1V035
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV		Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge	
Lighting ☐ Ambient ☒ Flashlight ☐ Droplight		WO/WA N/A	
		Procedure No. FNP-0-NDE-100.21	
		Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>J D Funyak</i>	Level II
		Examiner/Initial N/A Sig.	Level N/A
		Date (Month/Day/Year) 3/16/00	

WELDS & BASE MATERIAL VT-1	Sat	Un-Sat	N/A	BOLTS, STUDS, AND WASHERS VT-1	Sat	Un-Sat	N/A
Ground Blend Material	☐	☐	☐	Loose Members	☐	☐	☒
Undercut	☐	☐	☐	Cracks	☒	☐	☐
Corrosion Build-Up	☐	☐	☐	Corrosion	☒	☐	☐
Gouges	☐	☐	☐	Gouges	☒	☐	☐
Evidence of Leakage	☐	☐	☐	Thread Damage	☒	☐	☐
Arc Strikes	☐	☐	☐	Deformation	☐	☐	☒
Cracks	☐	☐	☐	Protective Coating	☐	☐	☒
Other**	☐	☐	☐	Evidence of Leakage	☐	☐	☒
	☐	☐	☐	Other **	☐	☐	☒

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

Don Corda L/TU 3-17-00

ANTI REVIEW: C. J. Ward 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FNP-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-N11	Drawing Number ALA1-1300	Sheet No. S00F1V036
Photos Yes ☐ B/W No ☒ Color	Sketch Yes ☐ No ☒	Resolution 1/32" Division (Scale) ☐ 1/32" Line (Gray Card) ☒	Technique Direct ☒ Video ☐ Remote ☐
Equipment		Tools	
☒ Mirror ☐ Magnifier ☐ CCTV	Lighting Ambient ☐ Flashlight ☒ Droplight ☐	☒ Scale ☐ Micrometer ☐ Caliper	☐ Depth Gauge ☐ Comparator ☐ Weld Gauge ☐ Level
		WOWA N/A Procedure No. FNP-0-NDE-100.21 Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>JD Funyak</i> Examiner/Initial N/A Sig. _____ Date (Month/Day/Year) 3/16/00	
		Level II Level N/A	

WELDS & BASE MATERIAL VT-1	Sat	Un-Sat	N/A	BOLTS, STUDS, AND WASHERS VT-1	Sat	Un-Sat	N/A
Ground Blend Material	☐	☐	☐	Loose Members	☐	☐	☒
Undercut	☐	☐	☐	Cracks	☒	☐	☐
Corrosion Build-Up	☐	☐	☐	Corrosion	☒	☐	☐
Gouges	☐	☐	☐	Gouges	☒	☐	☐
Evidence of Leakage	☐	☐	☐	Thread Damage	☒	☐	☐
Arc Strikes	☐	☐	☐	Deformation	☐	☐	☒
Cracks	☐	☐	☐	Protective Coating	☐	☐	☒
Other**	☐	☐	☐	Evidence of Leakage	☐	☐	☒
				Other **	☐	☐	☒

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

Danny Cordes LTR 3-17-00

ANTI REVIEW: C. Ward 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FN-P-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-N12	Drawing Number ALA1-1300	Sheet No. S00F1V037
Photos ☐ Yes B/W ☒ No Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment		Tools	
☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	☒ Scale ☐ Micrometer ☐ Caliper ☐ Depth Gauge ☐ Comparator ☐ Weld Gauge ☐ Level	WO/WA N/A Procedure No. FN-P-0-NDE-100.21 Revision No. 1
		Examiner/Initial Sig. <i>J.D. Funyak</i>	Level II
		Examiner/Initial N/A Sig.	Level N/A
		Date (Month/Day/Year) 3/16/00	

WELDS & BASE MATERIAL VT-1

Ground Blend Material
Undercut
Corrosion Build-Up
Gouges
Evidence of Leakage
Arc Strikes
Cracks
Other**

Sat	Un-Sat	N/A
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
Cracks
Corrosion
Gouges
Thread Damage
Deformation
Protective Coating
Evidence of Leakage
Other **

Sat	Un-Sat	N/A
☐	☐	☒
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐

Comments

Jay Cardo LTR 3-17-00

ANTI REVIEW: C. G. Ward 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FN-P-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-N13	Drawing Number ALA1-1300	Sheet No. S00F1V038
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment		Tools	
☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	☒ Scale ☐ Micrometer ☐ Caliper	☐ Depth Gauge ☐ Comparator ☐ Weld Gauge Level _____
		WOWA N/A Procedure No. FN-P-0-NDE-100.21 Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>JD Funyak</i>	Level II
		Examiner/Initial N/A Sig. _____	Level N/A
		Date (Month/Day/Year) 3/16/00	

WELDS & BASE MATERIAL VT-1

Ground Blend Material
Undercut
Corrosion Build-Up
Gouges
Evidence of Leakage
Arc Strikes
Cracks
Other**

Sat	Un-Sat	N/A
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
Cracks
Corrosion
Gouges
Thread Damage
Deformation
Protective Coating
Evidence of Leakage
Other **

Sat	Un-Sat	N/A
☐	☐	☒
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☐	☐	☒
☐	☐	☒
☐	☐	☒
☐	☐	☒

Comments

Dan Corda L/TTC 3-17-00

ANTI REVIEW: CG Ward 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

PNP-0-NDE-100.21

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-N14	Drawing Number ALA1-1300	Sheet No. S00F1V039
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV		Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge	
		WOWA N/A	
		Procedure No. FNP-0-NDE-100.21	
		Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>JDF</i>	Level II
		Examiner/Initial N/A Sig.	Level N/A
		Date (Month/Day/Year) 3/16/00	

	Sat	Un-Sat	N/A		Sat	Un-Sat	N/A
☐ WELDS & BASE MATERIAL VT-1				☒ BOLTS, STUDS, AND WASHERS VT-1			
Ground Blend Material	☐	☐	☐	Loose Members	☐	☐	☒
Undercut	☐	☐	☐	Cracks	☒	☐	☐
Corrosion Build-Up	☐	☐	☐	Corrosion	☒	☐	☐
Gouges	☐	☐	☐	Gouges	☒	☐	☐
Evidence of Leakage	☐	☐	☐	Thread Damage	☒	☐	☐
Arc Strikes	☐	☐	☐	Deformation	☐	☐	☒
Cracks	☐	☐	☐	Protective Coating	☐	☐	☒
Other**	☐	☐	☐	Evidence of Leakage	☐	☐	☒
				Other **	☐	☐	☒

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

Danny Cordo LTR 3-17-00

AND REVIEW: LGW 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

FN-0-NDE-100.21

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-N15	Drawing Number ALA1-1300	Sheet No. S00F1V040
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment		Tools	
☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	☒ Scale ☐ Micrometer ☐ Caliper	☐ Depth Gauge ☐ Comparator ☐ Weld Gauge ☐ Level
		WO/WA N/A Procedure No. FN-0-NDE-100.21 Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>JD Funyak</i>	Level II
		Examiner/Initial N/A Sig.	Level N/A
		Date (Month/Day/Year) 3/16/00	

WELDS & BASE MATERIAL VT-1	Sat	Un-Sat	N/A	BOLTS, STUDS, AND WASHERS VT-1	Sat	Un-Sat	N/A
Ground Blend Material	☐	☐	☐	Loose Members	☐	☐	☒
Undercut	☐	☐	☐	Cracks	☒	☐	☐
Corrosion Build-Up	☐	☐	☐	Corrosion	☒	☐	☐
Gouges	☐	☐	☐	Gouges	☒	☐	☐
Evidence of Leakage	☐	☐	☐	Thread Damage	☒	☐	☐
Arc Strikes	☐	☐	☐	Deformation	☐	☐	☒
Cracks	☐	☐	☐	Protective Coating	☐	☐	☒
Other**	☐	☐	☐	Evidence of Leakage	☐	☐	☒
				Other **	☐	☐	☒

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

Donny Cordas LIII 3-17-00

ANTI REVIEW: CG Ward 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

FNP-0-NDE-100.21

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-N16	Drawing Number ALA1-1300	Sheet No. S00F1V041
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment		Tools	
☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	☒ Scale ☐ Micrometer ☐ Caliper	☐ Depth Gauge ☐ Comparator ☐ Weld Gauge ☐ Level
		WO/WA N/A	
		Procedure No. FNP-0-NDE-100.21	
		Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>JD Funyak</i>	Level II
		Examiner/Initial N/A Sig.	Level N/A
		Date (Month/Day/Year) 3/16/00	

WELDS & BASE MATERIAL VT-1	Sat	Un-Sat	N/A	BOLTS, STUDS, AND WASHERS VT-1	Sat	Un-Sat	N/A
Ground Blend Material	☐	☐	☐	Loose Members	☐	☐	☐
Undercut	☐	☐	☐	Cracks	☒	☐	☐
Corrosion Build-Up	☐	☐	☐	Corrosion	☒	☐	☐
Gouges	☐	☐	☐	Gouges	☒	☐	☐
Evidence of Leakage	☐	☐	☐	Thread Damage	☒	☐	☐
Arc Strikes	☐	☐	☐	Deformation	☐	☐	☒
Cracks	☐	☐	☐	Protective Coating	☐	☐	☒
Other**	☐	☐	☐	Evidence of Leakage	☐	☐	☒
	☐	☐	☐	Other **	☐	☐	☒

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

Don Cards LTR 3-17-00

ANTI REVIEW: Cg Wm 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

FNP-0-NDE-100.21

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-N17	Drawing Number ALA1-1300	Sheet No. S00F1V042
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote Video
Equipment		WO/WA	
☒ Mirror ☐ Magnifier ☐ CCTV		N/A	
Lighting		Procedure No.	
☐ Ambient ☒ Flashlight ☐ Droplight		FNP-0-NDE-100.21	
Tools		Revision No.	
☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge		1	
		Examiner/Initial	Level
		Sig. <i>JD Funyak</i>	II
		Examiner/Initial	Level
		Sig. N/A	N/A
		Date (Month/Day/Year)	
		3/16/00	

WELDS & BASE MATERIAL VT-1

Ground Blend Material
Undercut
Corrosion Build-Up
Gouges
Evidence of Leakage
Arc Strikes
Cracks
Other**

Sat	Un-Sat	N/A
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
Cracks
Corrosion
Gouges
Thread Damage
Deformation
Protective Coating
Evidence of Leakage
Other **

Sat	Un-Sat	N/A
☐	☐	☒
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐

Comments

Ray Corda L/TU 3-17-00

ANTI REVIEW: CgWard 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FNP-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-N18	Drawing Number ALA1-1300	Sheet No. S00F1V043
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV		Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge
		WO/WA N/A Procedure No. FNP-0-NDE-100.21 Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>JD Funyak</i>	Level II
		Examiner/Initial N/A Sig.	Level N/A
		Date (Month/Day/Year) 3/16/00	

WELDS & BASE MATERIAL VT-1	Sat	Un-Sat	N/A	BOLTS, STUDS, AND WASHERS VT-1	Sat	Un-Sat	N/A
Ground Blend Material	☐	☐	☐	Loose Members	☐	☐	☒
Undercut	☐	☐	☐	Cracks	☒	☐	☐
Corrosion Build-Up	☐	☐	☐	Corrosion	☒	☐	☐
Gouges	☐	☐	☐	Gouges	☒	☐	☐
Evidence of Leakage	☐	☐	☐	Thread Damage	☒	☐	☐
Arc Strikes	☐	☐	☐	Deformation	☐	☐	☒
Cracks	☐	☐	☐	Protective Coating	☐	☐	☒
Other**	☐	☐	☐	Evidence of Leakage	☐	☐	☒
				Other **	☐	☐	☒

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

Danny Cordes LTR 3-17-00

ANES REVIEW: C. G. Ward 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

FNP-0-NDE-100.21

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-N19	Drawing Number ALA1-1300	Sheet No. S00F1V044
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment		Tools	
☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	☒ Scale ☐ Micrometer ☐ Caliper	☐ Depth Gauge ☐ Comparator ☐ Weld Gauge Level _____ _____
		WO/WA N/A Procedure No. FNP-0-NDE-100.21 Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>[Signature]</i>	Level II
		Examiner/Initial N/A Sig. _____	Level N/A
		Date (Month/Day/Year) 3/16/00	

	Sat	Un-Sat	N/A		Sat	Un-Sat	N/A
☒ WELDS & BASE MATERIAL VT-1				☒ BOLTS, STUDS, AND WASHERS VT-1			
Ground Blend Material	☐	☐	☐	Loose Members	☐	☐	☒
Undercut	☐	☐	☐	Cracks	☒	☐	☐
Corrosion Build-Up	☐	☐	☐	Corrosion	☒	☐	☐
Gouges	☐	☐	☐	Gouges	☒	☐	☐
Evidence of Leakage	☐	☐	☐	Thread Damage	☒	☐	☐
Arc Strikes	☐	☐	☐	Deformation	☐	☐	☒
Cracks	☐	☐	☐	Protective Coating	☐	☐	☒
Other**	☐	☐	☐	Evidence of Leakage	☐	☐	☒
				Other **	☐	☐	☒

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

Lang Corda L/III 3-17-00

ANTI REVIEW: C. G. Ward 3/17/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FNP-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W01	Drawing Number ALA1-1300	Sheet No. S00F1V045
Photos ☐ Yes B/W ☒ No Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment		Tools	
☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	☒ Scale ☐ Micrometer ☐ Caliper	☐ Depth Gauge ☐ Comparator ☐ Weld Gauge ☐ Level
		WO/WA N/A Procedure No. FNP-0-NDE-100.21 Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>J.D. Funyak</i>	Level II
		Examiner/Initial N/A Sig.	Level N/A
		Date (Month/Day/Year) 3/16/00	

	Sat	Un-Sat	N/A		Sat	Un-Sat	N/A
☐ WELDS & BASE MATERIAL VT-1				☒ BOLTS, STUDS, AND WASHERS VT-1			
Ground Blend Material	☐	☐	☐	Loose Members	☐	☐	☒
Undercut	☐	☐	☐	Cracks	☒	☐	☐
Corrosion Build-Up	☐	☐	☐	Corrosion	☒	☐	☐
Gouges	☐	☐	☐	Gouges	☒	☐	☐
Evidence of Leakage	☐	☐	☐	Thread Damage	☐	☐	☒
Arc Strikes	☐	☐	☐	Deformation	☐	☐	☒
Cracks	☐	☐	☐	Protective Coating	☐	☐	☒
Other**	☐	☐	☐	Evidence of Leakage	☐	☐	☒
				Other **	☐	☐	☒

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

SNC Review:

J. Eric Rysock L-01 3-17-00

ANTI REVIEW: CGL/and 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FNP-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W02		Drawing Number ALA1-1300	Sheet No. S00F1V046
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video	WO/WA N/A
				Procedure No. FNP-0-NDE-100.21
				Revision No. 1
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>J. D. Funyak</i> Examiner/Initial N/A Sig. _____ Date (Month/Day/Year) 3/16/00
		Level II Level N/A		

WELDS & BASE MATERIAL VT-1

Ground Blend Material
Undercut
Corrosion Build-Up
Gouges
Evidence of Leakage
Arc Strikes
Cracks
Other**

	Sat	Un-Sat	N/A
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
Cracks
Corrosion
Gouges
Thread Damage
Deformation
Protective Coating
Evidence of Leakage
Other **

	Sat	Un-Sat	N/A
	☐	☐	☐
	☒	☐	☐
	☒	☐	☐
	☒	☐	☐
	☒	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐

Comments

SNC Review - J. Eric Repack J-III 3-17-00

ANTI REVIEW: C. G. Ward 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FNPF-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W03	Drawing Number ALA1-1300	Sheet No. S00F1V047
Photos ☐ Yes B/W ☒ No Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment		Tools	
☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	☒ Scale ☐ Micrometer ☐ Caliper ☐ Depth Gauge ☐ Comparator ☐ Weld Gauge	Level _____ _____
		WO/WA N/A Procedure No. FNPF-0-NDE-100.21 Revision No. 1 Examiner/Initial JOSEPH D. FUNYAK Sig. <i>JD Funyak</i> Examiner/Initial N/A Sig. _____ Date (Month/Day/Year) 3/16/00	
		Level II Level N/A	

WELDS & BASE MATERIAL VT-1

Ground Blend Material
Undercut
Corrosion Build-Up
Gouges
Evidence of Leakage
Arc Strikes
Cracks
Other**

Sat	Un-Sat	N/A
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
Cracks
Corrosion
Gouges
Thread Damage
Deformation
Protective Coating
Evidence of Leakage
Other **

Sat	Un-Sat	N/A
☐	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐

Comments

SNC Review - J. Eric O'Leary L-III 3-17-00

ANTI REVIEW: C. G. Hand 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FNP-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W04	Drawing Number ALA1-1300	Sheet No. S00F1V048
Photos Yes ☐ B/W No ☒ Color	Sketch Yes ☐ No ☒	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment		Tools	
☒ Mirror ☐ Magnifier ☐ CCTV	Lighting Ambient ☐ Flashlight ☒ Droplight ☐	☒ Scale ☐ Micrometer ☐ Caliper ☐ Depth Gauge ☐ Comparator ☐ Weld Gauge	Level ☐ _____ _____
		WOWA N/A Procedure No. FNP-0-NDE-100.21 Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>JD Funyak</i>	Level II
		Examiner/Initial N/A Sig. _____	Level N/A
		Date (Month/Day/Year) 3/16/00	

WELDS & BASE MATERIAL VT-1	Sat	Un-Sat	N/A	BOLTS, STUDS, AND WASHERS VT-1	Sat	Un-Sat	N/A
Ground Blend Material	☐	☐	☐	Loose Members	☐	☐	☒
Undercut	☐	☐	☐	Cracks	☒	☐	☐
Corrosion Build-Up	☐	☐	☐	Corrosion	☒	☐	☐
Gouges	☐	☐	☐	Gouges	☒	☐	☐
Evidence of Leakage	☐	☐	☐	Thread Damage	☐	☐	☒
Arc Strikes	☐	☐	☐	Deformation	☐	☐	☒
Cracks	☐	☐	☐	Protective Coating	☐	☐	☒
Other**	☐	☐	☐	Evidence of Leakage	☐	☐	☒
				Other **	☐	☐	☒

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

SNC Review - J. E. O'Connell 3-17-00

SNIE REVIEW: C. G. W. 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

FNP-0-NDE-100.21

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W05	Drawing Number ALA1-1300	Sheet No. S00F1V049
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video WO/WA N/A Procedure No. FNP-0-NDE-100.21 Revision No. 1
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge	Examiner/Initial JOSEPH D. FUNYAK Level Sig. <i>JD Funyak</i> II Examiner/Initial N/A Level Sig. N/A Date (Month/Day/Year) 3/16/00

WELDS & BASE MATERIAL VT-1

Ground Blend Material
Undercut
Corrosion Build-Up
Gouges
Evidence of Leakage
Arc Strikes
Cracks
Other**

Sat	Un-Sat	N/A
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
Cracks
Corrosion
Gouges
Thread Damage
Deformation
Protective Coating
Evidence of Leakage
Other **

Sat	Un-Sat	N/A
☐	☐	☒
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☐

Comments

SNC Review: J. Eric Quack 7 III 3-17-00

ANII Review: C. G. ... 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FNP-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W06	Drawing Number ALA1-1300	Sheet No. S00F1V050
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV		Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge	
		WOMA N/A	
		Procedure No. FNP-0-NDE-100.21	
		Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>J. D. Funyak</i>	
		Examiner/Initial N/A Sig. _____	
		Level II	
		Date (Month/Day/Year) 3/16/00	

WELDS & BASE MATERIAL VT-1

Ground Blend Material
Undercut
Corrosion Build-Up
Gouges
Evidence of Leakage
Arc Strikes
Cracks
Other**

Sat	Un-Sat	N/A
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
Cracks
Corrosion
Gouges
Thread Damage
Deformation
Protective Coating
Evidence of Leakage
Other **

Sat	Un-Sat	N/A
☐	☐	☒
☒	☐	☐
☒	☐	☐
☒	☐	☐
☐	☐	☒
☐	☐	☒
☐	☐	☒
☐	☐	☒
☐	☐	☒

Comments

SNC Review: J. Eric Depack I-III 3-17-00

ANTI REVIEW: C. G. Wood 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

FNPF-0-NDE-100.21

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W07	Drawing Number ALA1-1300	Sheet No. S00F1V051
Photos Yes ☐ B/W No ☒ Color	Sketch Yes ☐ No ☒	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote Video
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge	
		WO/WA N/A	
		Procedure No. FNPF-0-NDE-100.21	
		Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>J.D. Funyak</i>	Level II
		Examiner/Initial N/A Sig.	Level N/A
		Date (Month/Day/Year) 3/16/00	

WELDS & BASE MATERIAL VT-1

Ground Blend Material
Undercut
Corrosion Build-Up
Gouges
Evidence of Leakage
Arc Strikes
Cracks
Other**

	Sat	Un-Sat	N/A
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
Cracks
Corrosion
Gouges
Thread Damage
Deformation
Protective Coating
Evidence of Leakage
Other **

	Sat	Un-Sat	N/A
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐
	☐	☐	☐

Comments

SNC Review: J. Edw. Aspell J-III 3-17-00

ANR REVIEW: L. G. Ward 3/18/00

Figure 1

Revision 1

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FARLEY NUCLEAR PLANT

FN-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W08	Drawing Number ALA1-1300	Sheet No. S00F1V052
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video WO/WA N/A Procedure No. FN-0-NDE-100.21 Revision No. 1
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge	Examiner/Initial JOSEPH D. FUNYAK Sig. <i>JD Funyak</i> Examiner/Initial N/A Sig. _____ Date (Month/Day/Year) 3/16/00

WELDS & BASE MATERIAL VT-1	Sat	Un-Sat	N/A	BOLTS, STUDS, AND WASHERS VT-1	Sat	Un-Sat	N/A
Ground Blend Material	☐	☐	☐	Loose Members	☐	☐	☒
Undercut	☐	☐	☐	Cracks	☒	☐	☐
Corrosion Build-Up	☐	☐	☐	Corrosion	☒	☐	☐
Gouges	☐	☐	☐	Gouges	☒	☐	☐
Evidence of Leakage	☐	☐	☐	Thread Damage	☐	☐	☒
Arc Strikes	☐	☐	☐	Deformation	☐	☐	☒
Cracks	☐	☐	☐	Protective Coating	☐	☐	☒
Other**	☐	☐	☐	Evidence of Leakage	☐	☐	☒
	☐	☐	☐	Other **	☐	☐	☒

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

SNC Review: J. Eric Alcock 2nd 3-17-00

ANR Review: C. G. Ward 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

FNP-0-NDE-100.21

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W09	Drawing Number ALA1-1300	Sheet No. S00F1V053
Photos Yes B/W ☒ No Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☐ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote Video
Equipment		Tools	
☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	☒ Scale ☐ Micrometer ☐ Caliper ☐ Depth Gauge ☐ Comparator ☐ Weld Gauge	Level _____ _____
		WO/WA N/A	
		Procedure No. FNP-0-NDE-100.21	
		Revision No. 1	
		Examiner/Initial Sig. <i>JD Funyak</i>	Level II
		Examiner/Initial Sig. N/A	Level N/A
		Date (Month/Day/Year) 3/16/00	

WELDS & BASE MATERIAL VT-1

Ground Blend Material
 Undercut
 Corrosion Build-Up
 Gouges
 Evidence of Leakage
 Arc Strikes
 Cracks
 Other**

Sat	Un-Sat	N/A
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
 Cracks
 Corrosion
 Gouges
 Thread Damage
 Deformation
 Protective Coating
 Evidence of Leakage
 Other **

Sat	Un-Sat	N/A
☐	☐	☒
☒	☐	☐
☒	☐	☐
☒	☐	☐
☐	☐	☒
☐	☐	☒
☐	☐	☒
☐	☐	☒
☐	☐	☒

Comments

SNC Review - J. Eric Ruppel 2-III 3-17-00

AND REVIEW: LGWand 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FNP-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W10	Drawing Number ALA1-1300	Sheet No. S00F1V054
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Video ☐ Remote
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV		Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge	
Lighting ☐ Ambient ☒ Flashlight ☐ Droplight		WO/WA N/A Procedure No. FNP-0-NDE-100.21 Revision No. 1 Examiner/Initial JOSEPH D. FUNYAK Sig. <i>JD Funyak</i> Level II Examiner/Initial N/A Sig. Level N/A Date (Month/Day/Year) 3/16/00	

WELDS & BASE MATERIAL VT-1

Ground Blend Material
Undercut
Corrosion Build-Up
Gouges
Evidence of Leakage
Arc Strikes
Cracks
Other**

Sat	Un-Sat	N/A
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
Cracks
Corrosion
Gouges
Thread Damage
Deformation
Protective Coating
Evidence of Leakage
Other **

Sat	Un-Sat	N/A
☐	☐	☒
☒	☐	☐
☒	☐	☐
☒	☐	☐
☒	☐	☒
☐	☐	☒
☐	☐	☒
☐	☐	☒
☐	☐	☒

Comments

SNC Review - J. E. O'Connell L-III 3-17-00

DATE REVIEWED: 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FNP-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W11	Drawing Number ALA1-1300	Sheet No. S00F1V055
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV		Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge	
Lighting ☐ Ambient ☒ Flashlight ☐ Droplight		WO/WA N/A Procedure No. FNP-0-NDE-100.21 Revision No. 1 Examiner/Initial JOSEPH D. FUNYAK Sig. <i>J. D. Funyak</i> Examiner/Initial N/A Sig. _____ Date (Month/Day/Year) 3/16/00	
		Level II Level N/A	

WELDS & BASE MATERIAL VT-1

Ground Blend Material
Undercut
Corrosion Build-Up
Gouges
Evidence of Leakage
Arc Strikes
Cracks
Other**

Sat	Un-Sat	N/A
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
Cracks
Corrosion
Gouges
Thread Damage
Deformation
Protective Coating
Evidence of Leakage
Other **

Sat	Un-Sat	N/A
☐	☐	☒
☒	☐	☐
☒	☐	☐
☒	☐	☐
☐	☐	☒
☐	☐	☒
☐	☐	☒
☐	☐	☒
☐	☐	☒

Comments

SNC REVIEW - J. E. [Signature] 3-17-00

ANZI REVIEW: [Signature] 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

FNP-0-NDE-100.21

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W12	Drawing Number ALA1-1300	Sheet No. S00F1V056
Photos ☐ Yes B/W ☒ No Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment		Tools	
☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge	
		WO/WA N/A Procedure No. FNP-0-NDE-100.21 Revision No. 1 Examiner/Initial JOSEPH D. FUNYAK Sig. <i>[Signature]</i> Examiner/Initial N/A Sig. _____ Date (Month/Day/Year) 3/16/00	
		Level II Level N/A	

WELDS & BASE MATERIAL VT-1	Sat	Un-Sat	N/A	BOLTS, STUDS, AND WASHERS VT-1	Sat	Un-Sat	N/A
Ground Blend Material	☐	☐	☐	Loose Members	☐	☐	☒
Undercut	☐	☐	☐	Cracks	☒	☐	☐
Corrosion Build-Up	☐	☐	☐	Corrosion	☒	☐	☐
Gouges	☐	☐	☐	Gouges	☒	☐	☐
Evidence of Leakage	☐	☐	☐	Thread Damage	☐	☐	☒
Arc Strikes	☐	☐	☐	Deformation	☐	☐	☒
Cracks	☐	☐	☐	Protective Coating	☐	☐	☒
Other**	☐	☐	☐	Evidence of Leakage	☐	☐	☒
				Other **	☐	☐	☒

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

SNE Review - J. Eric Olycock 1-TIF 3-17-00

ANTI REVIEW: [Signature] 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

FNP-0-NDE-100.21

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W13	Drawing Number ALA1-1300	Sheet No. S00F1V057
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Video ☐ Remote
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV		Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	
Tools ☒ Scale ☐ Micrometer ☐ Caliper		Tools ☐ Depth Gauge ☐ Comparator ☐ Weld Gauge ☐ Level	
Examiner/Initial JOSEPH D. FUNYAK Sig. <i>[Signature]</i>		Level II	
Examiner/Initial N/A Sig. _____		Level N/A	
Date (Month/Day/Year) 3/16/00			

WELDS & BASE MATERIAL VT-1

Ground Blend Material
Undercut
Corrosion Build-Up
Gouges
Evidence of Leakage
Arc Strikes
Cracks
Other**

Sat	Un-Sat	N/A
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
Cracks
Corrosion
Gouges
Thread Damage
Deformation
Protective Coating
Evidence of Leakage
Other **

Sat	Un-Sat	N/A
☐	☐	☒
☒	☐	☐
☒	☐	☐
☒	☐	☐
☐	☐	☒
☐	☐	☒
☐	☐	☒
☐	☐	☒
☐	☐	☒
☐	☐	☒

Comments

SNC Review - J. E. O'Connell 3-17-00

ANAL REVIEW: C. G. [Signature] 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

FNP-0-NDE-100.21

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W14	Drawing Number ALA1-1300	Sheet No. S00F1V058
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☐ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment		Tools	
☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	☒ Scale ☐ Micrometer ☐ Caliper	☐ Depth Gauge ☐ Comparator ☐ Weld Gauge ☐ Level
		WO/WA N/A Procedure No. FNP-0-NDE-100.21 Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>JD Funyak</i>	Level II
		Examiner/Initial N/A Sig.	Level N/A
		Date (Month/Day/Year) 3/16/00	

	Sat	Un-Sat	N/A		Sat	Un-Sat	N/A
☐ WELDS & BASE MATERIAL VT-1				☒ BOLTS, STUDS, AND WASHERS VT-1			
Ground Blend Material	☐	☐	☐	Loose Members	☐	☐	☒
Undercut	☐	☐	☐	Cracks	☒	☐	☐
Corrosion Build-Up	☐	☐	☐	Corrosion	☒	☐	☐
Gouges	☐	☐	☐	Gouges	☒	☐	☐
Evidence of Leakage	☐	☐	☐	Thread Damage	☐	☐	☒
Arc Strikes	☐	☐	☐	Deformation	☐	☐	☒
Cracks	☐	☐	☐	Protective Coating	☐	☐	☒
Other**	☐	☐	☐	Evidence of Leakage	☐	☐	☒
				Other **	☐	☐	☒

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

SDC Review - J. G. Brock L1.09 3-17-00

ANDE REVIEW: L. G. Brock 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FNP-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W15	Drawing Number ALA1-1300	Sheet No. S00F1V059
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video WO/WA N/A Procedure No. FNP-0-NDE-100.21 Revision No. 1
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge	Examiner/Initial JOSEPH D. FUNYAK Sig. <i>JD Funyak</i> Level II Examiner/Initial N/A Sig. _____ Level N/A Date (Month/Day/Year) 3/16/00

WELDS & BASE MATERIAL VT-1

Ground Blend Material
Undercut
Corrosion Build-Up
Gouges
Evidence of Leakage
Arc Strikes
Cracks
Other**

Sat	Un-Sat	N/A
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

BOLTS, STUDS, AND WASHERS VT-1

Loose Members
Cracks
Corrosion
Gouges
Thread Damage
Deformation
Protective Coating
Evidence of Leakage
Other **

Sat	Un-Sat	N/A
☐	☐	☒
☒	☐	☐
☒	☐	☐
☒	☐	☐
☐	☐	☒
☐	☐	☒
☐	☐	☒
☐	☐	☒
☐	☐	☒
☐	☐	☒

Comments

SNC Review - J. Eric Olesch 3-17-00

ANTI REVIEW: CGH 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FNP-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W16	Drawing Number ALA1-1300	Sheet No. S00F1V060
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV		Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge	
Lighting ☐ Ambient ☒ Flashlight ☐ Droplight		WO/WA N/A Procedure No. FNP-0-NDE-100.21 Revision No. 1	
Examiner/Initial JOSEPH D. FUNYAK Sig. <i>Joe Funyak</i>		Level II	
Examiner/Initial N/A Sig. _____		Level N/A	
Date (Month/Day/Year) 3/16/00			

WELDS & BASE MATERIAL VT-1	Sat	Un-Sat	N/A	BOLTS, STUDS, AND WASHERS VT-1	Sat	Un-Sat	N/A
Ground Blend Material	☐	☐	☐	Loose Members	☐	☐	☒
Undercut	☐	☐	☐	Cracks	☒	☐	☐
Corrosion Build-Up	☐	☐	☐	Corrosion	☒	☐	☐
Gouges	☐	☐	☐	Gouges	☒	☐	☐
Evidence of Leakage	☐	☐	☐	Thread Damage	☐	☐	☒
Arc Strikes	☐	☐	☐	Deformation	☐	☐	☒
Cracks	☐	☐	☐	Protective Coating	☐	☐	☒
Other**	☐	☐	☐	Evidence of Leakage	☐	☐	☒
	☐	☐	☐	Other **	☐	☐	☒

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

SNC Review of Eric Orsini III 3-17-00

ANII Review: LG Ward 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FNP-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W17	Drawing Number ALA1-1300	Sheet No. S00F1V061
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment		Tools	
☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	☒ Scale ☐ Micrometer ☐ Caliper	☐ Depth Gauge ☐ Comparator ☐ Weld Gauge ☐ Level
		WO/WA N/A Procedure No. FNP-0-NDE-100.21 Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>JD Funyak</i> Examiner/Initial N/A Sig. _____ Date (Month/Day/Year) 3/16/00	
		Level II Level N/A	

WELDS & BASE MATERIAL VT-1	Sat	Un-Sat	N/A	BOLTS, STUDS, AND WASHERS VT-1	Sat	Un-Sat	N/A
Ground Blend Material	☐	☐	☐	Loose Members	☐	☐	☒
Undercut	☐	☐	☐	Cracks	☒	☐	☐
Corrosion Build-Up	☐	☐	☐	Corrosion	☒	☐	☐
Gouges	☐	☐	☐	Gouges	☒	☐	☐
Evidence of Leakage	☐	☐	☐	Thread Damage	☐	☐	☒
Arc Strikes	☐	☐	☐	Deformation	☐	☐	☒
Cracks	☐	☐	☐	Protective Coating	☐	☐	☒
Other**	☐	☐	☐	Evidence of Leakage	☐	☐	☒
				Other **	☐	☐	☒

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

SNC Review - J. Edw. Depack 2-11-00 3-17-00

ANII REVIEW: C. Ward 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

FNP-0-NDE-100.21

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W18	Drawing Number ALA1-1300	Sheet No. S00F1V062
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote Video
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV		Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge
		WO/WA N/A	Procedure No. FNP-0-NDE-100.21
		Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>[Signature]</i>	Level II
		Examiner/Initial N/A Sig.	Level N/A
		Date (Month/Day/Year) 3/16/00	

WELDS & BASE MATERIAL VT-1	Sat	Un-Sat	N/A	BOLTS, STUDS, AND WASHERS VT-1	Sat	Un-Sat	N/A
Ground Blend Material				Loose Members			
Undercut				Cracks			
Corrosion Build-Up				Corrosion			
Gouges				Gouges			
Evidence of Leakage				Thread Damage			
Arc Strikes				Deformation			
Cracks				Protective Coating			
Other**				Evidence of Leakage			
				Other **			

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

SNC Review - J. Eric Olyock III 3/17-00

AND REVIEW: CGH and 3/18/00

Figure 1

Revision 1

SHARED

FARLEY NUCLEAR PLANT

FNP-0-NDE-100.21

VISUAL EXAMINATION RECORD VT-1 RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. ALA1-1300-W19	Drawing Number ALA1-1300	Sheet No. S00F1V063
Photos ☐ Yes ☐ B/W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☐ 1/32" Division (Scale) ☒ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV		Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge	
Lighting ☐ Ambient ☒ Flashlight ☐ Droplight		WO/WA N/A	
		Procedure No. FNP-0-NDE-100.21	
		Revision No. 1	
		Examiner/Initial JOSEPH D. FUNYAK Sig. <i>J.D. Funyak</i>	Level II
		Examiner/Initial N/A Sig.	Level N/A
		Date (Month/Day/Year) 3/16/00	

WELDS & BASE MATERIAL VT-1	Sat	Un-Sat	N/A	BOLTS, STUDS, AND WASHERS VT-1	Sat	Un-Sat	N/A
Ground Blend Material	☐	☐	☐	Loose Members	☐	☐	☒
Undercut	☐	☐	☐	Cracks	☒	☐	☐
Corrosion Build-Up	☐	☐	☐	Corrosion	☒	☐	☐
Gouges	☐	☐	☐	Gouges	☒	☐	☐
Evidence of Leakage	☐	☐	☐	Thread Damage	☐	☐	☒
Arc Strikes	☐	☐	☐	Deformation	☐	☐	☒
Cracks	☐	☐	☐	Protective Coating	☐	☐	☒
Other**	☐	☐	☐	Evidence of Leakage	☐	☐	☒
	☐	☐	☐	Other **	☐	☐	☒

* Provide details on unsat areas by use of supplemental data sheet.

** Provide details on other areas examined.

Comments

Sub Review - J. Endersby A-114 3/17/00

ANTI REVIEW - C. G. W. 3/18/00

Figure 1

Revision 1

NO EXAMINATIONS SCHEDULED THIS OUTAGE

NO EXAMINATIONS SCHEDULED THIS OUTAGE

DRAWING ALA1-4100
LOOP 1 REACTOR COOLANT PIPE

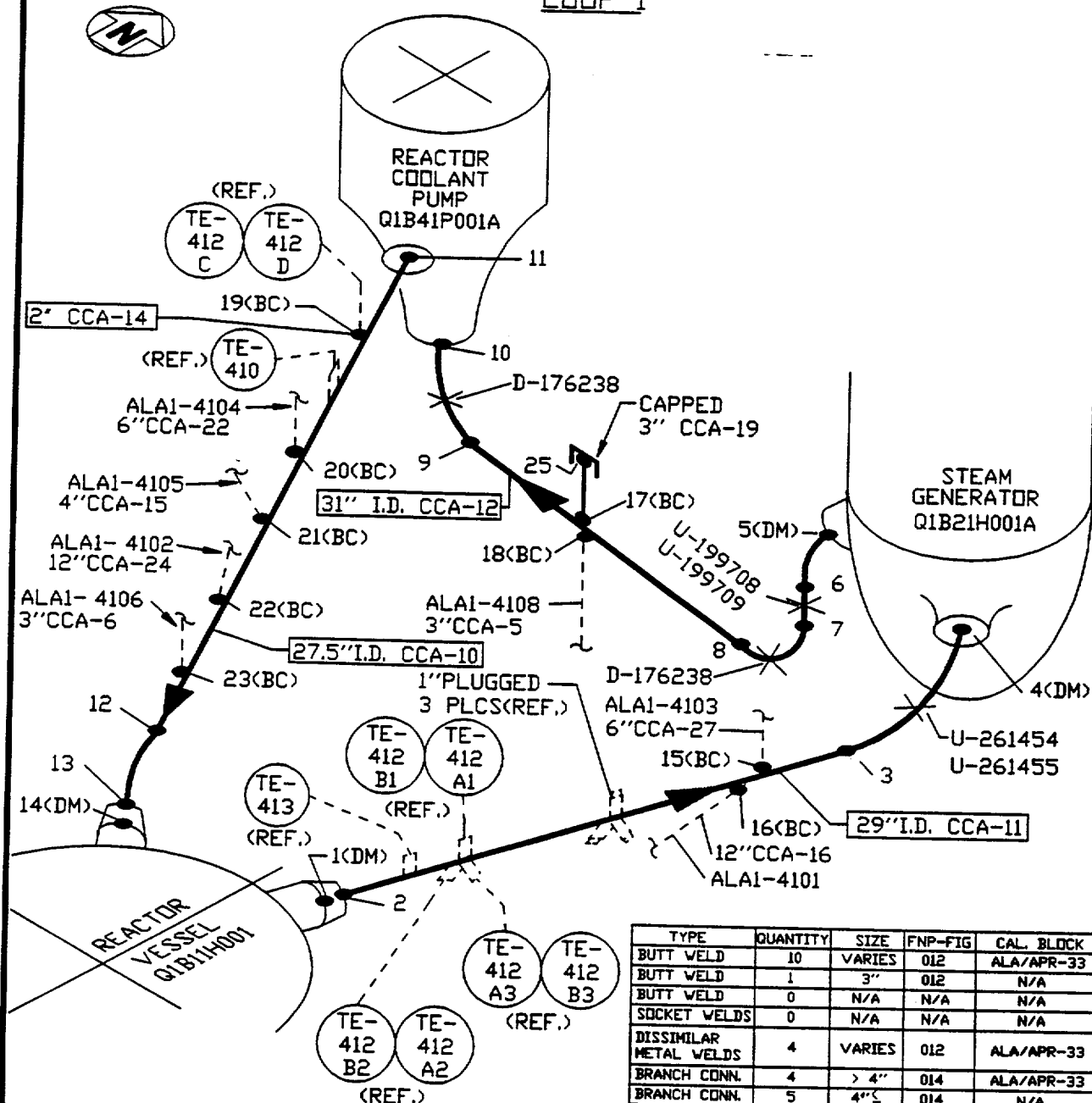
[illegible]

CONTAINMENT

REACTOR COOLANT PIPE

ALA1-4100

LOOP 1



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	10	VARIES	012	ALA/APR-33
BUTT WELD	1	3"	012	N/A
BUTT WELD	0	N/A	N/A	N/A
SOCKET WELDS	0	N/A	N/A	N/A
DISSIMILAR METAL WELDS	4	VARIES	012	ALA/APR-33
BRANCH CONN.	4	> 4"	014	ALA/APR-33
BRANCH CONN.	5	4" <=	014	N/A
WELDED SUPP.	0	N/A	N/A	N/A
COMP. SUPPORT	3	N/A	037	N/A

LINE NUMBER: Q1-B13-CCA-10

BOUNDARY DIAGRAM

D-351114 SH. 1

Q1-B13-CCA-11

REFERENCE ISD'S

D-514996 SH. 1

Q1-B13-CCA-12

D-514996 SH. 2

LINE SIZE 27.5" I.D. CCA-10, 29" I.D.

REFERENCE DRAWINGS

U-266319

CCA-11, 31" I.D. CCA-12

U-266320

1	3-26-98	RAW	JAR	REVISED PER REA 96-1295, REV. 0	LDT	DLG	DEV		
0	6-30-92	SDH	JAR	ISSUED PER PCN S-92-1-8162.	CAB	CCM	FOR	WRH	

REV. DATE BY CHK'D DESCRIPTION

APPR.1 APPR.2 APPR.3 APPR.4

Southern Company Services, Inc. for

B13-REACTOR COOLANT-LOOP 1

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

16

1

 CAD ALA14100
 AUTOCAD RAV-02

SHARED

Farley Nuclear Plant
Liquid Penetrant Examination Record

FNP-0-NDE-100.5

PT-F-Form 001

Southern Nuclear Operating Company

Unit 1	Component Number ALA1-4100-1DM	Procedure/Rev./TCN FNP-0-NDE-100.5 / 6 / N/A	Sheet No. S00F1P049	Page <u>1</u> of <u>1</u>	
<u>Thermometer</u> Mfg. / Ser. No. PTC / 38193 Cal. Due Date 8/27/2000 Surface Temp. 86 °F		<u>Penetrant Materials</u> Manufacturer MAGNAFLUX Cleaner/Remover SKC-S Penetrant SKL-SP Developer SKD-S2 Type SKC-S Batch 99J01K 96J02K 98D11K			
Component Configuration R.V. NOZZLE TO SAFE END		% of Length Coverage 100	Date 5/12/00		
Ind. No. N/A		Results NRI	Indication Desc. / Exam Limitations / etc. 		Remarks

Remarks:

Primary Examiner MANFRED GRELL	ASNT Level II	Initials <i>[Signature]</i>	Assistant Examiner N/A	ASNT Level 	Initials 	Non-Technical Review <i>[Signature]</i>	Date 5-12-00
SNC NDE Level II/III Review <i>[Signature]</i>		Date 5-12-00	Percentage of Code Coverage 100 %	ANII Review <i>[Signature]</i>		Date 5/12/00	

Figure 1

Revision 6

SHARED

Farley Nuclear Plant
Liquid Penetrant Examination Record

FNP-0-NDE-100.5

PT-F-Form 001

Southern Nuclear Operating Company

Unit 1	Component Number ALA1-4100-2	Procedure/Rev./TCN FNP-0-NDE-100.5 / 6 / N/A	Sheet No. S00F1P052	Page 1 of 1
<u>Thermometer</u> Mfg. / Ser. No. PTC / 38193 Cal. Due Date 8/27/2000 Surface Temp. 86 °F		<u>Penetrant Materials</u> Manufacturer MAGNAFLUX Cleaner/Remover SKC-S Penetrant SKL-SP Developer SKD-S2 Type SKC-S Batch 99J01K 96J02K 98D11K		
Component Configuration SAFE-END TO PIPE		% of Length Coverage 100	Date 5/12/00	
Ind. No. N/A		Results NRI	Indication Desc. / Exam Limitations / etc. 	
		Remarks 		

Remarks:

Primary Examiner SCOTT R. ERICKSON	ASNT Level II	Initials SRE	Assistant Examiner N/A	ASNT Level 	Initials 	Non-Technical Review <i>[Signature]</i>	Date 5-12-00
SNC NDE Level II/III Review <i>[Signature]</i>		Date 5-12-00	Percentage of Code Coverage 100 %	ANII Review <i>[Signature]</i>		Date 5/12/00	

Figure 1

Revision 6

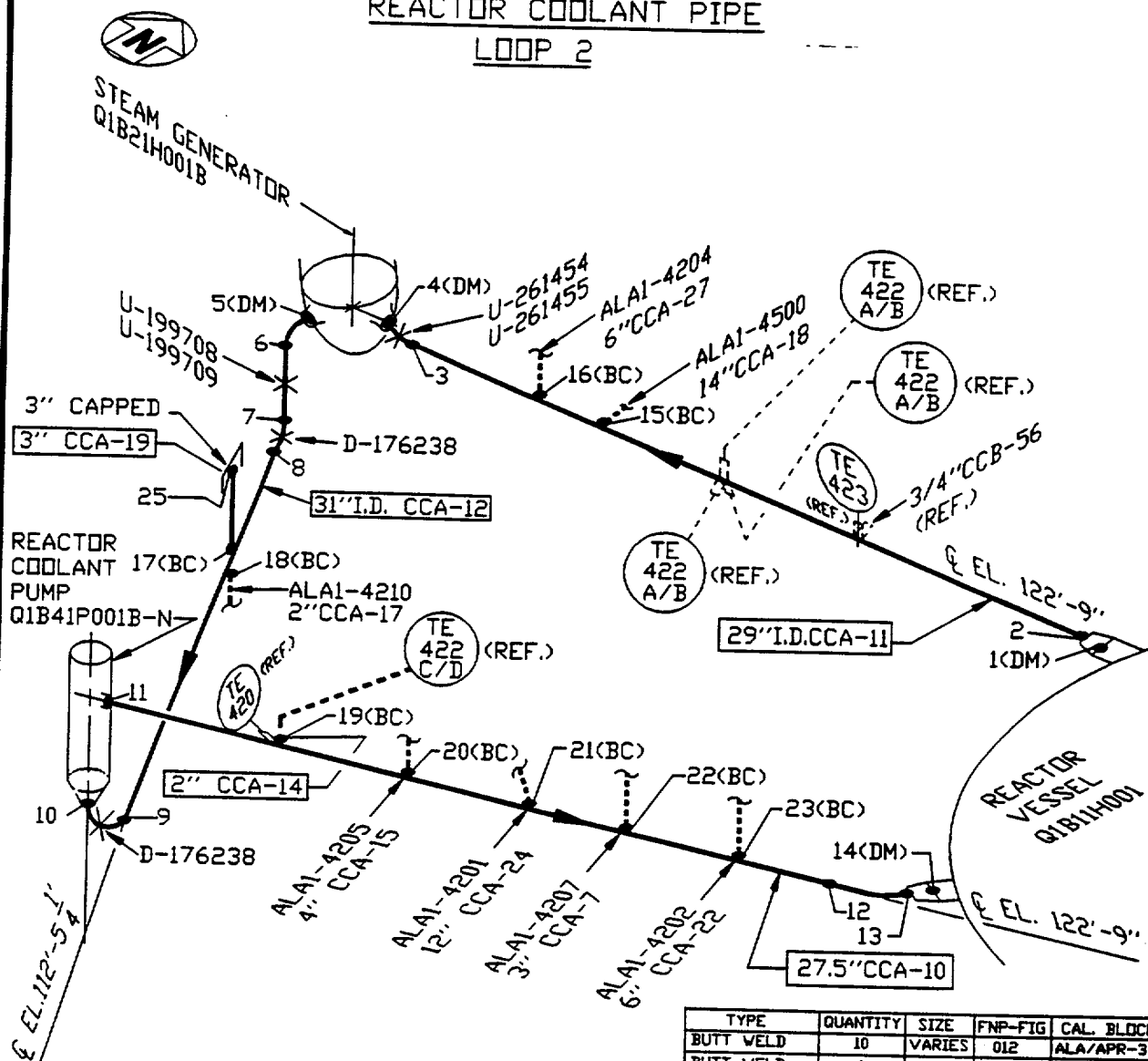
DRAWING ALA1-4200
LOOP 2 REACTOR COOLANT PIPE

[illegible]

CONTAINMENT

ALA1-4200

REACTOR COOLANT PIPE LOOP 2



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	10	VARIES	012	ALA/APR-33
BUTT WELD	1	3"	011	N/A
SOCKET WELDS	0	N/A	N/A	N/A
DISSIMILAR METAL WELDS	4	VARIES	012	ALA-RV-7
BRANCH CONN.	5	> 4"	013	ALA/APR-33
BRANCH CONN.	4	4" <=	014	N/A
WELDED SUPP.	0	N/A	N/A	N/A
COMP. SUPPORT	3	N/A	037	N/A

LINE NUMBER: Q1-B13-CCA-10

Q1-B13-CCA-11

Q1-B13-CCA-12

LINE SIZE: 27.5" I.D. CCA-10; 29" I.D. CCA-11; 31" I.D. CCA-12; 3" CCA-12

BOUNDARY DIAGRAM

D-351114 SH. 1

REFERENCE ISO'S

D-514997 SH. 1

REFERENCE DRAWINGS

U-266319

U-266320

1 3-26-98 RAW JAR

REVISED PER REA 96-1295, REV. 0

LDT

DLG DEV

0 6-30-92 SDH

ISSUED PER PCN S-92-1-8162.

CAB

CCM for WRH

AH

DML

REV. DATE BY CHK'D

DESCRIPTION

APPR.1

APPR.2

APPR.3

APPR.4

Southern Company Services, Inc. for

B13-REACTOR COOLANT-LOOP 2

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

29

1

CAD ALA14200
AUTOCAD JLB-03

SHARED

FNP-0-NDE-100.5

Farley Nuclear Plant

PT-F-Form 001

Liquid Penetrant Examination Record

Southern Nuclear Operating Company

Unit 1	Component Number ALA1-4200-1DM	Procedure/Rev./TCN FNP-0-NDE-100.5 / 6 / N/A	Sheet No. S00F1P051	Page 1 of 1
<u>Thermometer</u> Mfg. / Ser. No. PTC / 38193 Cal. Due Date 8/27/2000 Surface Temp. 86 °F		<u>Penetrant Materials</u> Manufacturer MAGNAFLUX Cleaner/Remover SKC-S Penetrant SKL-SP Developer SKD-S2 Type SKC-S Batch 99J01K 96J02K 98D11K		
Component Configuration RV NOZZLE TO SAFE END		% of Length Coverage 100	% of Area Coverage 100	Date 5/12/00
Ind. No. N/A	Results NRI	Indication Desc. / Exam Limitations / etc.		Remarks

Remarks:

Primary Examiner SCOTT R. ERICKSON	ASNT Level II	Initials SRE	Assistant Examiner N/A	ASNT Level	Initials	Non-Technical Review <i>[Signature]</i>	Date 5-12-00
SNC NDE Level II/III Review <i>[Signature]</i>		Date 5-12-00	Percentage of Code Coverage 100 %	ANII Review <i>[Signature]</i>		Date 5/12/00	

Figure 1

Revision 6

SHARED

FNP-0-NDE-100.5

Farley Nuclear Plant

PT-F-Form 001

Liquid Penetrant Examination Record

Southern Nuclear Operating Company

Unit 1	Component Number ALA1-4200-2	Procedure/Rev./TCN FNP-0-NDE-100.5 / 6 / N/A	Sheet No. S00F1P050	Page 1 of 1	
<u>Thermometer</u> Mfg. / Ser. No. PTC / 38193 Cal. Due Date 8/27/2000 Surface Temp. 86 °F		<u>Penetrant Materials</u> Manufacturer MAGNAFLUX Cleaner/Remover SKC-S Penetrant SKL-SP Developer SKD-S2 Type SKC-S Batch 99J01K 96J02K 98D11K			
Component Configuration SAFE-END TO PIPE		% of Length Coverage 100	Date 5/12/00		
Ind. No. N/A		Results NRI	Indication Desc. / Exam Limitations / etc. 		Remarks

Remarks:

Primary Examiner MANFRED GRELL	ASNT Level II	Initials MG	Assistant Examiner N/A	ASNT Level 	Initials 	Non-Technical Review J. E. O'Connell	Date 5/12/00
SNC NDE Level II/III Review Darryl D. Sifton		Date 5-12-00	Percentage of Code Coverage 100 %	ANII Review C. Ward		Date 5/12/00	

Figure 1

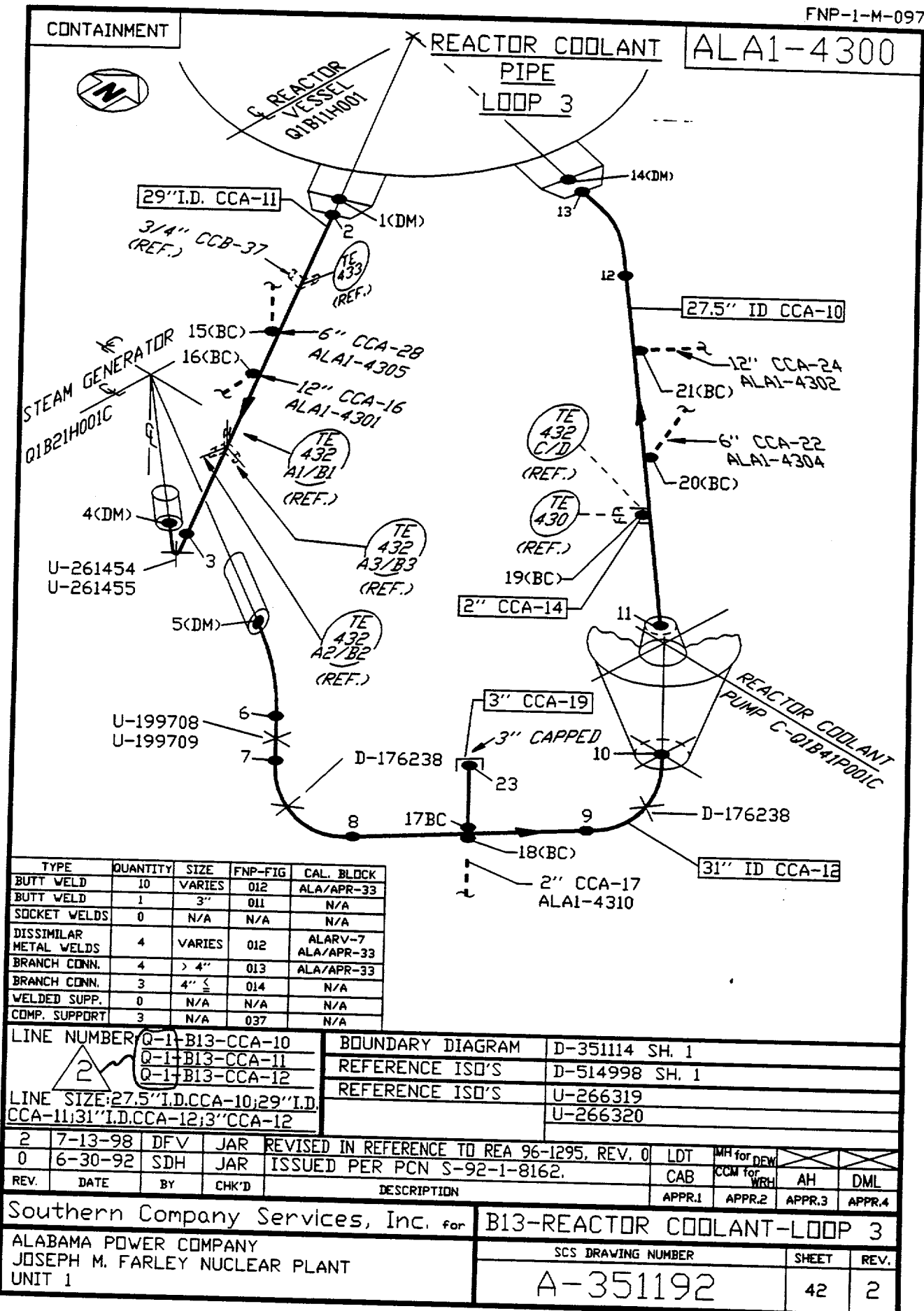
Revision 6

[illegible]

CONTAINMENT

REACTOR COOLANT
PIPE
LOOP 3

ALA1-4300



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	10	VARIES	012	ALA/APR-33
BUTT WELD	1	3"	011	N/A
SOCKET WELDS	0	N/A	N/A	N/A
DISSIMILAR METAL WELDS	4	VARIES	012	ALARV-7 ALA/APR-33
BRANCH CONN.	4	> 4"	013	ALA/APR-33
BRANCH CONN.	3	4" ≤	014	N/A
WELDED SUPP.	0	N/A	N/A	N/A
COMP. SUPPORT	3	N/A	037	N/A

LINE NUMBER Q-1-B13-CCA-10
Q-1-B13-CCA-11
Q-1-B13-CCA-12
LINE SIZE: 27.5" I.D. CCA-10; 29" I.D. CCA-11; 31" I.D. CCA-12; 3" CCA-12

BOUNDARY DIAGRAM D-351114 SH. 1
REFERENCE ISO'S D-514998 SH. 1
REFERENCE ISO'S U-266319
U-266320

2	7-13-98	DFV	JAR	REVISED IN REFERENCE TO REA 96-1295, REV. 0	LDT	IMH for DEW		
0	6-30-92	SDH	JAR	ISSUED PER PCN S-92-1-8162.	CAB	CCM for WRH	AH	DML
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4

Southern Company Services, Inc. for

B13-REACTOR COOLANT-LOOP 3

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET REV.

A-351192

42

2

CAD ALA14300.DWG
AUTOCAD
DFV-03

SHARED

FNP-0-NDE-100.5

Farley Nuclear Plant

PT-F-Form 001

Liquid Penetrant Examination Record

Southern Nuclear Operating Company

Unit 1	Component Number ALA1-4300-1DM	Procedure/Rev./TCN FNP-0-NDE-100.5 / 6 / N/A	Sheet No. S00F1P053	Page <u>1</u> of <u>1</u>
<u>Thermometer</u> Mfg. / Ser. No. PTC / 38193 Cal. Due Date 8/27/2000 Surface Temp. 86 °F		<u>Penetrant Materials</u> Manufacturer MAGNAFLUX Cleaner/Remover SKC-S Penetrant SKL-SP Developer SKD-S2 Type SKC-S Batch 99J01K 96J02K 98D11K		
Component Configuration RV NOZZLE TO SAFE END		% of Length Coverage 100	% of Area Coverage 100	Date 5/12/00
Ind. No. N/A	Results NRI	Indication Desc. / Exam Limitations / etc.		Remarks

Remarks:

Primary Examiner PAUL D'VALERIO	ASNT Level II	Initials <i>PD</i>	Assistant Examiner N/A	ASNT Level	Initials	Non-Technical Review <i>[Signature]</i>	Date 5-12-00
SNC NDE Level II/III Review <i>[Signature]</i>		Date 5-12-00	Percentage of Code Coverage 100 %	ANII Review <i>[Signature]</i>		Date 5/12/00	

Figure 1

Revision 6

SHARED

Farley Nuclear Plant

FNP-0-NDE-100.5

Liquid Penetrant Examination Record

PT-F-Form 001

Southern Nuclear Operating Company

Unit 1	Component Number ALA1-4300-2	Procedure/Rev./TCN FNP-0-NDE-100.5 / 6 / N/A	Sheet No. S00F1P054	Page 1 of 1
<u>Thermometer</u> Mfg. / Ser. No. PTC / 38193 Cal. Due Date 8/27/2000 Surface Temp. 86 °F		<u>Penetrant Materials</u> Manufacturer MAGNAFLUX Cleaner/Remover SKC-S Penetrant SKL-SP Developer SKD-S2 Type SKC-S Batch 99J01K 96J02K 98D11K		
Component Configuration SAFE-END TO PIPE		% of Length Coverage 100	Date 5/12/00	
Ind. No. N/A		Results NRI	Indication Desc. / Exam Limitations / etc. SAFE-END TO PIPE	
		Remarks SAFE-END TO PIPE		

Remarks:

Primary Examiner PAUL D'VALERIO	ASNT Level II	Initials <i>PD</i>	Assistant Examiner N/A	ASNT Level	Initials	Non-Technical Review <i>J. Erin O'Leary</i>	Date 5-12-00
SNC NDE Level II/III Review <i>Danny A. Siffert</i>		Date 5-12-00	Percentage of Code Coverage 100 %	ANII Review <i>CG Ward</i>		Date 5/12/00	

Figure 1

Revision 6

DRAWING ALA1-4304
LOOP 3 6" SAFETY INJECTION SYSTEM-COLD LEG

[illegible]

SHARED

FARLEY NUCLEAR PLANT Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.31
Southern Nuclear Operating Company

Unit 1	Sketch/Component No. ALA1-4304-7	Date 3/12/00	Sheet No. S00F1U029	Page 1 of 41
Procedure/Rev./TCN FNP-0-NDE-100.31 / 7 / N/A	Couplant/Batch No. SONATRACE 40 / 94243	Thermometer SN/Cal Due Date 38081 / 8/27/2000	Linearity Sheet No. S00F1L003	

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	STAVELEY	Transducer Mfg.	KBA	Cal. Blk. No.	ALA-6	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Serial No.	136-898K	Serial No.	031279	Thickness	.719"	1T	80	2.0	.73	1T	80	2.2	.89
Ax. dB		Size	.375	Cal. Temp.	72	2T	50	4.0	1.4	2T	60	4.4	1.9
Ref.	29.0	Frequency/Mode	2.25 / S	Cal. In	0900	3T	25	6.0	2.1				
Scan	41.0	"A" Dimension	.3	Cal. Chk.	1040	4T	18	8.0	2.83				
Reject	OFF	Nominal Angle	45	Cal. Out	1340	Calibration Remarks: N/A							
Frequency	2.25	Measured Angle	45	Ref. Blk. No.	4976								
Mode	P/E	Cable Type	RG174	Reflector	HOLE								
Damping	500 OHMS	Cable Length	15'	Amplitude/Sweep	18% / 2.0								

Comp. Temp.: 70 °F Configuration: VALVE TO PIPE Wo Location C/L Lo Location TDC

Scan Dir.	Results			Ind. No.	% DAC	Length			Reference Measurement			Sweep Position			Thickness			Notes:
	NI	NRI	RI			L1	Lmax	L2	W1	Wmax	W2	S1	Smax	S2	1"<--	C/L	-->1"	
2	●	○	○	N/A														
7	●	○	○	N/A														
8	●	○	○	N/A														

Examination/Limitation Remarks:

VALVE RESTRICTS 5 SCAN. EXTENDED VOLUME PER 97-19-1. LAMINATION SCAN PERFORMED WITH TRANSDUCER D15618 80% FSH WITH 24.2db

REFERENCE IER 4304-7 FOR SURFACE GOUGE RESOLUTION. JRC

Total Length of Weld	Crown Width	Total Length of Weld Examined	Extent of Perpendicular Scans (W)		Extent of Parallel Scans (L)	
21"	.7"	5 (L) N/A 2 (L) NL 7 & 8 (W) NL	5 - from N/A to N/A	2 - from .65 to NL	From (5) +.35 to (2) NL	
Primary Examiner JOSEPH D. FUNYAK		Level II	Assistant Examiner N/A		Level N/A	Non-Technical Review <i>Lynda Duke</i>
SNC NDE Level II/III Review <i>Wang Cordes</i>		Date 3-14-00	Percentage of Code Coverage N/A %		ANII Review <i>cyk</i>	
					Date 3-13-00 Date 5/6/00	

Figure 1

Revision 7

SHARED

FARLEY NUCLEAR PLANT Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.31
Southern Nuclear Operating Company

Unit 1	Sketch/Component No. ALA1-4304-7	Date 3/12/00	Sheet No. S00F1U030	Page 1 of 1
Procedure/Rev./TCN FNP-0-NDE-100.31 / 7 / N/A	Couplant/Batch No. SONATRACE 40 / 94243	Thermometer SN/Cal Due Date 38081 / 8/27/2000	Linearity Sheet No. S00F1L003	

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	STAVELEY	Transducer Mfg.	KBA	Cal. Blk. No.	ALA-6	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Serial No.	136-898K	Serial No.	031273	Thickness	.719"								
	Ax. dB Circ. dB	Size	.375	Cal. Temp.	72	1T	80	4.0	.95	N/A	N/A	N/A	N/A
Ref.	46.4	N/A	Frequency/Mode	2.25 / S	Cal. In	2T	30	8.0	1.93	N/A	N/A	N/A	N/A
Scan	58.4	N/A	"A" Dimension	.5	Cal. Chk.								
Reject	OFF		Nominal Angle	60	Cal. Out								
Frequency	2.25		Measured Angle	53	Ref. Blk. No.								
Mode	P/E		Cable Type	RG174	Reflector								
Damping	500 OHMS		Cable Length	15'	Amplitude/Sweep								
					Calibration Remarks: N/A								

Comp. Temp.: 70 °F		Configuration: VALVE TO PIPE		Wo Location C/L				Lo Location TDC						
Scan Dir.	Results NI NRI RI	Ind. No.	% DAC	L1	Length Lmax L2	Reference Measurement W1 Wmax W2			Sweep Position S1 Smax S2			Thickness 1"<-- C/L -->1"		Notes:
2	●	N/A												

Examination/Limitation Remarks:

VALVE RESTRICTS 5 SCAN. EXTENDED VOLUME PER 97-19-1.

REFERENCE IER 4304-7 FOR SURFACE GROUND RESOLUTION. JRC

Total Length of Weld 21"	Crown Width .7"	Total Length of Weld Examined 5 (L) N/A 2 (L) NL 7 & 8 (W) N/A				Extent of Perpendicular Scans (W) 5 - from N/A to N/A				Extent of Parallel Scans (L) 2 - from .85 to NL			
Primary Examiner JOSEPH D. FUNYAK <i>JDF</i>		Level II	Assistant Examiner N/A				Level N/A	Non-Technical Review <i>Lynda Duke</i>				Date 3-13-00	
SNC NDE Level II/III Review <i>Dany Cardes LIII</i>			Date 3-14-00	Percentage of Code Coverage N/A %				ANII Review <i>CS</i>				Date 5/6/00	

Figure 1

Revision 7

SHARED

Ultrasonic Weld Profile Record				FNP-0-NDE-100.35	
Southern Nuclear Operating Company					
Unit 1	Weld Number ALA1-4304-7	Sheet Number S00F1U031	Date 3/12/00		
ISO/Drawing Number ALA1-4304		Couplant/Batch Number SONATRACE 40 / 94243		Instrument Manufacturer STAVELEY	
Material Type SS	Calibration Standard/Serial Number SS STEP / 800887	Model Number SONIC 136	Serial Number 136-898K		
Examiner JOSEPH D. FUNYAK <i>JDF</i>		SNT Level II	Search Unit Manufacturer KBA	Size .375	
Examiner N/A		SNT Level N/A	Serial Number D15618	Frequency 2.25 MHz	
Weld Examination Record No. N/A		Indication No. N/A	Component Configuration/Flow VALVE TO PIPE		
Location LMAX TDC WMAX C/L			Component Temp °F 70	Thermometer S/N PTC 38081	
<u>T. MEASUREMENTS</u> <u>O.D. PROFILE</u> 1.39 1.39 1.38 .66 .67 .68 .69 .71 .72 .72 .72 .72					
<u>T. MEASUREMENT EACH</u> .25 IN.					
REMARKS:					
NDE LII/III Review <i>Dan Cordes</i>		Level III	Date 3-14-00	Non-Technical Review <i>Lynda Duke</i>	
				Date 3-13-00	

Revision 1

SHARED

FNP-0-NDE-100.5

PT-F-Form 001

Farley Nuclear Plant

Liquid Penetrant Examination Record

Southern Nuclear Operating Company

Unit 1	Component Number ALA1-4304-7	Procedure/Rev./TCN FNP-0-NDE-100.5 / 6 / N/A	Sheet No. S00F1P003
Thermometer Mfg. / Ser. No. PTC / 38081 Cal. Due Date 8/27/2000 Surface Temp. 75 °F		Penetrant Materials Manufacturer MAGNAFLUX Cleaner/Remover SKC-S Penetrant SKL-SP Developer SKD-S2 Type SKC-S Batch 96J05K 93D12K 93J02P	
Component Configuration VALVE TO PIPE		% of Length Coverage 100 % of Area Coverage 100	Date 3/12/00
Ind. No. N/A	Results NRI	Indication Desc. / Exam Limitations / etc.	Remarks <i>See Sheet 2 of 2 for photo taken 3/14/00</i>

DNL 3-14-00
REFERENCE IER 4304-7 FOR GOUGE RESOLUTION.

Remarks: **3 GOUGES (1) 4"CCW TO 2CW" (1/8 TO 9/16 FROM TOE) (2) 4 1/2" CW TO 5" CW (3/8 FROM TOE) (3) 7" CW TO 8" CW (1/4 TO 1/2 FROM TOE)**

Primary Examiner JOHN W. BELL	ASNT Level II	Initials <i>gwb</i>	Assistant Examiner N/A	ASNT Level N/A	Initials 	Non-Technical Review <i>Lynda Duke</i>	Date 3-17-00
SNC NDE Level II/III Review <i>Danny Cordes L/III</i>			Date 3-17-00	Percentage of Code Coverage 100 %	ANII Review <i>13/6/00</i>		Date 5/6/00

Figure 1

Revision 6

03/15/00 11:22:27

SHARED

FIGURE 1

FNP-0-NDE-100.21
RTYPE: L1.09

VISUAL EXAMINATION RECORDED VT-1

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /	Line Number/Examination Area/Weld No. ALA1-4304-7		Drawing Number ALA1-4304		Sheet No.	
Photos ___ Yes ___ B&W ___ No ___ Color	Sketch ___ Yes ___ No	Resolution ___ 1/32" Division (Scale) ___ 1/32" Line (Gray Card)	Technique ___ Direct ___ Remote ___ Video		WO/WA Procedure No. FNP-0-NDE-100.21 Revision No. 1 Examiner/Initial Sig. <i>Paul H. Walker</i> Level II Examiner/Initial Sig. _____ Level Date (Month-Day-Year) 03-15-00	
Equipment ___ Mirror ___ Magnifier ___ CCTV	Lighting ___ Ambient ___ Flashlight ___ Droplight	Tools ___ Scale ___ Micrometer ___ Caliper ___ Depth Gauge ___ Comparator ___ Weld Gauge ___ Level				
☒ WELDS & BASE MATERIAL VT-1			☐ BOLTS, STUDS, AND WASHERS VT-1			
	SAT	UN-SAT	N/A		SAT	UN-SAT
Ground Blend Material	___	___	___	Loose Members	___	___
Undercut	___	___	___	Cracks	___	___
Corrosion build-Up	___	___	___	Corrosion	___	___
Gouges	___	___	___	Gouges	___	___
Evidence of Leakage	___	___	___	Thread Damage	___	___
Arc Strikes	___	___	___	Deformation	___	___
Cracks	___	___	___	Protective Coating	___	___
Other **	___	___	___	Evidence of Leakage	___	___
	___	___	___	Other**	___	___
* Provide details on unsat areas by use of supplemental data sheet. ** Provide details on other areas examined						
Comments SEE ATTACHED						

Paul H. Walker

LV III

5-5-00

ANAL REVIEW: *CGW* 5/6/00

Page 1 of 2

SHARED

FIGURE 2

VISUAL EXAMINATION SUPPLEMENTAL DATA SHEET

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY 1	Line Number/Examination Area/Weld No. ALA1-4304 - 7		Drawing Number ALA1-4304		Sheet No.
WO/WA No.	Date (Month-Day-Year)	Examiner	Level	Location	
Procedure No. FNP-0-NDE-100.21	03-15-00	Paul Nicholas	II	OFF COLD LEG RCP "C" PLATFORM	
Revision No. 1					

Comments:

#1 3 7/8" LONG 1/64" - 1/32" DEEP	#5 1/4" LONG 1/64" - 1/32" DEEP
#2 3/8" LONG 1/32" DEEP	#6 2" LONG 1/64" - 1/32" DEEP
#3 3/8" LONG 1/16" - 1/32" DEEP	#7 1" LONG 1/64" DEEP
#4 1/4" LONG 1/32" - 1/64" DEEP	#8 1" LONG 1/64" DEEP

Page 2 of 2

03/18/00 13:55:19

SHARED

FIGURE 1

FNP-0-NDE-100.21
RTYPE: L1.09

VISUAL EXAMINATION RECORDED VT-1

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY	Line Number/Examination Area/Weld No. <i>ALA1 - 4304 - 7</i>			Drawing Number <i>ALA1 - 4304</i>	Sheet No.																																																																																								
Photos ☒ Yes ☐ B&W ☐ No ☐ Color	Sketch ☒ Yes ☐ No	Resolution ☒ 1/32" Division (Scale) ☐ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Video ☐ Remote		WO/WA <i>WC # 20002516</i> <i>IER # 430</i>																																																																																								
					Procedure No. FNP-0-NDE-100.21																																																																																								
					Revision No. <i>1</i>																																																																																								
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV		Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☒ <i>CAMBRIDGE</i> ☐ Caliper ☐ Weld Gauge ☒ <i>GAUGE</i>		Examiner/Initial Sig. <i>[Signature]</i>	Level <i>II</i>																																																																																							
					Examiner/Initial Sig. <i>N/A</i>	Level																																																																																							
					Date (Month-Day-Year) <i>04-05-00</i>																																																																																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 10%;">SAT</th> <th style="width: 10%;">UN-SAT</th> <th style="width: 10%;">N/A</th> <th style="width: 40%;"></th> <th style="width: 10%;">SAT</th> <th style="width: 10%;">UN-SAT</th> <th style="width: 10%;">N/A</th> </tr> </thead> <tbody> <tr> <td>☒ WELDS & BASE MATERIAL VT-1</td> <td></td> <td></td> <td></td> <td>☐ BOLTS, STUDS, AND WASHERS VT-1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Ground Blend Material</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>Loose Members</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>Undercut</td> <td>☐</td> <td>☐</td> <td>☒</td> <td>Cracks</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>Corrosion build-Up</td> <td>☐</td> <td>☐</td> <td>☒</td> <td>Corrosion</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>Gouges</td> <td>☐</td> <td>☒</td> <td>☐</td> <td>Gouges</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>Evidence of Leakage</td> <td>☐</td> <td>☐</td> <td>☒</td> <td>Thread Damage</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>Arc Strikes</td> <td>☐</td> <td>☐</td> <td>☒</td> <td>Deformation</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>Cracks</td> <td>☐</td> <td>☐</td> <td>☒</td> <td>Protective Coating</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>Other **</td> <td>☐</td> <td>☐</td> <td>☐</td> <td>Evidence of Leakage</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> <tr> <td></td> <td>☐</td> <td>☐</td> <td>☐</td> <td>Other**</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </tbody> </table>							SAT	UN-SAT	N/A		SAT	UN-SAT	N/A	☒ WELDS & BASE MATERIAL VT-1				☐ BOLTS, STUDS, AND WASHERS VT-1				Ground Blend Material	☐	☐	☐	Loose Members	☐	☐	☐	Undercut	☐	☐	☒	Cracks	☐	☐	☐	Corrosion build-Up	☐	☐	☒	Corrosion	☐	☐	☐	Gouges	☐	☒	☐	Gouges	☐	☐	☐	Evidence of Leakage	☐	☐	☒	Thread Damage	☐	☐	☐	Arc Strikes	☐	☐	☒	Deformation	☐	☐	☐	Cracks	☐	☐	☒	Protective Coating	☐	☐	☐	Other **	☐	☐	☐	Evidence of Leakage	☐	☐	☐		☐	☐	☐	Other**	☐	☐	☐
	SAT	UN-SAT	N/A		SAT	UN-SAT	N/A																																																																																						
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* Provide details on unsat areas by use of supplemental data sheet. ** Provide details on other areas examined																																																																																													
Comments <i>SEE ATTACHED</i> <i>Barry L. Loftis</i> <i>LU III - 5:5-00</i> <i>ANTI REVIEW: CFW and 5/6/00</i>																																																																																													

SHARED

FIGURE 2

VISUAL EXAMINATION SUPPLEMENTAL DATA SHEET

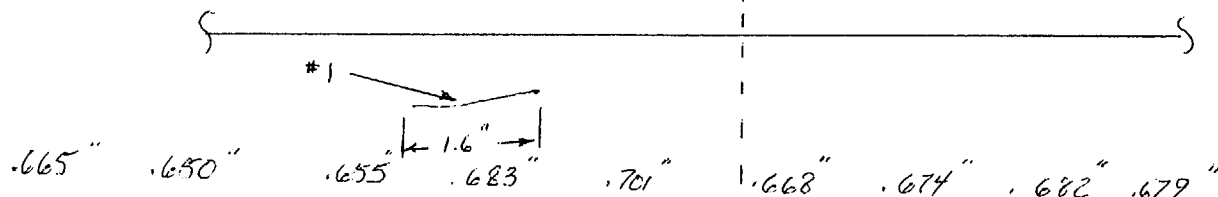
FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY 1	Line Number/Examination Area/Weld No. ALA1-4304 - 7	Drawing Number ALA1-4304	Sheet No.	
WO/WA No. 1ER #430	Date (Month-Day-Year) 04-05-00	Examiner T. D. C.	Level II	Location OFF COLD LEG REP "C" PLATFORM
Procedure No. FNP-0-NDE-100.21				
Revision No. 1				

VALVE →

T.D.C



PIPE →

Comments: #1 GOUGE 1/64" DEPTH AND 1.6" LONG

NOTE: PREVIOUS GOUGES #1 THROUGH #8 BUFFED. #1 WHICH WAS 3 7/8" LONG IS NOW 1.6" LONG - ALL OTHER GOUGES WERE COMPLETELY REMOVED. THICKNESS READINGS WERE TAKEN EVERY INCH ALONG BUFFED AREA. MINIMUM THICKNESS OBSERVED WAS RECORDED.

REF NO 20002516

Page ____ of ____

CLASS 1 - VALVE BODIES

[illegible]

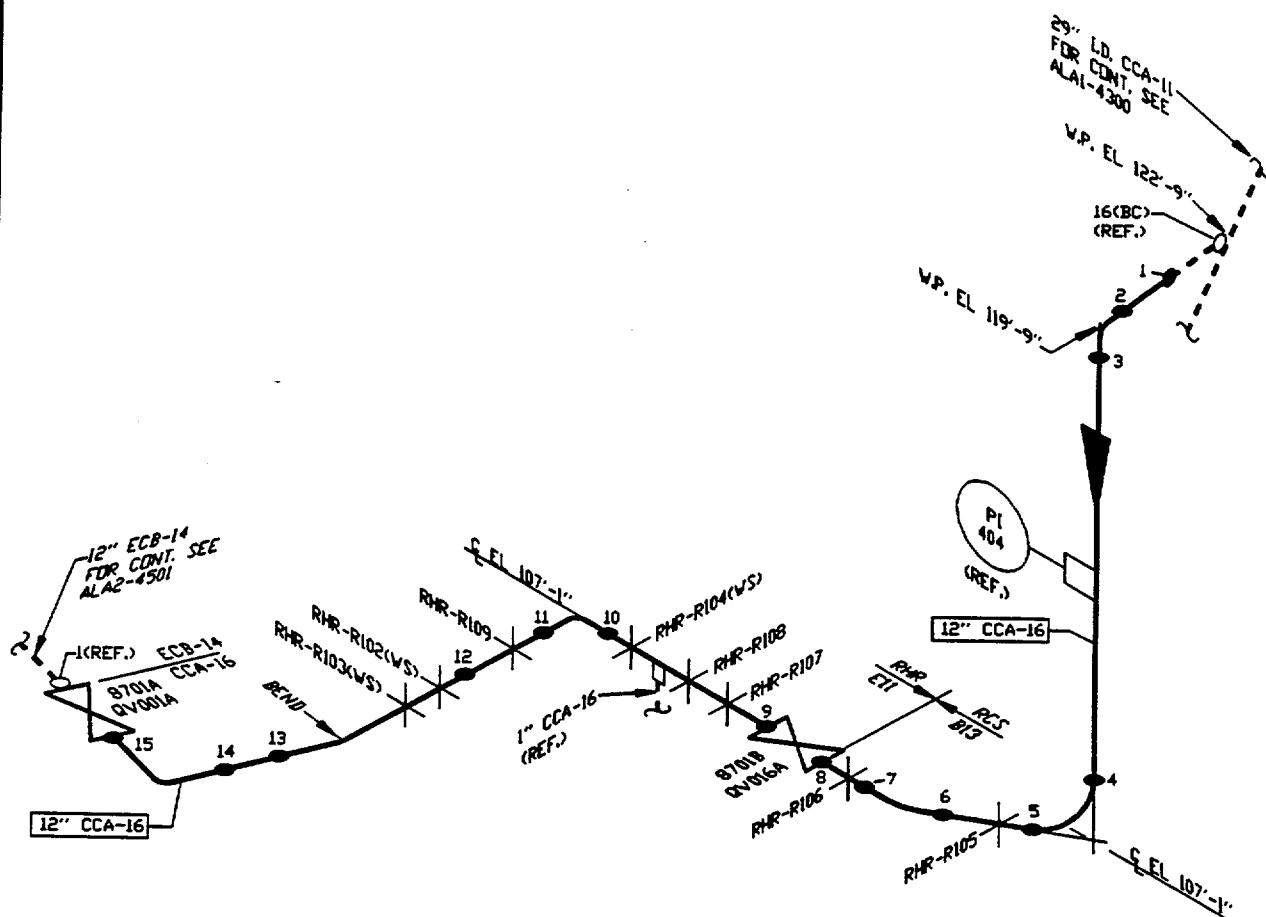
CONTAINMENT

12" RHR TAKE-OFF

<HOT LEG>

LOOP 3

ALA1- 4301



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	15	12"	012	ALA-3
LONG SEAM WELD	0	N/A	N/A	N/A
SOCKET WELD	0	N/A	N/A	N/A
WELDED SUPP.	3	N/A	019	N/A
COMP. SUPPORT	8	N/A	037	N/A

VALVE BOLTING (SEE ALAI-6300 SH. 2)

LINE NUMBER: Q-1-B13-CCA-16
Q-1-E11-CCA-16

BOUNDARY DIAGRAM	D-351114 SH. 1; D-351118 SH. 1
REFERENCE ISO'S	D-514690 SH. 3 & 4

LINE SIZE: 12" CCA-16

1	3-26-98	RAW	JAR	REVISED PER REA 96-1295, REV. 0	LDT	DLG	DEV		
0	6-30-92	SDH	JAR	ISSUED PER PCN S-92-1-8162.	CAB	CCM for WRH		AH	DML
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for B13-REACTOR COOLANT & E11-RHR SYSTEM

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET	REV.
-------	------

A-351192

43

1

CAD ALA14301
AUTOCAD RAW-02

10/15/99 4:51

SHADED

FNP-0 3-100.23
RTYPE: L1.09

FIGURE 1

SUPPORT EXAMINATION RECORD VT-3

FARLEY NUCLEAR PLANT

ALAI-430-QV016A

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1		Line Number/Examination Area/Weld No. Q1E11MOV8701B				Drawing Number N/A		Sheet No. N/A							
Photos ___ Yes ___ B&W X No ___ Color		Sketch ___ Yes X No	Resolution X 1/32" Division (Scale) ___ 1/32" Line (Gray Card)	Technique X Direct ___ Video ___ Remote		WO/WA 20002730 Procedure No. FNP-0-NDE-100.23 Revision No. 3 Examiner/Initial MIXON Sig. <i>[Signature]</i> Level II Examiner/Initial N/A Level Sig. Date (Month-Day-Year) 4-14-00									
Equipment X Mirror ___ Magnifier ___ CCTV		Lighting ___ Ambient X Flashlight ___ Droplight	Tools X Scale ___ Micrometer ___ Caliper X Depth Gauge ___ Comparator ___ Weld Gauge TAPE												
N/A SNUBBERS VT-3 Loose Bolt or Pin Connections Shaft Seal Fluid Leakage Fluid Tubing Condition Shaft Cleanliness Spherical Bearings Cotter & Clevis Pins Intact Other**			SAT ___ ___ ___ ___ ___ ___ ___	UN-SAT ___ ___ ___ ___ ___ ___ ___	N/A ___ ___ ___ ___ ___ ___ ___	✓ COMP. INTERNALS & MAT'L SURFACE VT-3 Pitting Corrosion Erosion Foreign Material Gouged Parts Wear Evidence of Leakage Other Cracks**		SAT ✓ ✓ ✓ ✓ ✓ ___ ___	UN-SAT ___ ___ ___ ___ ___ ___ ___	N/A ___ ___ ___ ___ ___ ✓ ✓	N/A HANGER & SUPPORTS VT-3 Setting: Hot ___ Cold ___ Misalignment Damaged Members Gouges Arc Strikes Grind Marks Freedom of Movement Other**		SAT ___ ___ ___ ___ ___ ___ ___	UN-SAT ___ ___ ___ ___ ___ ___ ___	N/A ___ ___ ___ ___ ___ ___ ___
* Provide details on unsat areas by use of supplemental data sheet. ** Provide details on other areas examined.															
Comments EXAMINATION PERFORMED ON NORMALLY ACCESSIBLE INTERNAL PRESSURE BOUNDARY SURFACES. NO RECORDABLE INDICATIONS NOTED AT TIME OF EXAMINATION. <i>[Signature]</i> 5-7-00										AND REVIEW: <i>[Signature]</i> 5/8/00					

NO EXAMINATIONS SCHEDULED THIS OUTAGE

CLASS 1 SYSTEM LEAKAGE TEST

SHARED

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY FARLEY UNIT 1	Data Package FNP-1-SOP-1.4	Drawing Number NONE
WO/WA No. NONE	System Boundaries ALL REACTOR COOLANT SYSTEM PRESSURE BOUNDARIES WERE	
Procedure No. FNP-0-NDE-100.22	EXAMINED WHILE THE SYSTEM WAS AT 2235 PSIG AND 547° F	
Revision No. 2		
Examiner <i>MIXON, [Signature]</i>	Level II	
Examiner <i>Scott R. Erickson</i>	Level II	
Examiner <i>Maia J. Hill</i>	Level II	
Examiner <i>Bill Ash</i>	Level II	
Examiner <i>Thom [Signature]</i>	Level II	
Date (Month-Day-Year) May 21, 2000		
SKETCH		
Examination (Per Para. 7.5)		
☒ Sat ☒ *Unsat All UNSAT areas evaluated or repaired. Final disposition for all areas is SAT.		
*Provide details on unsat areas: Q1E21V0016A, Q1E21V0016B, Q1E21V0063, Q1E21V0068, Q1E21V0072 – light dry boron build-up on valve stem; evaluated to be satisfactory. Q1E11V0044 – light dry intermittent boron build-up on body to bonnet gasket. No bolting affected; evaluated to be satisfactory. Seal table – 2 tubes (N8, M3) with dry boron around fittings, 3 tubes (H13, L14, E5) with water standing on the fitting, no drops falling; all evaluated as satisfactory. Q1E21V0368 – packing wet but not dripping; packing adjusted, moisture dried up and did not return. Q1E21V0529B – pipe cap leak; pipe cap resealed, leak stopped. Transmitter Q1E21LT0922 – leaking; plug tightened, leak stopped. Q1E21V0416B – pipe cap leak; pipe cap resealed, leak stopped.		
Comments		

TO: DOCUMENT CONTROL

SUBJECT: Leakage from FNP-1 seal table tubes E5, L14, and H13 following the RCS leakage test

References: FNP-1-SOP-1.4

1. DESCRIPTION OF PROBLEM: When performing the RCS leak test during the startup of Unit 1 following 1R16, a small amount of water was found on the seal table in the vicinity of incore tubes E5, L14, and H13. A small amount of dry boron was noted around tubes N-8 and M-3. The inspectors noted that a very small puddle of water collected around tube E5, L14, and H13 and that no water was running off the table.

2. EVALUATION PERFORMED: Maintenance personnel recommend that no more tightening of the compression fittings, which form the pressure boundary between the flux thimble assembly and the thimble guide tube, be accomplished. The area around the three tubes was cleaned and dried. Upon reexamination after a significant amount of time had passed, the volume of water present had not increased; therefore, the leak is not becoming worse. The current leak rate is slight and is a very small fraction of the allowable RCS Technical Specification leakage. The leakage is less than the 2 drops/minute allowable, for each thimble tube, indicated in the SCS response to REA98-1915 (letter #FP 99-0224).

The seal table is made of stainless steel, which is resistant to boric acid attack. If a sufficient quantity of water collects on the table, it will flow into the provided drain holes and subsequently into the containment sump. This collection process will prevent damage to any susceptible materials that may be in the area.

3. CONCLUSION: This amount of leakage is negligible in terms of component damage and operational effects. The seal table and incore tubes should be capable of performing the intended safety function during the next operating cycle.

Charles W. Dean 5/21/00
Prepared by

David Hattler 5/21/00
Reviewed/Approved by

02/28/00 07:55:50

SHARED

FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

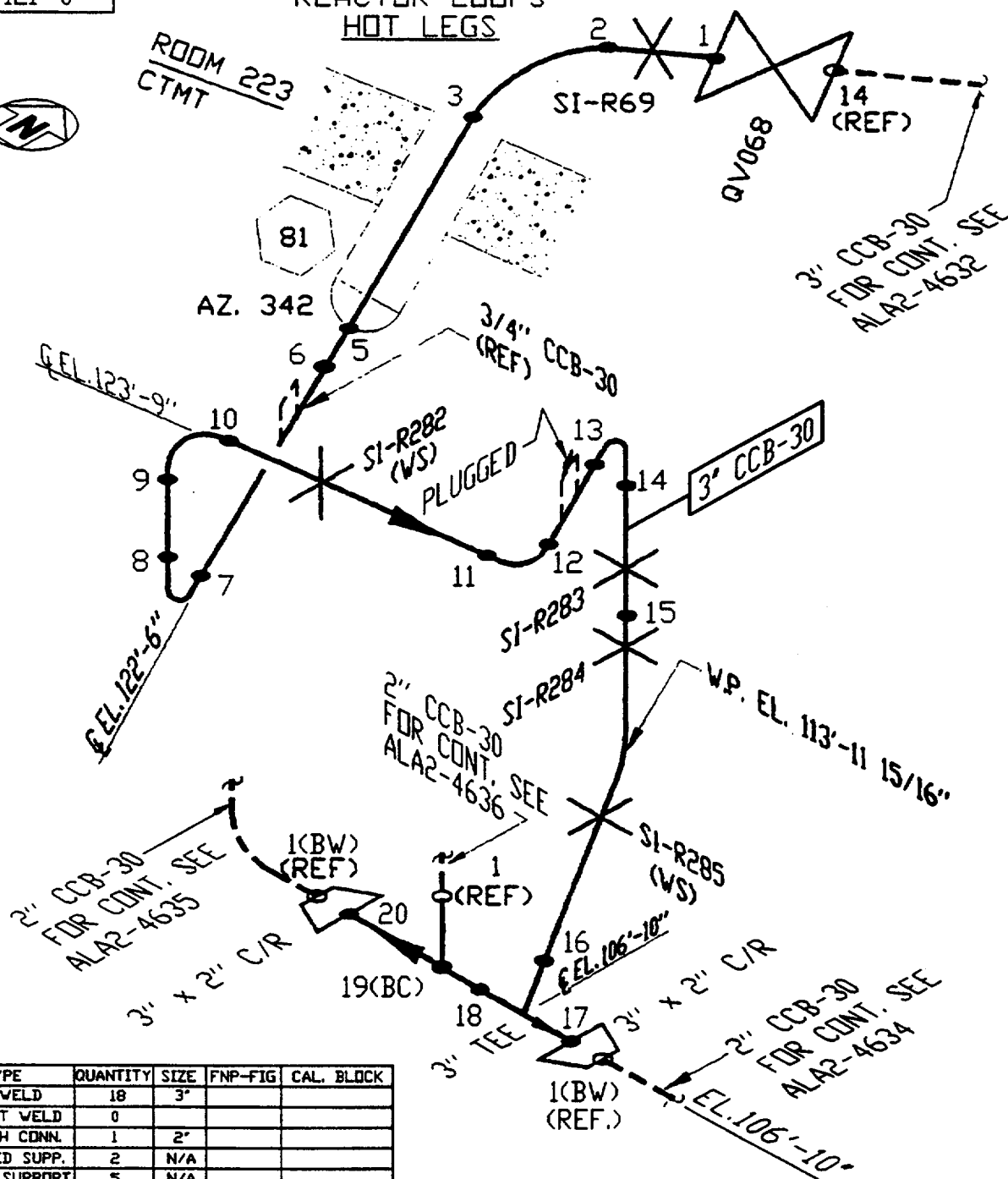
FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package 2"/3" CCB-30	Drawing Number ALA2-4633, 4634, 4635, 4636
WO/WA No. N/A		System Boundaries examined areas between Q1EZ1V068 and check values Q1EZ1V078 A, B & C	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner Manfred Hill	Level II		
Examiner Scott R. Erickson	Level II		
Date (Month-Day-Year) 05-21-00			
SKETCH			
		Note: System in operation in excess of 4 hrs @ NOP/NOT per Unit 1 Control room.	
Examination (Per Para. 7.5) _____ Sat ☒ *Unsat ①			
*Provide details on unsat areas LIGHT DRY BORON BUILD-UP ON STEM OF QV068 ON ALA2-4633			
① Sat per Engineering evaluation attached			
Comments AUX BLDG. PORTION OF RR-30 SEGMENT 1 EXAMINED BY SCOTT R. ERICKSON SRE 5-21-00			
Containment portion examined by M. Girell no leakage noted in CTMT ALN 5-21-00			

CTMT/
AUXILIARY
EL. 121'-0"HIGH HEAD SAFETY INJECTION
REACTOR LOOPS
HOT LEGS

ALA2-4633



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	18	3"		
SOCKET WELD	0			
BRANCH CONN.	1	2"		
WELDED SUPP.	2	N/A		
COMP. SUPPORT	5	N/A		

LINE NUMBER: Q-1-E21-CCB-30

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISO'S D-514520 SH. 1

LINE SIZE: 3" CCB-30

D-514717 SH. 1

0	3-26-98	DRW	JAR	ISSUED PER REA 96-1295 REV.0	LDT	DLG	APPR.1	APPR.2	APPR.3	APPR.4
REV.	DATE	BY	CHK'D	DESCRIPTION						

Southern Company Services, Inc. for E21-HIGH HEAD SAFETY INJECTION SYSTEM

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

198

0

CAD LA24633

ACAD/IVY RAV-01

CTMT
EL. 105'-6"2" HIGH HEAD SAFETY INJECTION
HOT LEG
LOOP 1

ALA2-4634

2" CCA-29
FOR CONT. SEE
ALA1-4103QV078A
(REF.)28
(REF.)

SS-1983

CCA
CCB

EL. 121'-6"

EL. 114'-3 1/2"

SS-1982

QV0718

2" CCB-30

FE
985

SS-1982

3" x 2" C/R
(REF.)3" CCB-30
FOR CONT. SEE
ALA2-4633SK1-28
SK1-1

1(BW)

EL. 106'-10"

3/4" CCB-30
(REF.)

TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	3	2"		
LONG SEAM WELD				
SOCKET WELD	13	2"		
WELDED SUPP.	0	N/A		
COMP. SUPPORT	2	N/A		

LINE NUMBER: Q-1-E21-CCB-30

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISO'S D-518121 SH. 2

LINE SIZE: 2" CCB-30

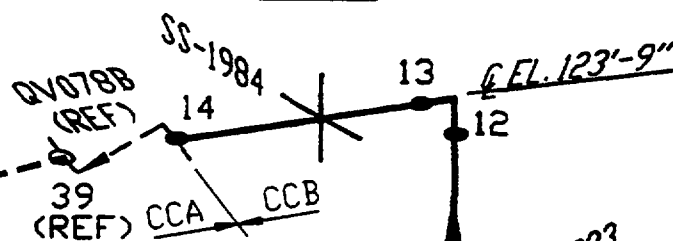
0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0	LDT	DLG	REV		
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for	E21-HIGH HEAD SAFETY INJECTION SYSTEM
ALABAMA POWER COMPANY JOSEPH M. FARLEY NUCLEAR PLANT UNIT 1	SCS DRAWING NUMBER A-351192 SHEET 199 REV. 0

CAD LA24634
ACAD/DVY RAV-01

CTMT
EL. 105'-6"2" HIGH HEAD SAFETY INJECTION
HOT LEG
LOOP 3

ALA2-4635

2" CCA-30
FOR CONT. SEE
ALA1-4204

2" CCB-30

5(BW)

4(BW)

3" x 2" C/R
(REF.)3" CCB-30
FOR CONT. SEE
ALA2-4633

TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	3	2"		
LONG SEAM WELD				
SOCKET WELD	11	2"		
WELDED SUPP.	0	N/A		
COMP. SUPPORT	2	N/A		

LINE NUMBER: Q-1-E21-CCB-30

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISO'S D-518118 SH. 2

LINE SIZE: 2" CCB-30

0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0	LDT	DLG	DEFV		
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for E21-HIGH HEAD SAFETY INJECTION SYSTEM

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

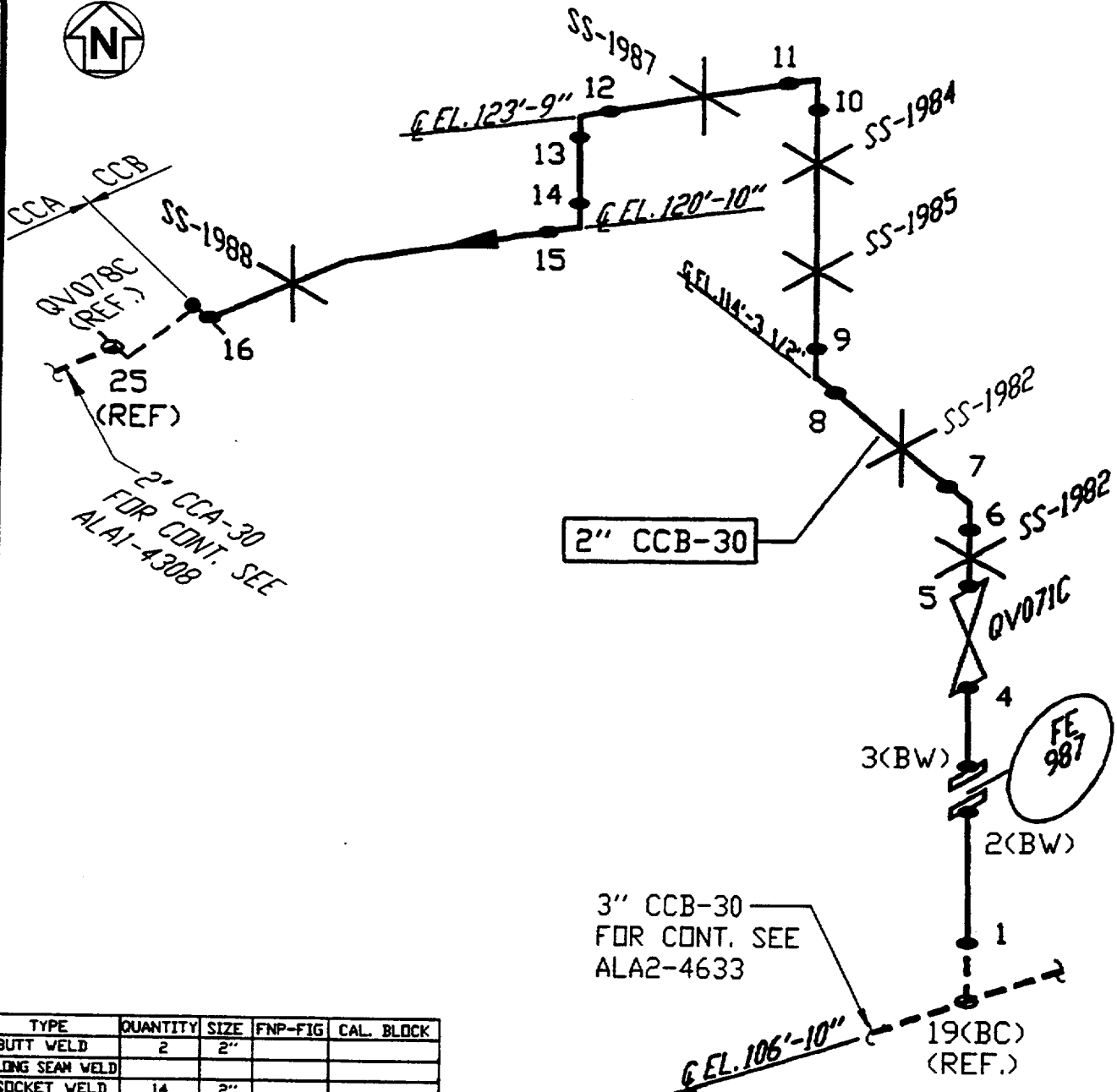
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CAD L24635
ACADVY RAV-01

CTMT
EL. 105'-6"2" HIGH HEAD SAFETY INJECTION
HOT LEG
LOOP 3

ALA2-4636



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	2	2"		
LONG SEAM WELD				
SOCKET WELD	14	2"		
WELDED SUPP.	0	N/A		
COMP. SUPPORT	5	N/A		

LINE NUMBER: Q-1-E21-CCB-30

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISO'S D-518129 SH. 2

LINE SIZE: 2" CCB-30

0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0	LDT	DLG	REV		
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for E21-HIGH HEAD SAFETY INJECTION SYSTEM

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

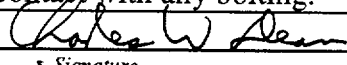
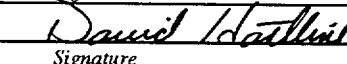
A-351192

201

0

CAD LA24636
ACADSVY RAV-01

Leakage Bolt Evaluation
per Relief Request RR-23 and Generic Bolting Evaluation

Equipment Number:	Q1E21V068		
Work Order Number:	NA		
Item Description:	Charging Pump Recirc. to RCS Hot Legs		
Manufacturer/Model	Velan Valve Corporation/ 3-GM78FNW		
Vendor Drawing Number:	U264635		
Bolting/ Nut Material:	ASME SA-453 GR.660/ ASME SA-193 GR.6(410)		
Valve Body Material:	ASME SA-182 GR. F316		
Valve Repair Procedure Number:			
Thread Sealant Type:	Fel-Pro N-5000		
Description/ Location of Leakage	Light dry boron build-up on valve stem.		
Inspection Procedure/ Frequency:	* VT-2 examination once every 40-month ISI period * General Walkdown for Boron Leakage performed each refueling outage		
Leakage/Repair History of Connection:	* WO 171481 04/18/88 Yoke loose. Set screws removed and replaced with new ones. * Numerous packing leaks and problems.		
Service Age of Bolting:	Set screws replaced on 04/18/88 per WO 171481.		
Results of Visual Exam:			
Are any bolts corroded by boric acid attack?	The visual examination found the bolts in satisfactory condition with no signs of degradation on any bolts.		
Is the valve/bolt interface corroded by boric acid attack?	The visual examination found the valve in satisfactory condition with no signs of corrosion on the valve/bolt interfaces.		
Bolting Evaluation:	The bolt and valve material are resistant to boric acid attack. A visual examination performed on 05/21/00 found no signs of pitting, corrosion, or erosion on the bolting or valve flange. Based on this evaluation this bolted connection is considered satisfactory for continued service.		
Disposition of Leak:	Acceptable per evaluation. This is a packing leak which is not coming into contact with any bolting.		
Prepared by:	 Signature 5/21/00 Date		
Reviewed/Approved by:	 Signature 5/21/00 Date		

02/28/00 07:55:50

SHARED

FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

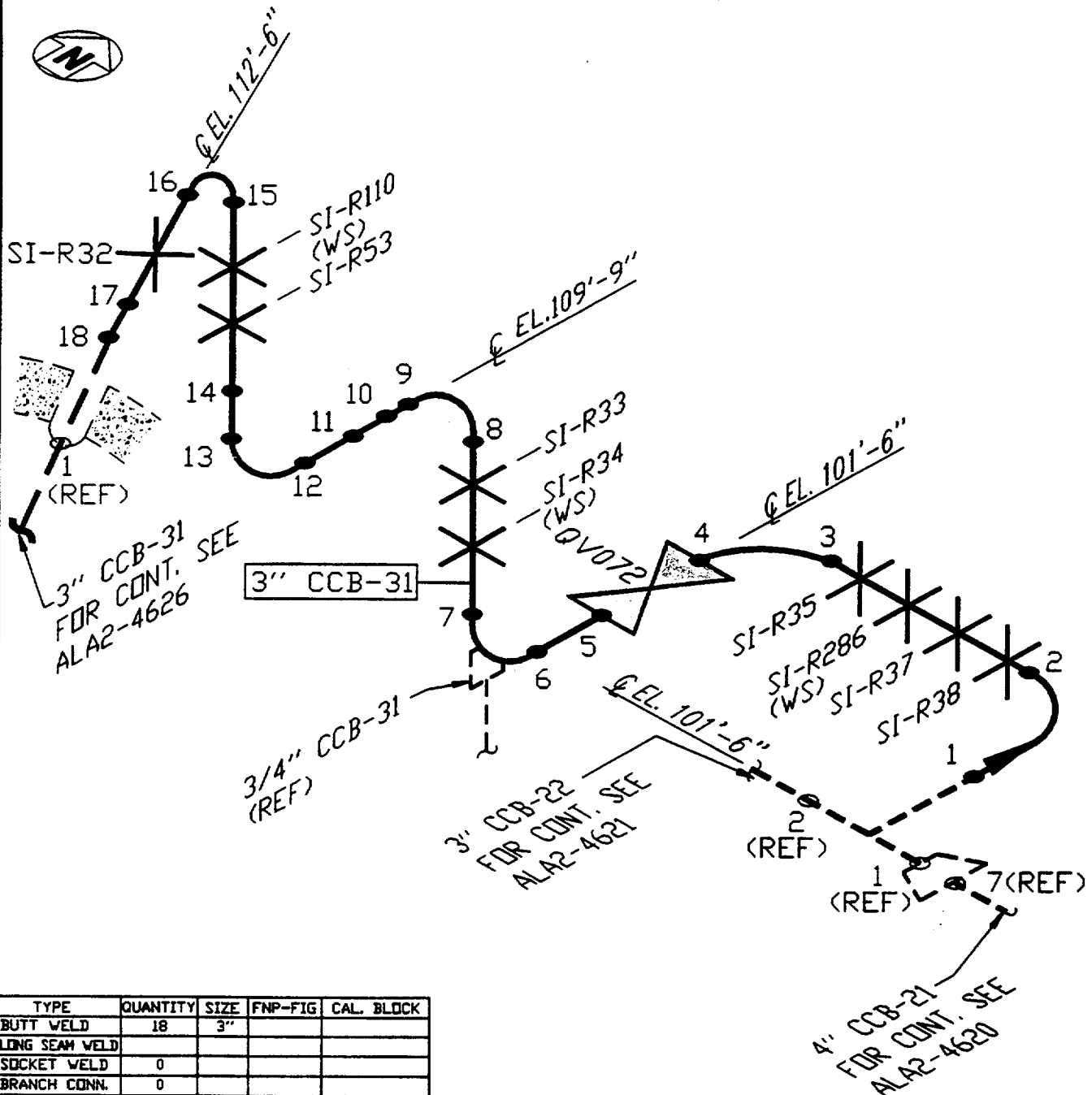
SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package 2/3" CC13-31	Drawing Number ALA2-4625, 4626, 4627, 4628, 4629
WO/WA No. N/A		System Boundaries EXAMINED FROM Q1E21V072 TO Q1E21V079 A,B,&C	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner Manfred Hill	Level III		
Examiner Scott R. Erickson	Level II		
Date (Month-Day-Year) 05-21-00			
SKETCH			
		Note: System in operation in excess of 4 hrs per Unit 1 Control room.	
Examination (Per Para. 7.5) _____ Sat ☒ *Unsat ①			
*Provide details on unsat areas LIGHT DRY BORDN BUILD-UP ON STEM OF QV072 ON ALA2-4625			
① Sat per attached engineering evaluation.			
Comments AUX. BLDG. PORTION OF RR-30 SEGMENT 2 EXAMINED BY SCOTT R. ERICKSON SPE 5-21-00			
CONTAINMENT PORTION EXAM BY M. GRELL No leakage noted @ time of exam MAY 5-21-00			

AUXILIARY
EL. 100'-0"
ROOM 184

HIGH HEAD SAFETY INJECTION

ALA2-4625



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	18	3"		
LONG SEAM WELD				
SOCKET WELD	0			
BRANCH CONN.	0			
WELDED SUPP.	3	N/A		
COMP. SUPPORT	9	N/A		

LINE NUMBER: Q-1-E21-CCB-31

BOUNDARY DIAGRAM D-351115 SH. 1

LINE SIZE: 3" CCB-31

REFERENCE ISO'S D-514397 SH. 1

0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0	LDT	DLG	REV		
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for E21-HIGH HEAD SAFETY INJECTION SYSTEM

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

190

0

CAD LA24625
JLB-02
AUTOCAD

ALA2-4626



Q EL. 112'-6"

HHSI PUMP DISCHARGE TO REACTOR LOOPS

- 2" CCB-31
FOR CONT. SEE
ALA2-4629

3/4" CCB-31
(REF)

80
AZ. 330°

S1-R278
(WS)

3'' CCB-31

(REF) 3" x 2"
C/R

2" CCB-31
-FOR CONT. SEE
ALA2-4628

- 3/4" CCB-31
(REF)

2" CCB-31
- FOR CONT. SEE
ALA2-4627

TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	11	3"		
SOCKET WELD				
BRANCH CONN.	2	2"		
WELDED SUPP.	1	N/A		
COMP. SUPPORT	3	N/A		

LINE NUMBER: Q-1-E21-CCB-31

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISO'S	D-514717 SH. 1
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LINE SIZE: 3" CCB-31

0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0	LDT	DLG	IN DEV		
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for	E21-HIGH HEAD SAFETY INJECTION SYSTEM		
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ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

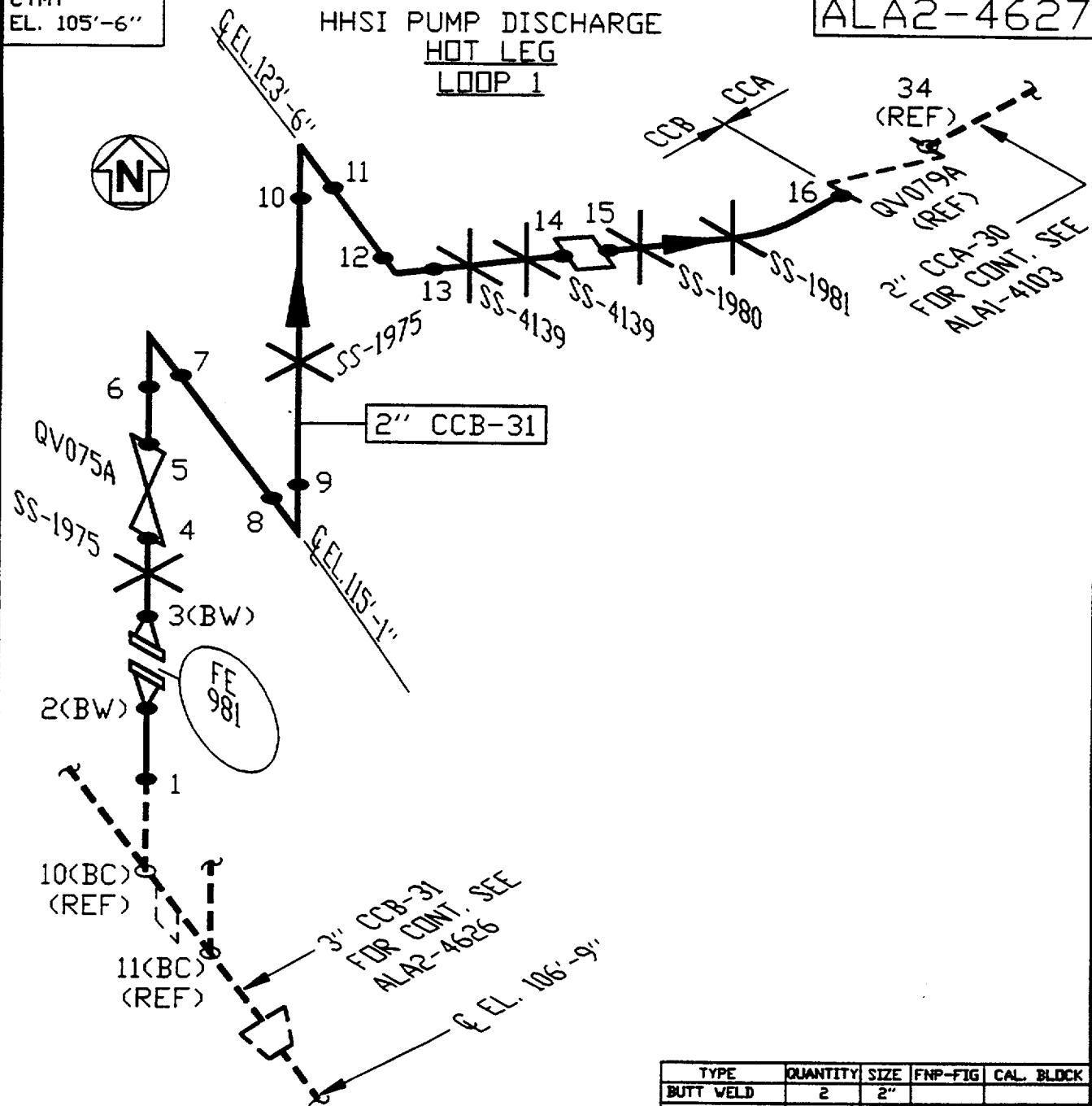
191

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CAD LA24626
AUTOCAD ALB-02

CTMT
EL. 105'-6"HHSI PUMP DISCHARGE
HOT LEG
LOOP 1

ALA2-4627



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	2	2"		
LONG SEAM WELD				
SOCKET WELD	14	2"		
BRANCH CONN.	0			
WELDED SUPP.	0			
COMP. SUPPORT	4	N/A		

LINE NUMBER: Q-1-E21-CCB-31

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISO'S D-518136 SH. 2

LINE SIZE: 2" CCB-31

0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0
REV.	DATE	BY	CHK'D	DESCRIPTION

LDT

DLG

REV

APPR.1

APPR.2

APPR.3

APPR.4

Southern Company Services, Inc. for

E21-HIGH HEAD SAFETY INJECTION SYSTEM

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

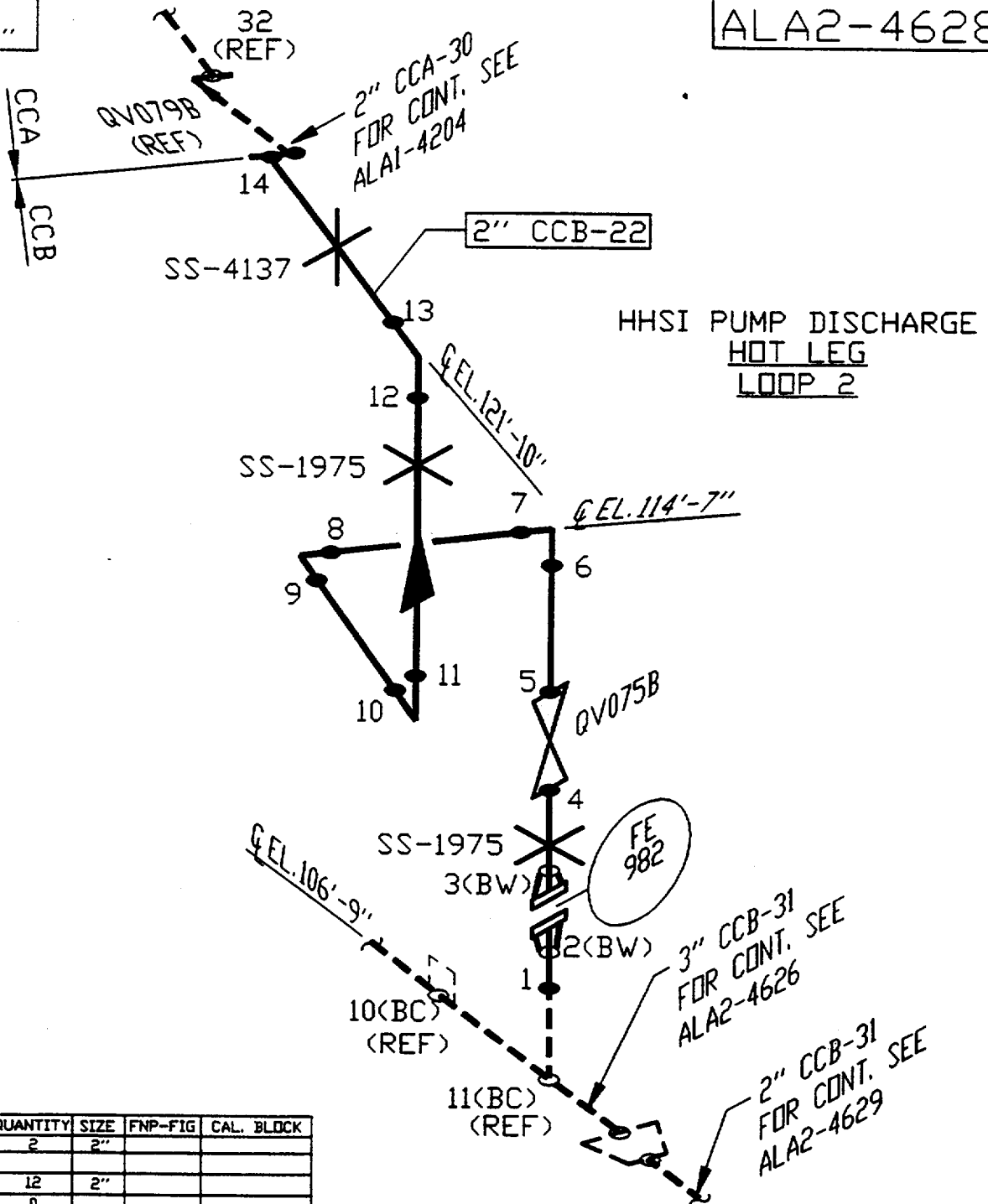
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CAD: LA24627
AUTOCAD JLB-2

CTMT
EL. 105'-6"

ALA2-4628



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	2	2"		
LONG SEAM WELD				
SOCKET WELD	12	2"		
BRANCH CONN.	0			
WELDED SUPP.	0			
COMP. SUPPORT	2	N/A		

LINE NUMBER: Q-1-E21-CCB-22

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISO'S D-518133 SH. 2

LINE SIZE: 2" CCB-22

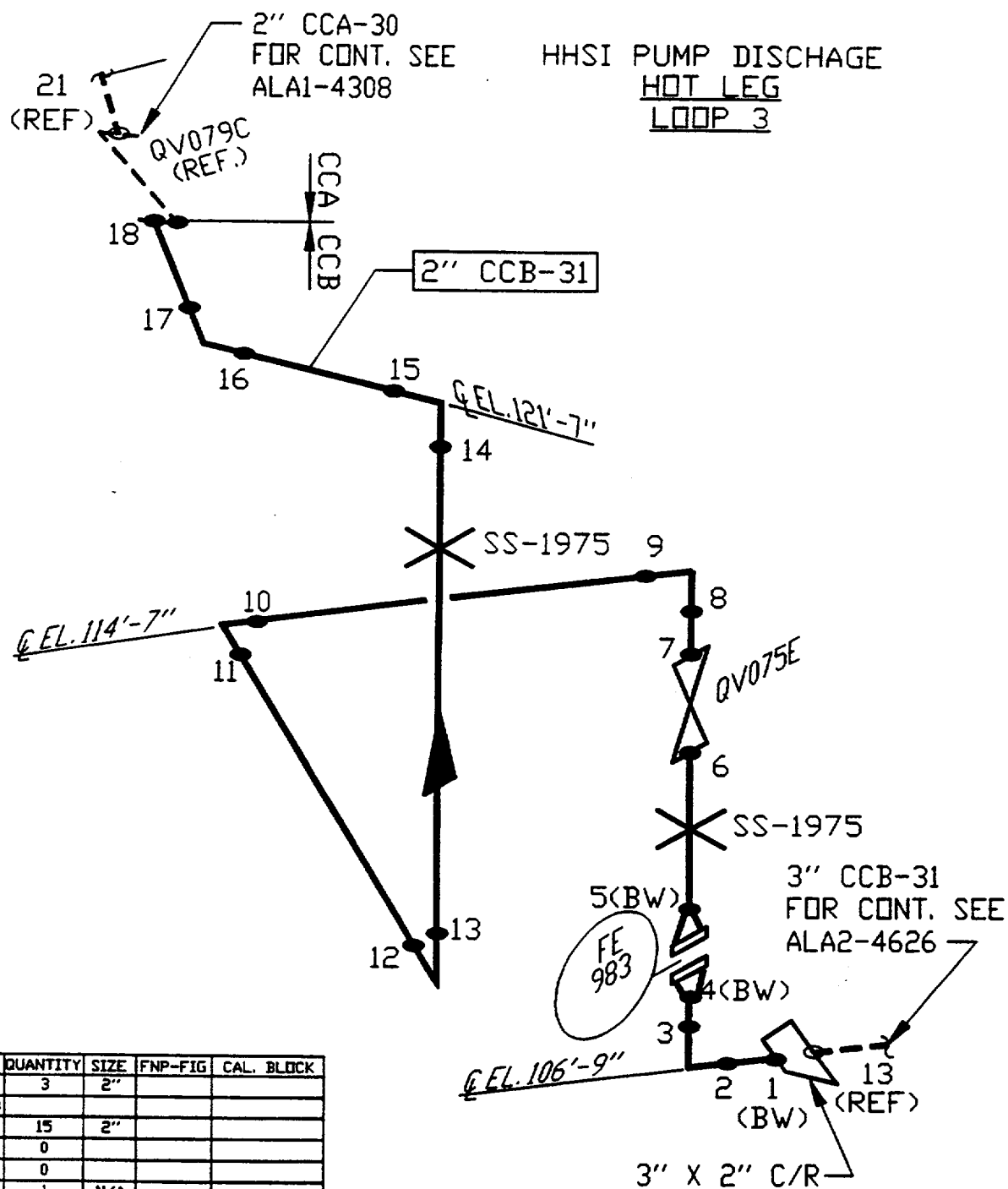
0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0	LDT	DLG	REV		
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for					E21-HIGH HEAD SAFETY INJECTION SYSTEM			
ALABAMA POWER COMPANY					SCS DRAWING NUMBER		SHEET	REV.
JOSEPH M. FARLEY NUCLEAR PLANT					A-351192		193	0
UNIT 1								

 CAD LA24628
 AUTOCAD JLB-02

CTMT
EL. 105'-6"

ALA2-4629



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	3	2"		
LONG SEAM WELD				
SOCKET WELD	15	2"		
BRANCH CONN.	0			
WELDED SUPP.	0			
COMP. SUPPORT	1	N/A		

LINE NUMBER: Q-1-E21-CCB-31

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISO'S D-518130 SH. 2

LINE SIZE: 2" CCB-31

0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0	LDT	DLG	REV		
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for E21-HIGH HEAD SAFETY INJECTION SYSTEM

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

194

0

CAD LAR24629
AUTOCAD JLB-02

Leakage Bolt Evaluation
per Relief Request RR-23 and Generic Bolting Evaluation

Equipment Number:	Q1E21V072		
Work Order Number:	NA		
Item Description:	Charging Pump Recirc. to RCS Hot Legs		
Manufacturer/Model	Velan Valve Corporation/ 3-GM78FNW		
Vendor Drawing Number:	U264635		
Bolting/ Nut Material:	ASME SA-453 GR.660/ ASME SA-193 GR.6(410)		
Valve Body Material:	ASME SA-182 GR. F316		
Valve Repair Procedure Number:			
Thread Sealant Type:	Fel-Pro N-5000		
Description/ Location of Leakage	Light dry boron build-up on valve stem.		
Inspection Procedure/ Frequency:	* VT-2 examination once every 40-month ISI period * General Walkdown for Boron Leakage performed each refueling outage		
Leakage/Repair History of Connection:	* WO 171451 04/06/88 Yoke loose. Set screws removed, inspected and replaced with new screws. * Numerous packing problems and leakage.		
Service Age of Bolting:	Set screws replaced on 04/06/88 per WO 171451.		
Results of Visual Exam:			
Are any bolts corroded by boric acid attack?	The visual examination found the bolts in satisfactory condition with no signs of degradation on any bolts.		
Is the valve/bolt interface corroded by boric acid attack?	The visual examination found the valve in satisfactory condition with no signs of corrosion on the valve/bolt interfaces.		
Bolting Evaluation:	The bolt and valve material are resistant to boric acid attack. A visual examination performed on 05/21/00 found no signs of pitting, corrosion, or erosion on the bolting or valve flange. Based on this evaluation this bolted connection is considered satisfactory for continued service.		
Disposition of Leak:	Acceptable per evaluation. This is a packing leak which is not coming into contact with any bolting.		
Prepared by:	<i>Robert W. Dean</i> Signature 5/21/00 Date		
Reviewed/Approved by:	<i>Samuel Hallin</i> Signature 5/21/00 Date		

02/28/00 07:55:50

SHARED

FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

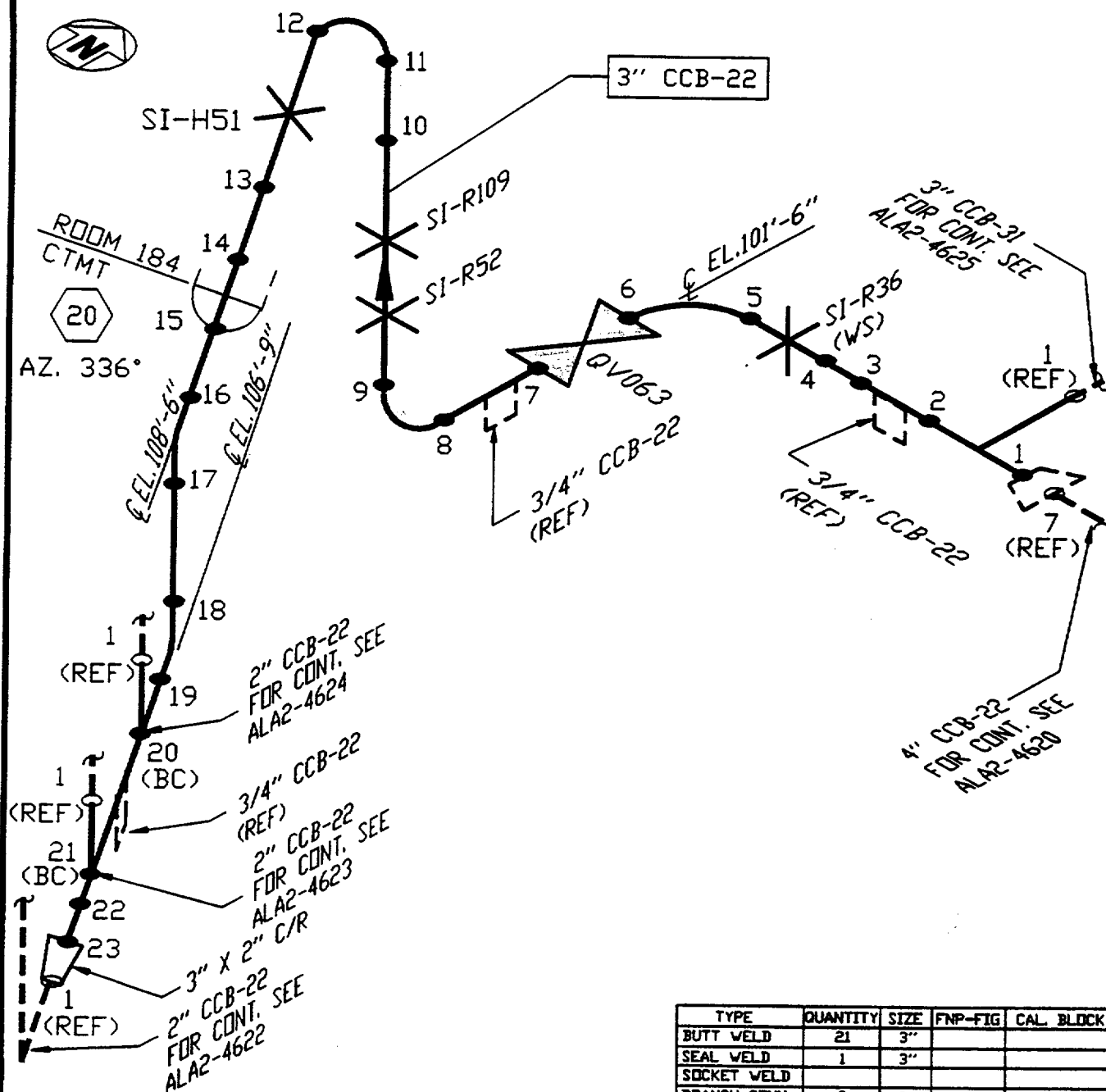
FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package 2"/3" CCB-22	Drawing Number ALA2-4621, 4622, 4623, 4624
WO/WA No. N/A		System Boundaries Q1E21V063 TO Q1E21V066C, B, & A	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner Manfred Hill	Level		
Examiner Scott R. Erickson	Level II		
Date (Month-Day-Year) 05-21-00			
SKETCH			
		Note: system in operation in excess of 4hrs @ NOP/NOT PER UNIT 1 Control room.	
Examination (Per Para. 7.5) _____ Sat ☒ *Unsat ①			
*Provide details on unsat areas LIGHT DRY BDRON BUILD-UP ON STEM OF QVD63 ON ALA2-4621			
① Sat per engineering evaluation attached			
Comments AUX. BLDG. PORTION OF RR-30 SEGMENT 3 EXAMINED BY SCOTT R. ERICKSON SRE 5-21-00			
CTMT Portion examined by M. Grell. No leakage noted in CTMT 5/21/00			

AUXILIARY
EL. 100'-0"HIGH HEAD SAFETY INJECTION
TO REACTOR LOOPS

ALA2-4621



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	21	3"		
SEAL WELD	1	3"		
SOCKET WELD				
BRANCH CONN.	2	2"		
WELDED SUPP.	1	N/A		
COMP. SUPPORT	4	N/A		

LINE NUMBER: Q-1-E21-CCB-22

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISO'S D-514397 SH. 1

LINE SIZE: 3" CCB-22

D-514717 SH. 1

REV.	DATE	BY	CHK'D	DESCRIPTION	LDT	DLG	APPR.1	APPR.2	APPR.3	APPR.4
0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0						

Southern Company Services, Inc. for E21-HIGH HEAD SAFETY INJECTION SYSTEM

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

186

0

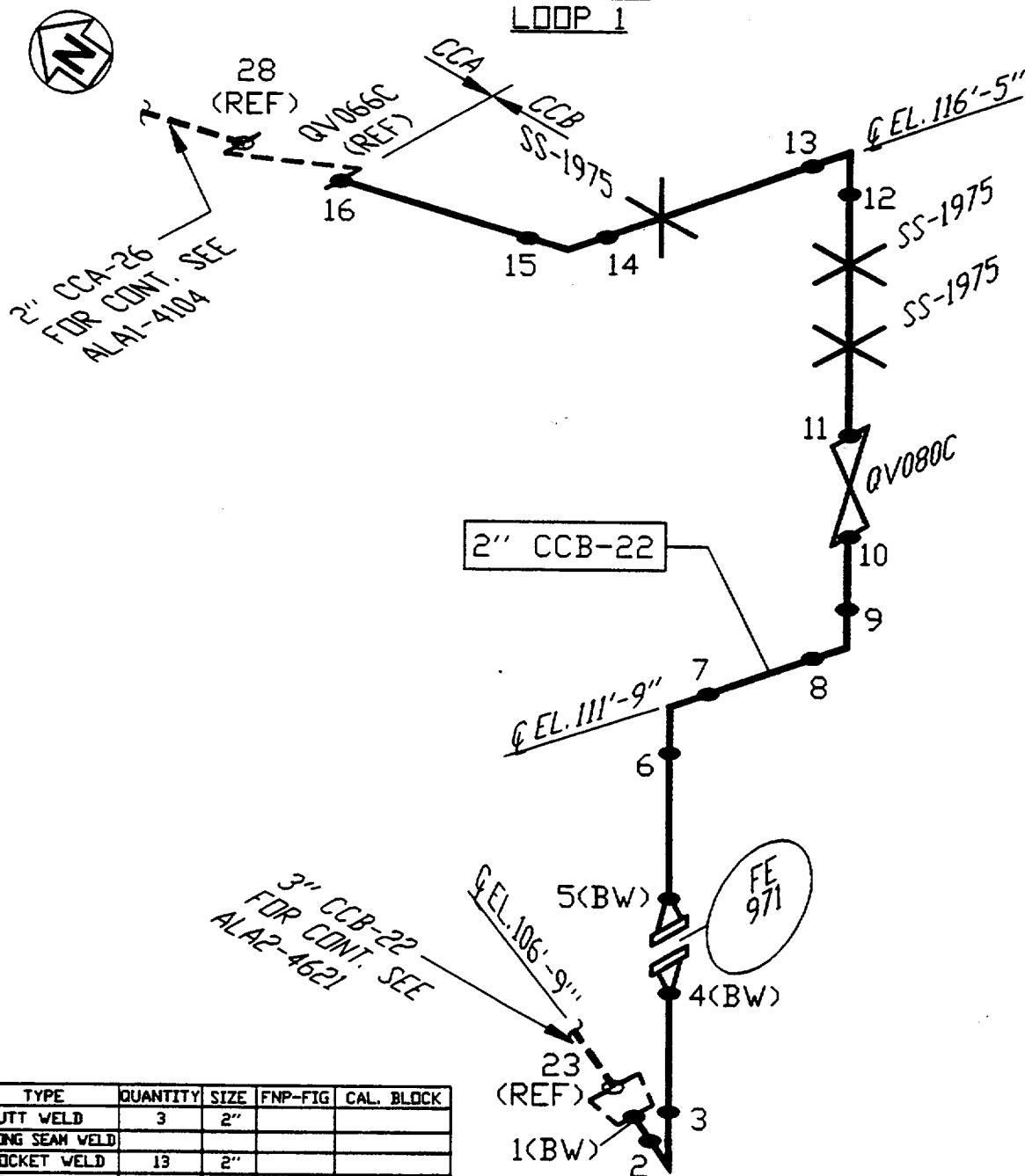
CAD LA24621

AUTOCAD JLB-02

CTMT
EL. 105'-6"

2" HIGH HEAD SAFETY INJECTION

ALA2-4622

COLD LEG
LOOP 1

TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	3	2"		
LONG SEAM WELD				
SOCKET WELD	13	2"		
BRANCH CONN.	0			
WELDED SUPP.	0	N/A		
COMP. SUPPORT	1	N/A		

LINE NUMBER: Q-1-E21-CCB-22

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISO'S D-518138 SH. 2

LINE SIZE: 2" CCB-22

0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0	LDT	DLG	DEV		
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for E21-HIGH HEAD SAFETY INJECTION SYSTEM

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

187

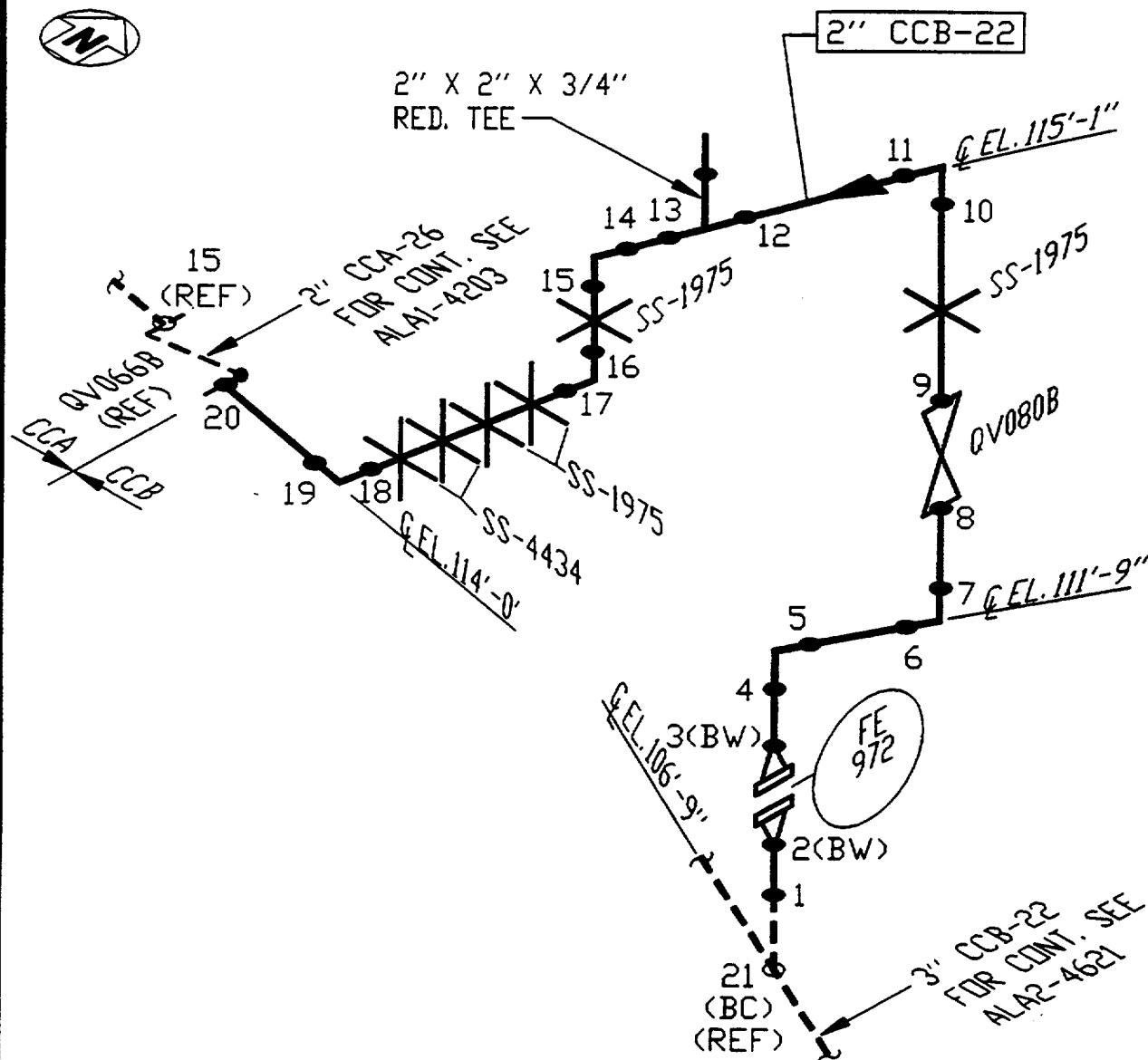
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CAD LA24622
AUTOCAD JLB-02

CTMT
EL. 105'-6"

2" HIGH HEAD SAFETY INJECTION
COLD LEG
LOOP 2

ALA2-4623



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	2	2"		
LONG SEAM WELD				
SOCKET WELD	18	2"		
BRANCH CONN.	0			
WELDED SUPP.	0			
COMP. SUPPORT	2	N/A		

LINE NUMBER: Q-1-E21-CCB-22

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISO'S	D-518137 SH. 2
-----------------	----------------

LINE SIZE: 2" CCB-22

0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0	LDT	DLG		
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4

Southern Company Services, Inc. for	E21-HIGH HEAD SAFETY INJECTION SYSTEM
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ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

188

0

CAD LA24623
AUTOCAD JLB-02

CTMT
EL. 105'-6"

ALA2-4624



2" HIGH HEAD SAFETY INJECTION
COLD LEG
LOOP 3

2" CCA-26
FOR CONT. SEE
ALAI-4303

QV066A
(REF)

40
(KREF)

CCA
CC8

2" CCB-22

QV080A

EL. 115'-1"

SS-1975

3(BW)

FE
973

2(BW)

EL. 106'-9"

3" CCB-21
FOR CONT. SEE
ALAI-4621

TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	2	2"		
LONG SEAM WELD				
SOCKET WELD	10	2"		
BRANCH CONN.	0			
WELDED SUPP.	0			
COMP. SUPPORT	1	N/A		

20
(BC)
(REF)

LINE NUMBER: Q-1-E21-CCB-22

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISO'S D-518139 SH. 2

LINE SIZE: 2" CCB-22

0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0	LDT	DLG	REV		
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for E21-HIGH HEAD SAFETY INJECTION SYSTEM

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

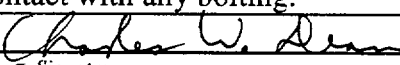
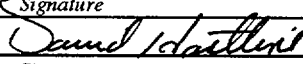
A-351192

189

0

CAD LA24624
AUTOCAD JLB-02

Leakage Bolt Evaluation
per Relief Request RR-23 and Generic Bolting Evaluation

Equipment Number:	Q1E21V063	
Work Order Number:	NA	
Item Description:	Charging Pump Recirc. to RCS Cold Leg	
Manufacturer/Model	Velan Valve Corporation/ 3-GM78FNW	
Vendor Drawing Number:	U264635	
Bolting/ Nut Material:	ASME SA-453 GR.660/ ASME SA-193 GR.6(410)	
Valve Body Material:	ASME SA-182 GR. F316	
Valve Repair Procedure Number:		
Thread Sealant Type:	Fel-Pro N-5000	
Description/ Location of Leakage	Light dry boron build-up on valve stem.	
Inspection Procedure/ Frequency:	* VT-2 examination once every 40-month ISI period * General Walkdown for Boron Leakage performed each refueling outage	
Leakage/Repair History of Connection:	* WO 171456 04/08/88 Yoke loose. Set screws removed and replaced with new ones. * Numerous packing leaks and problems.	
Service Age of Bolting:	Set screws replaced on 04/08/88 per WO 171456.	
Results of Visual Exam:		
Are any bolts corroded by boric acid attack?	The visual examination found the bolts in satisfactory condition with no signs of degradation on any bolts.	
Is the valve/bolt interface corroded by boric acid attack?	The visual examination found the valve in satisfactory condition with no signs of corrosion on the valve/bolt interfaces.	
Bolting Evaluation:	The bolt and valve material are resistant to boric acid attack. A visual examination performed on 05/21/00 found no signs of pitting, corrosion, or erosion on the bolting or valve flange. Based on this evaluation this bolted connection is considered satisfactory for continued service.	
Disposition of Leak:	Acceptable per evaluation. This is a packing leak which is not coming into contact with any bolting.	
Prepared by:	 Signature	5/21/00 Date
Reviewed/Approved by:	 Signature	5/21/00 Date

02/28/00 07:55:50

SHARED

FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

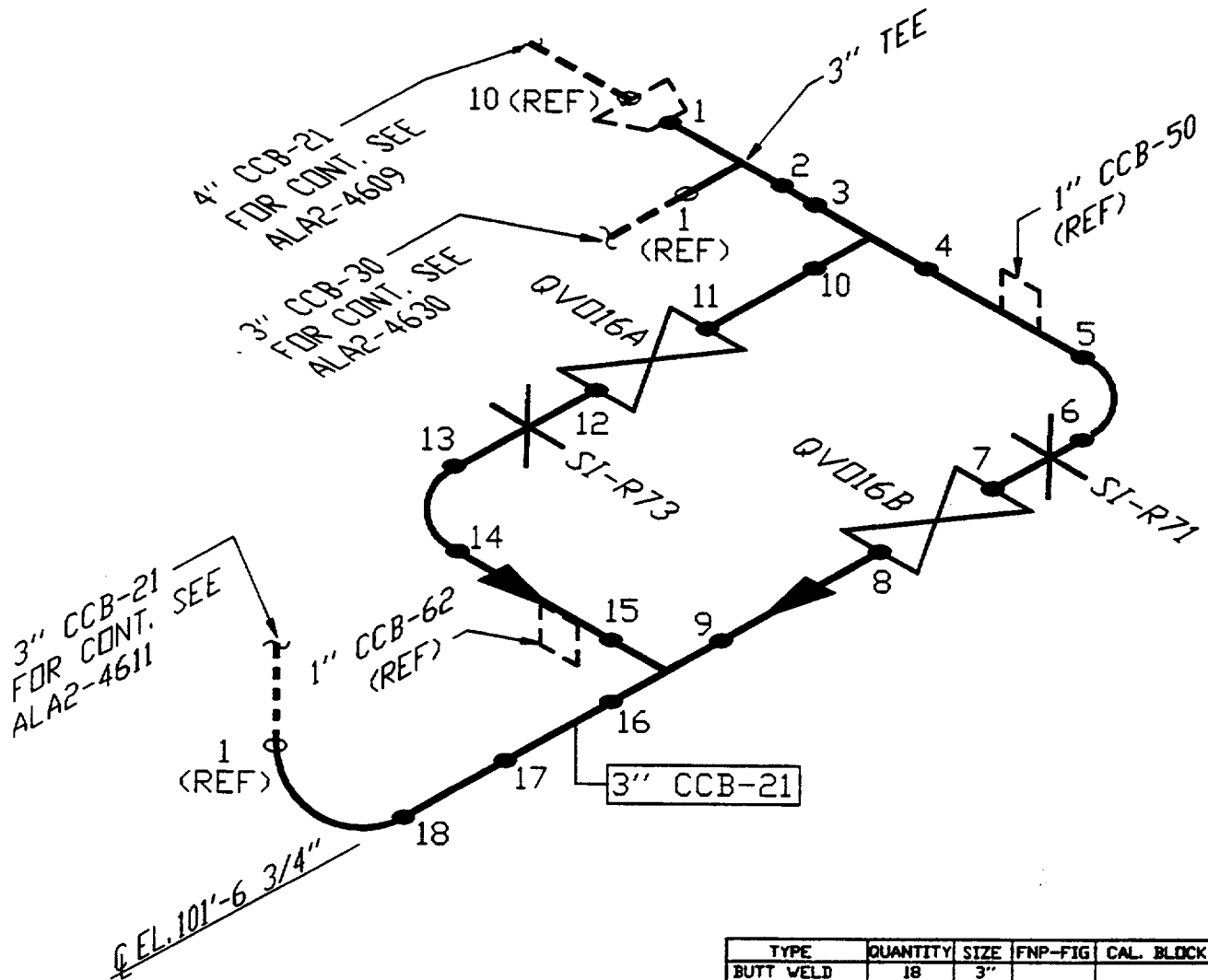
SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package 2 2/3" CCB-21	Drawing Number ALA2-4610, 4611, 4612, 4613, 4614, 4615, 4616, 4617, 4618
WO/WA No. N/A		System Boundaries examined from valves Q1E2IV016 A & B TO Q1E2IV062A, B & C.	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner Manfred Hill	Level II		
Examiner Scott R. Erickson	Level II		
Date (Month-Day-Year) 05-21-00			
SKETCH N/A			
		Note: examined after 4 hrs @ MOP/NOT per Unit 1 Control room	
Examination (Per Para. 7.5) _____ Sat ☒ *Unsat ^①			
*Provide details on unsat areas LIGHT DRY BORON BUILD-UP ON STEM OF QVD16A & MODERATE DRY BORON BUILD-UP ON PACKING GLAND OF QVD16B ON ALA2-4610 ① Sat per attached engineering evaluation.			
Comments AUX. BLDG. PORTION OF RR-30 SEGMENT 4 EXAMINED BY SCOTT R. ERICKSON SRE 5-21-00			
Containment portion examined by M. Hill No leakage noted @ time of exam MMH 5/21/00			

AUXILIARY
EL. 100'-0"
ROOM 172

HHSI PUMP DISCHARGE

ALA2-4610



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	18	3"		
BUTT WELD				
LONG SEAM WELD				
SOCKET WELD	0			
BRANCH CONN.	0			
WELDED SUPP.	0			
COMP. SUPPORT	2	N/A		

LINE NUMBER: Q-1-E21-CCB-21

BOUNDARY DIAGRAM D-351115 SH. 1

LINE SIZE: 3" CCB-21

REFERENCE ISO'S D-514398 SH. 1

0 3-26-98 HSK JAR ISSUED PER REA 96-1295 REV.0

LDT

DLG

REV. DATE BY CHK'D DESCRIPTION

APPR.1

APPR.2

APPR.3

APPR.4

Southern Company Services, Inc. for E21-HIGH HEAD SAFETY INJECTION SYS

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

175

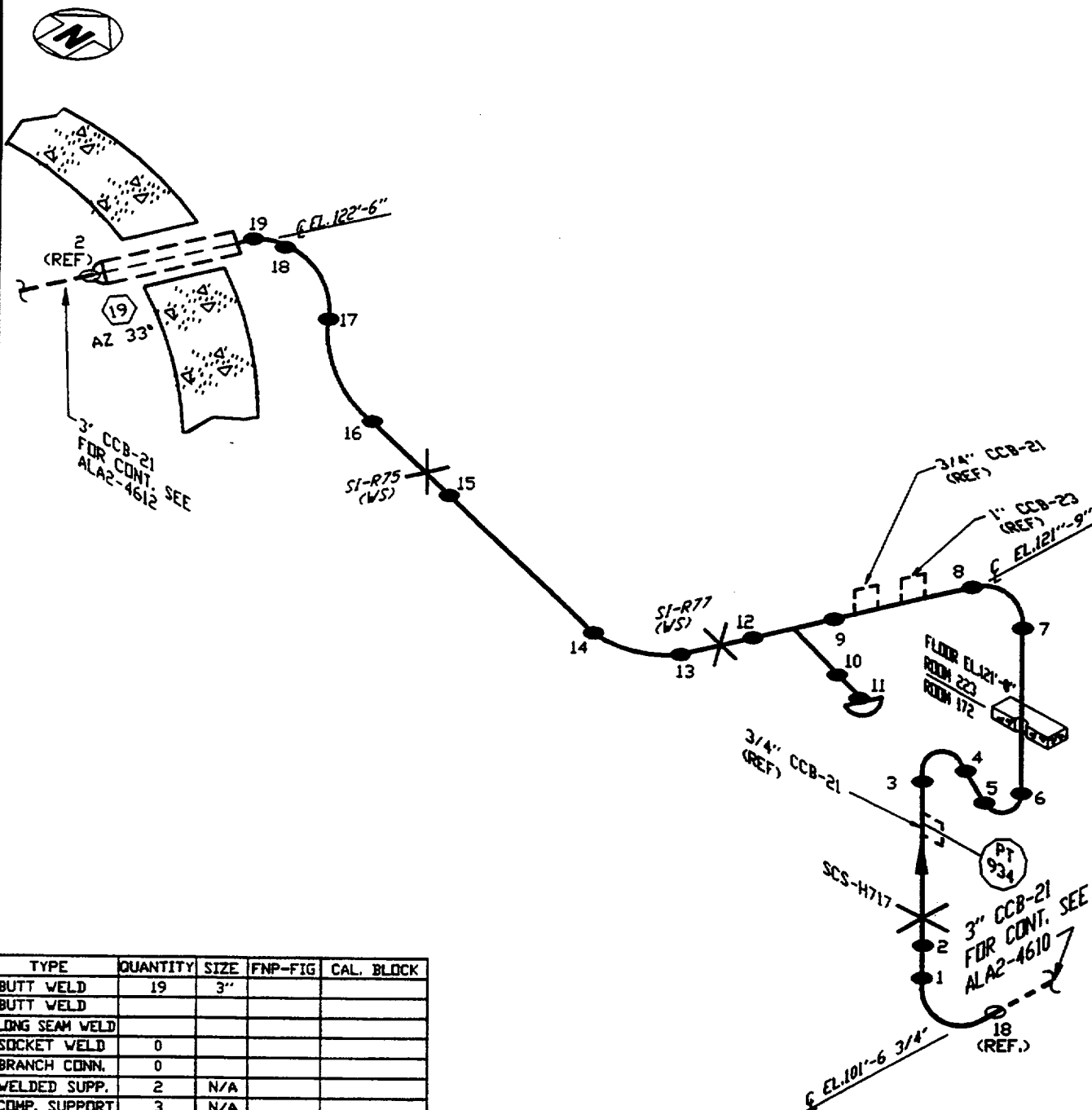
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CAD LA24610
AUTOCAD JLB-02

AUXILIARY
EL. 100'-0"

HIGH HEAD SAFETY INJECTION TO R.C. LOOPS

ALA2-4611



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	19	3"		
BUTT WELD				
LONG SEAM WELD				
SOCKET WELD	0			
BRANCH CONN.	0			
WELDED SUPP.	2	N/A		
COMP. SUPPORT	3	N/A		

LINE NUMBER: Q-1-E21-CCB-21	BOUNDARY DIAGRAM	D-351115 SH. 1
	REFERENCE ISO'S	D-514521 SH. 1
LINE SIZE: 3" CCB-21		

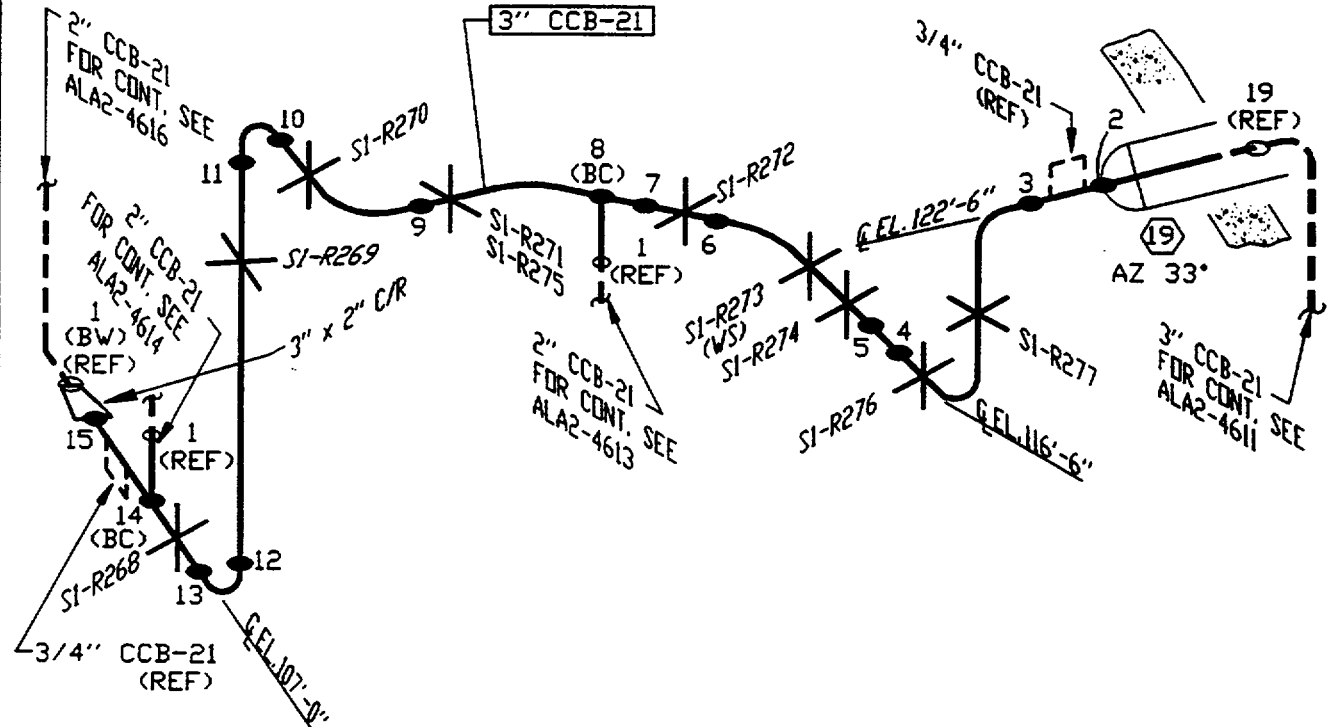
0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0	LDT	DLG DEV	X	X
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4

Southern Company Services, Inc. for		E21-HIGH HEAD SAFETY INJECTION SYS	
ALABAMA POWER COMPANY JOSEPH M. FARLEY NUCLEAR PLANT UNIT 1		SCS DRAWING NUMBER A-351192	SHEET 176 REV. 0

CAD	LA24611
AUTOCAD	JLB-03

CTMT
EL. 105'-6"HIGH HEAD SAFETY INJECTION
TO
R.C. LOOPS

ALA2-4612



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	12	3"		
SOCKET WELD	0			
BRANCH CONN.	2	2"		
WELDED SUPP.	1	N/A		
COMP. SUPPORT	10	N/A		

LINE NUMBER: Q-1-E21-CCB-21

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISO'S D-514717 SH. 1

LINE SIZE: 3" CCB-21

0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0	LDT	BLG	REV		
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for

E21-HIGH HEAD SAFETY INJECTION SYS

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

177

0

CAD LA24612
AUTOCAD J.B.-03

CTMT
EL. 105'-6"

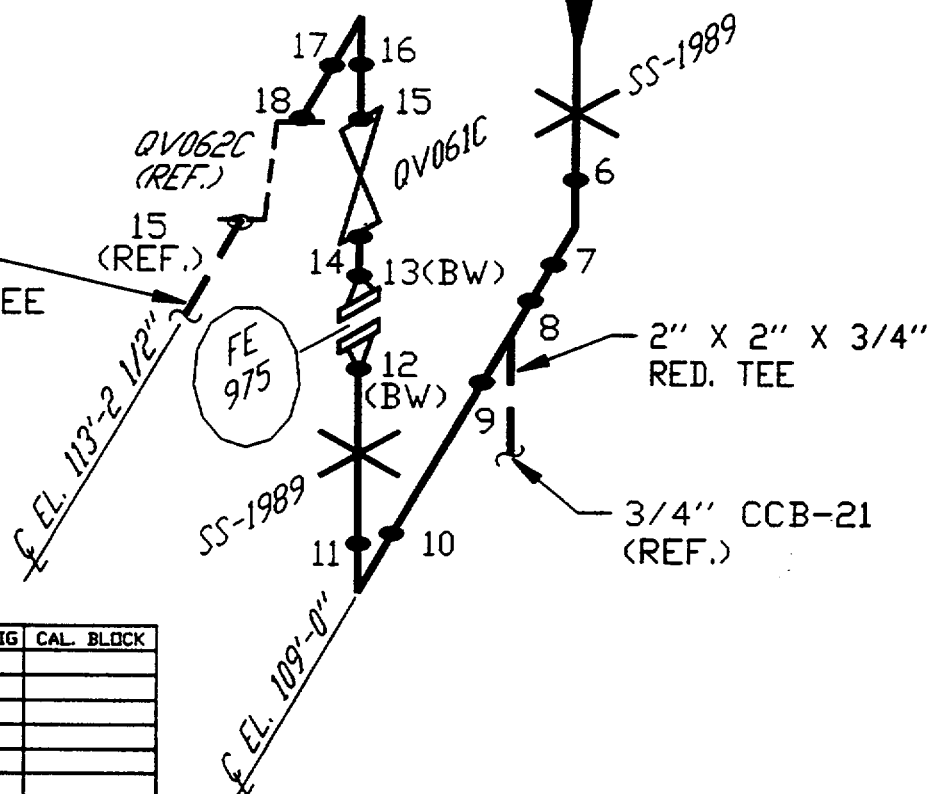
ALA2-4613



2" HIGH HEAD SAFETY INJECTION
TO
COLD LEG
LOOP 1

3" CCB-21
FOR CONT. SEE
ALA2-4612

2" CCA-21
FOR CONT. SEE
ALA1-4112



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	2	2"		
BUTT WELD	0			
LONG SEAM WELD				
SOCKET WELD	16	2"		
BRANCH CONN.	0			
WELDED SUPP.	0			
COMP. SUPPORT	1	N/A		

LINE NUMBER: Q-1-E21-CCB-21

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISO'S D-518096 SH. 2

LINE SIZE: 2" CCB-21

0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0	LDT	DLG	REV		
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for

E21-HIGH HEAD SAFETY INJECTION SYS

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

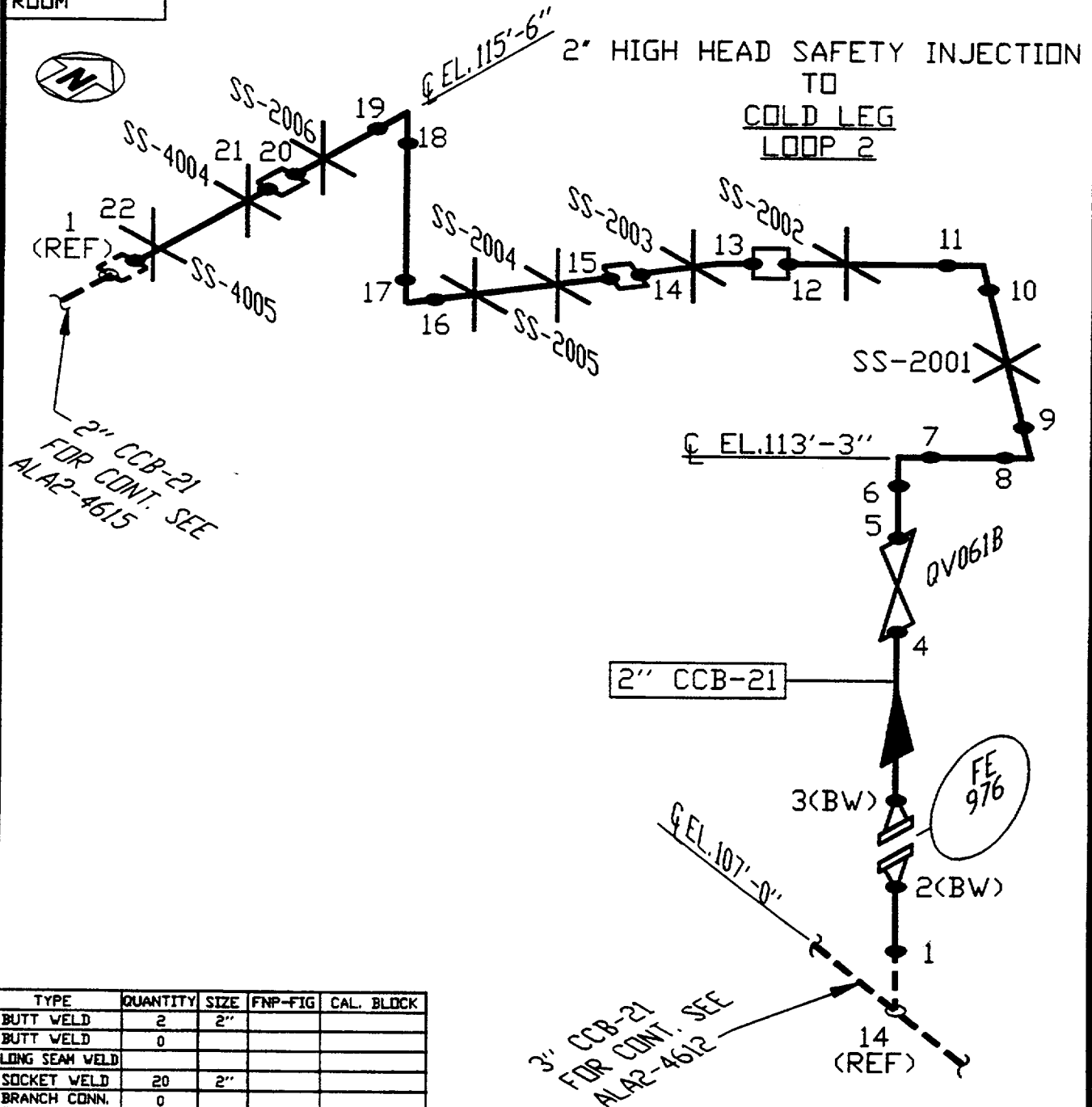
178

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CAD LA24613
JLB-02
AUTOCAD

AUXILIARY
EL.
ROOM

ALA2-4614



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	2	2"		
BUTT WELD	0			
LONG SEAM WELD				
SOCKET WELD	20	2"		
BRANCH CONN.	0			
WELDED SUPP.	0			
COMP. SUPPORT	8	N/A		

LINE NUMBER: Q-1-E21-CCB-21

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISO'S D-518113 SH. 2

LINE SIZE: 2" CCB-21

0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0	LDT	DLG	REV		
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for

E21-HIGH HEAD SAFETY INJECTION SYS

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

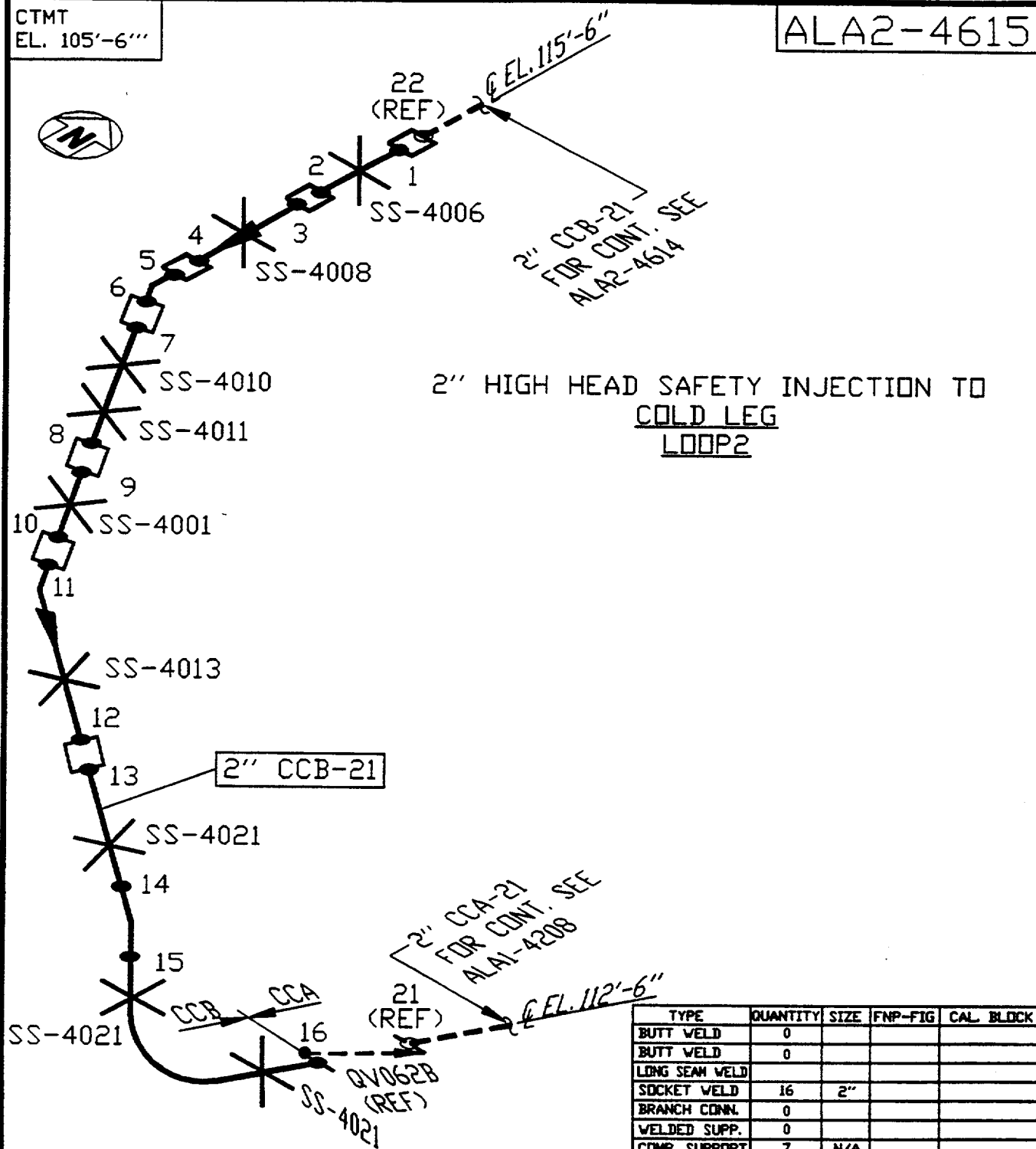
179

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CAD LA24614
AUTOCAD JLB-02

CTMT
EL. 105'-6'''

ALA2-4615



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	0			
BUTT WELD	0			
LONG SEAM WELD				
SOCKET WELD	16	2"		
BRANCH CONNL	0			
WELDED SUPP.	0			
COMP. SUPPORT	7	N/A		

LINE NUMBER: Q-1-E21-CCB-21

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISO'S	D-518115 SH. 2
-----------------	----------------

LINE SIZE: 2" CCB-21

0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0	LDT	DLG	REV		
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for

E21-HIGH HEAD SAFETY INJECTION SYS

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

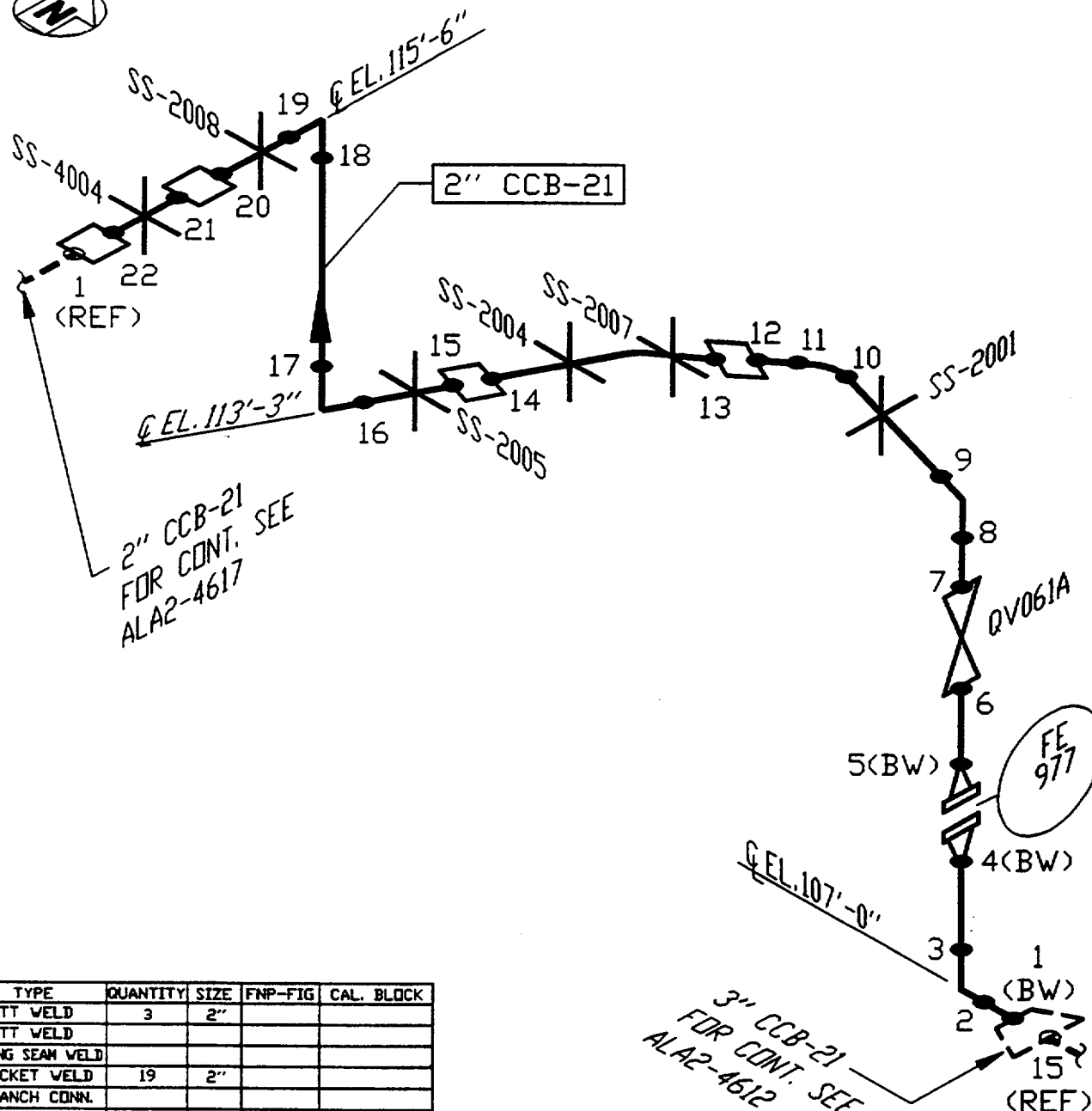
A-351192

180

0

CTMT
EL. 105'-6"2" HIGH HEAD SAFETY INJECTION TO
COLD LEG
LOOP 3

ALA2-4616



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	3	2"		
BUTT WELD				
LONG SEAM WELD				
SOCKET WELD	19	2"		
BRANCH CONN.				
WELDED SUPP.	0			
COMP. SUPPORT	6	N/A		

LINE NUMBER: Q-1-E21-CCB-21

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISD'S D-518099 SH. 2

LINE SIZE: 2" CCB-21

0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0	LDT	DLG	REV		
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for

E21-HIGH HEAD SAFETY INJECTION SYS

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

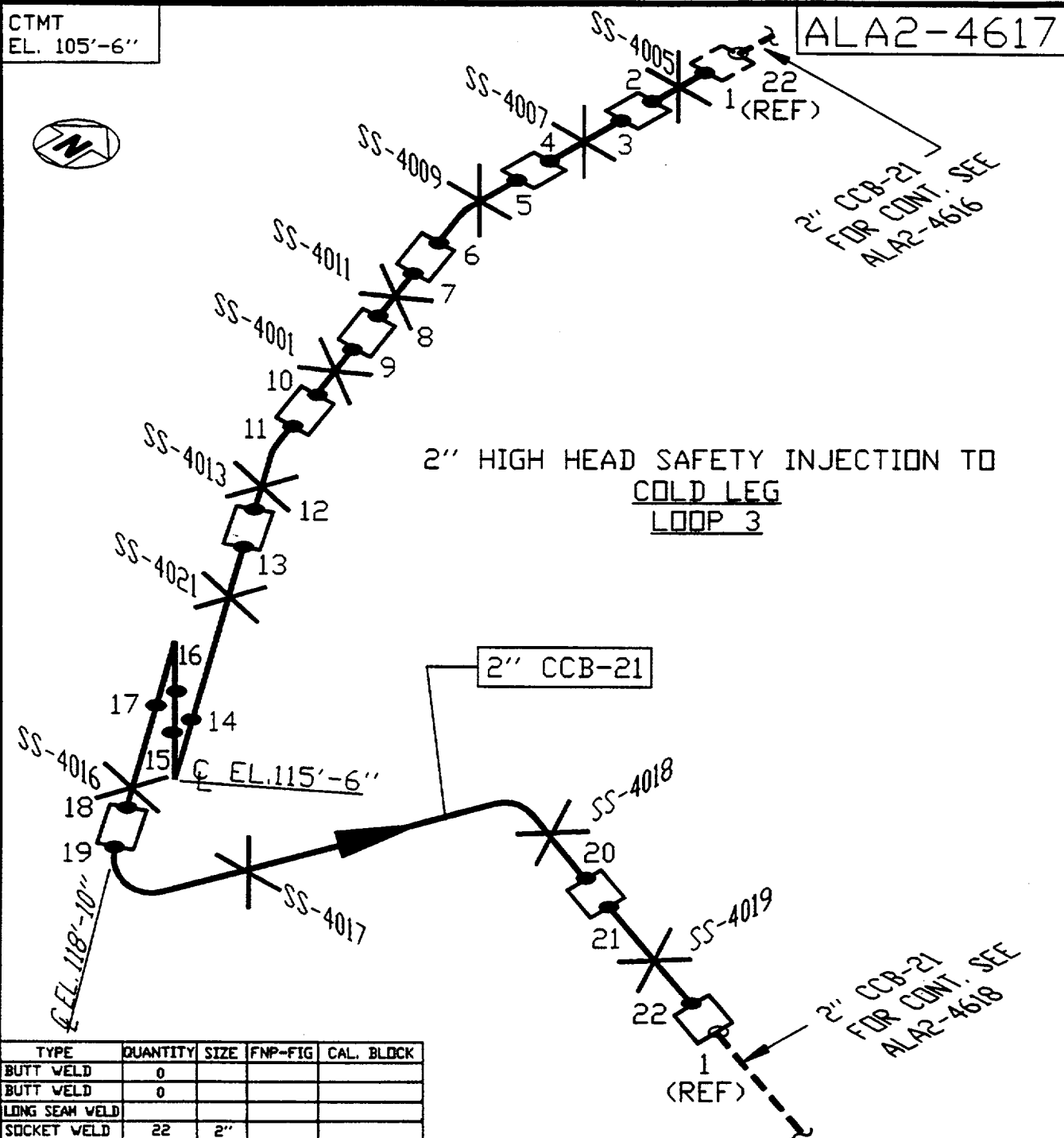
181

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CAD LA24616
AUTOCAD JLB-02

CTMT
EL. 105'-6"

ALA2-4617



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	0			
BUTT WELD	0			
LONG SEAM WELD				
SOCKET WELD	22	2"		
BRANCH CONN.	0			
WELDED SUPP.	0			
COMP. SUPPORT	11	N/A		

LINE NUMBER: Q-1-E21-CCB-21

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISO'S D-518100 SH. 2

LINE SIZE: 2" CCB-21

0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0	LDT	DLG	REV		
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for

E21-HIGH HEAD SAFETY INJECTION SYS

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

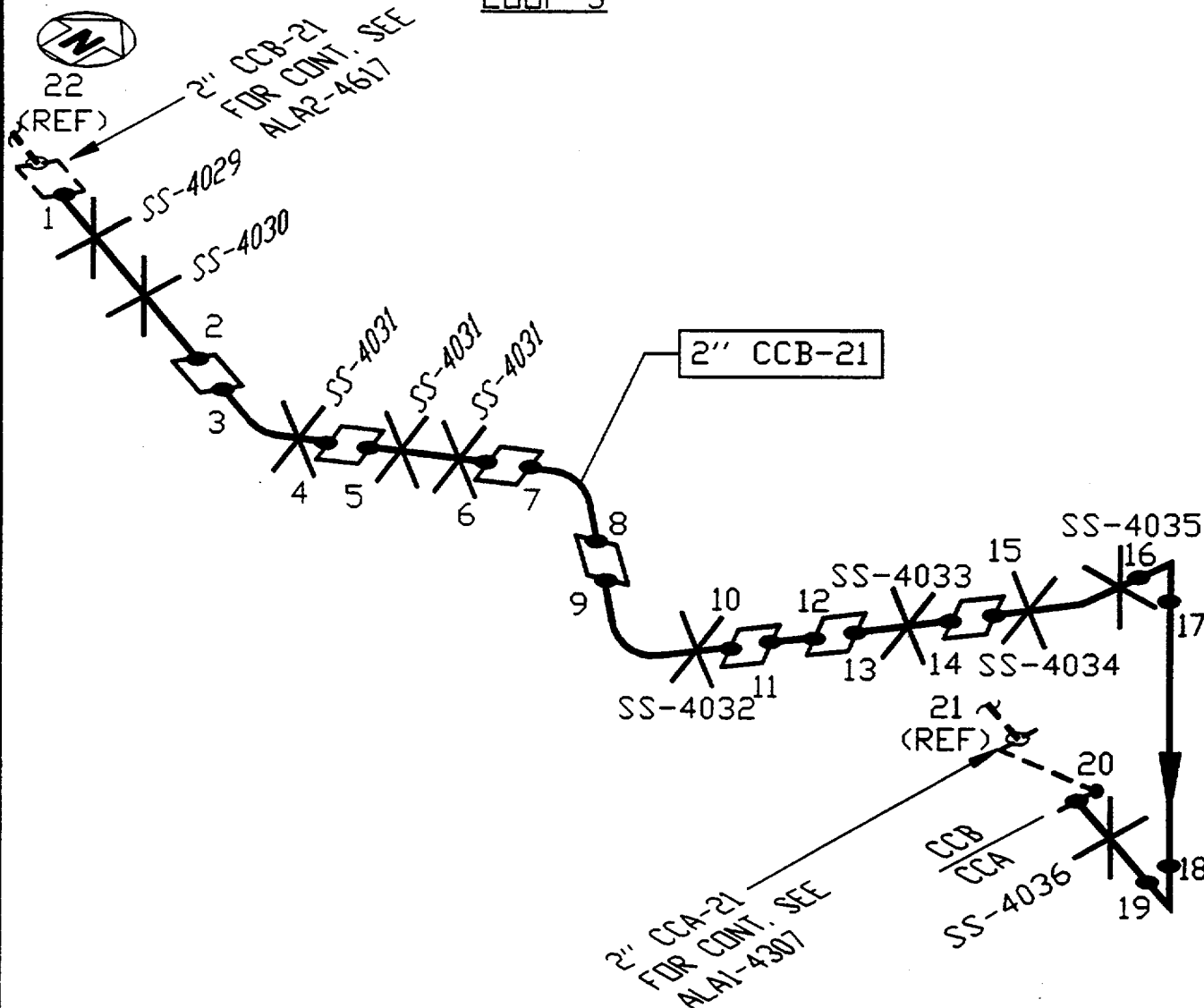
182

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CAD LA24617
AUTOCAD JLB-02

CTMT
EL. 105'-6"2" HIGH HEAD SAFETY INJECTION TO
COLD LEG
LOOP 3

ALA2-4618



TYPE	QUANTITY	SIZE	FNP-FIG	CAL. BLOCK
BUTT WELD	0			
BUTT WELD	0			
LONG SEAM WELD				
SOCKET WELD	20	2"		
BRANCH CONN.	0			
WELDED SUPP.	0			
COMP. SUPPORT	8	N/A		

LINE NUMBER: Q-1-E21-CCB-21

BOUNDARY DIAGRAM D-351115 SH. 1

REFERENCE ISO'S D-518102 SH. 2

LINE SIZE: 2" CCB-21

0	3-26-98	HSK	JAR	ISSUED PER REA 96-1295 REV.0	LDT	DLG	PR DEV		
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for E21-HIGH HEAD SAFETY INJECTION SYSTEM

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

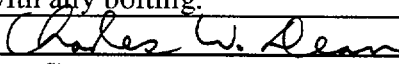
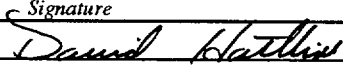
A-351192

183

0

CAD LA24618
AUTOCAD JLB-02

Leakage Bolt Evaluation
per Relief Request RR-23 and Generic Bolting Evaluation

Equipment Number:	Q1E21V016A		
Work Order Number:	NA		
Item Description:	HHSI To RCS CL Iso Valve		
Manufacturer/Model	Velan Gate Valve Model 3-GM78FNW		
Vendor Drawing Number:	U264635		
Bolting/ Nut Material:	ASME SA-453 GR.660/ ASME SA-194 GR.8		
Valve Body Material:	ASME SA-351-CF8		
Valve Repair Procedure Number:			
Thread Sealant Type:	Fel-Pro N-5000		
Description/ Location of Leakage	Light dry boron build-up on valve stem.		
Inspection Procedure/ Frequency:	* VT-2 examination once every 40-month ISI period * General Walkdown for Boron Leakage performed each refueling outage		
Leakage/Repair History of Connection:	* Several packing leaks.		
Service Age of Bolting:	No bolting replacements indicated in FNPIMS.		
Results of Visual Exam:			
Are any bolts corroded by boric acid attack?	The visual examination found the bolts in satisfactory condition with no signs of degradation on any bolts.		
Is the valve/bolt interface corroded by boric acid attack?	The visual examination found the valve in satisfactory condition with no signs of corrosion on the valve/bolt interfaces.		
Bolting Evaluation:	The bolt and valve material are resistant to boric acid attack. A visual examination performed on 05/21/00 found no signs of pitting, corrosion, or erosion on the bolting or valve flange. Based on this evaluation this bolted connection is considered satisfactory for continued service.		
Disposition of Leak:	Acceptable by evaluation. This is a packing leak which is not coming into contact with any bolting.		
Prepared by:	 Signature 5/21/00 Date		
Reviewed/Approved by:	 Signature 5/21/00 Date		

Leakage Bolt Evaluation
per Relief Request RR-23 and Generic Bolting Evaluation

Equipment Number:	Q1E21V016B		
Work Order Number:	NA		
Item Description:	HHSI To RCS CL Iso Valve		
Manufacturer/Model	3" Motor-Operated Velan Gate Valve Model 3-GM78FNW		
Vendor Drawing Number:	U264635		
Bolting/ Nut Material:	ASME SA-453 GR.660/ ASME SA-194 GR.8		
Valve Body Material:	ASME SA-351-CF8		
Valve Repair Procedure Number:			
Thread Sealant Type:	Fel-Pro N-5000		
Description/ Location of Leakage	Moderate dry boron build-up on valve stem.		
Inspection Procedure/ Frequency:	* VT-2 examination once every 40-month ISI period * General Walkdown for Boron Leakage performed each refueling outage		
Leakage/Repair History of Connection:	* Several packing leaks.		
Service Age of Bolting:	No bolting replacements indicated in FNPIMS.		
Results of Visual Exam:			
Are any bolts corroded by boric acid attack?	The visual examination found the bolts in satisfactory condition with no signs of degradation on any bolts.		
Is the valve/bolt interface corroded by boric acid attack?	The visual examination found the valve in satisfactory condition with no signs of corrosion on the valve/bolt interfaces.		
Bolting Evaluation:	The bolt and valve material are resistant to boric acid attack. A visual examination performed on 05/21/00 found no signs of pitting, corrosion, or erosion on the bolting or valve flange. Based on this evaluation this bolted connection is considered satisfactory for continued service.		
Disposition of Leak:	Acceptable by evaluation. This is a packing leak which is not coming into contact with any bolting.		
Prepared by:	<i>Charles W. Dean</i> Signature <i>CWD</i> Date		
Reviewed/Approved by:	<i>Daniel Hatfield</i> Signature <i>5/21/00</i> Date		

02/28/00 07:55:50

SHARED

FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

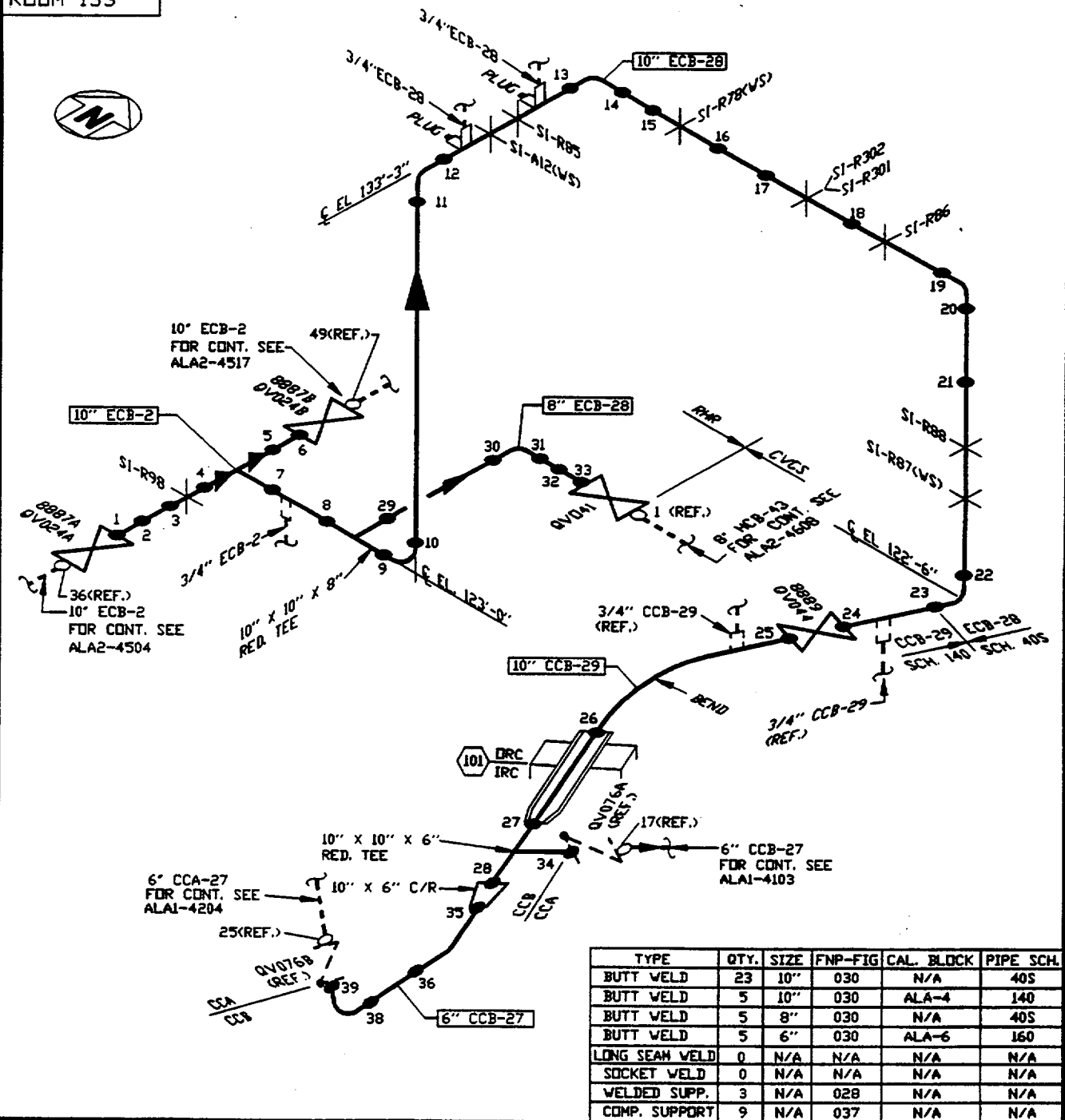
SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package 6"/10" CCB 29	Drawing Number ALAZ-4514
WO/WA No. N/A		System Boundaries examined from valve Q1E11V044 To Valve Q1E11V076B	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner Manfred Hill	Level II		
Examiner Scott R. Erickson	Level II		
Date (Month-Day-Year) 05-21-00			
SKETCH N/A			
		Note: system in operation @ NOP/NOT in excess of 4hrs per control room	
Examination (Per Para. 7.5) _____ Sat ☒ *Unsat ^①			
*Provide details on unsat areas LIGHT DRY BORON BUILD-UP ON GASKET OF QV044 ON ALAZ-4514. NO BUILD-UP NOTED ON BOLTING. ^① Sat per attached engineering evaluation MM 5/21/00			
Comments AVR. BLDG. PORTION OF RR-30 SEGMENT 5 EXAMINED BY SCOTT R. ERICKSON SRE 5-21-00			
Containment portions examined by M. GRELL. No leakage noted @ time of exam MM 5/21/00			

AUXILIARY
EL. 100'-0"
ROOM 133

RHR SINGLE STREAM

ALA2-4514



TYPE	QTY.	SIZE	FNP-FIG	CAL. BLOCK	PIPE SCH.
BUTT WELD	23	10"	030	N/A	40S
BUTT WELD	5	10"	030	ALA-4	140
BUTT WELD	5	8"	030	N/A	40S
BUTT WELD	5	6"	030	ALA-6	160
LONG SEAM WELD	0	N/A	N/A	N/A	N/A
SOCKET WELD	0	N/A	N/A	N/A	N/A
WELDED SUPP.	3	N/A	028	N/A	N/A
COMP. SUPPORT	9	N/A	037	N/A	N/A

LINE NUMBER: Q-1-E11-ECB-2; Q-1-E21-CCB-27
Q-1-E11-ECB-28; Q-1-E11-CCB-29

BOUNDARY DIAGRAM

D-351115 SH. 1 & 2

LINE SIZE: 10" ECB-2; 10" CCB-29
10" ECB-28; 8" ECB-28; 6" CCB-27; 10" CCB-27

REFERENCE ISO'S

D-514517 SH. 1

D-514518 SH. 1

D-514715 SH. 1

2	3-26-98	RAW	JAR	REVISED PER REA 96-1295, REV. 0	LDT	DLG	REV		
0	6-30-92	SDH	JAR	ISSUED PER PCN S-92-1-8162.	CAB	CCM/VRH	AH	DML	
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for

E11-RESIDUAL HEAT REMOVAL

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

112

2

CAD ALA24514
AUTOCAD RAV-03

Leakage Bolt Evaluation
per Relief Request RR-23 and Generic Bolting Evaluation

Equipment Number:	Q1E11V044	
Work Order Number:	NA	
Item Description:	RHR To RCS Hot Legs Isolation Valve	
Manufacturer/Model	Copes-Vulcan Inc./ Gate Valve	
Vendor Drawing Number:	U169410	
Bolting/ Nut Material:	ASME SA-453 GR.660/ ASME SA-193 GR.6	
Valve Body Material:	ASME SA-182 GR. F316	
Valve Repair Procedure Number:		
Thread Sealant Type:	Fel-Pro N-5000	
Description/ Location of Leakage	Light dry intermittent boron build-up on body to bonnet gasket. No bolting affected.	
Inspection Procedure/ Frequency:	* VT-2 examination once every 40-month ISI period * General Walkdown for Boron Leakage performed each refueling outage	
Leakage/Repair History of Connection:	* WO 273833 04/11/94 Valve has bonnet to flange leak. Disassembled, cleaned, installed new gasket, and reassembled. * Valve has had several packing leaks.	
Service Age of Bolting:	No bolting replacements in FNPIMS.	
Results of Visual Exam:		
Are any bolts corroded by boric acid attack?	The visual examination found the bolts in satisfactory condition with no signs of degradation on any bolts.	
Is the valve/bolt interface corroded by boric acid attack?	The visual examination found the valve in satisfactory condition with no signs of corrosion on the valve/bolt interfaces.	
Bolting Evaluation:	The bolt and valve material are resistant to boric acid attack. A visual examination performed on 05/21/00 found no signs of pitting, corrosion, or erosion on the bolting or valve flange. Based on this evaluation this bolted connection is considered satisfactory for continued service.	
Disposition of Leak:	Acceptable per evaluation. Valve has a slight body to bonnet leak which is not coming into contact with any bolting.	
Prepared by:	<i>Charles W. Dean</i> Signature	5/21/00 Date
Reviewed/Approved by:	<i>Daniel Hatfield</i> Signature	5/24/00 Date

CLASS 1 SYSTEM LEAKAGE TEST BOLTING EXAMINATIONS

VALVE TPNS No.	ISI SKETCH No.	APPLICABLE RELIEF REQUEST No.	APPLICABLE IER No.
Q1B13V003	ALA1-4108	RR-27	IER-008
Q1B13V027A	ALA1-4504	RR-27	
Q1B13V027B	ALA1-4504	RR-27	
Q1B13V031A	ALA1-4501	RR-27	
Q1B13V031B	ALA1-4502	RR-27	
Q1B13V031C	ALA1-4503	RR-27	
Q1B13V053	ALA1-4504	RR-27	
Q1B13V056	ALA1-4105	RR-27	
Q1B13V060	ALA1-4205	RR-27	
Q1B13V061	ALA1-4504	RR-27	
Q1B31K001	ALA1-2100A	RR-27	
Q1E11V016A	ALA1-4301	RR-27	
Q1E11V016B	ALA1-4101	RR-27	
Q1E11V044	ALA2-4514	RR-27, RR-30	IER-008
Q1E11V051A	ALA1-4304	RR-27	
Q1E11V051B	ALA1-4202	RR-27	
Q1E11V051C	ALA1-4104	RR-27	IER-008
Q1E21V016A	ALA2-4610	RR-27, RR-30	
Q1E21V016B	ALA2-4610	RR-27, RR-30	
Q1E21V032A	ALA1-4102	RR-27	
Q1E21V032B	ALA1-4201	RR-27	
Q1E21V032C	ALA1-4302	RR-27	
Q1E21V063	ALA2-4621	RR-27, RR-30	
Q1E21V068	ALA2-4633	RR-27, RR-30	
Q1E21V072	ALA2-4625	RR-27, RR-30	
Q1E21V077A	ALA1-4103	RR-27	IER-008
Q1E21V077B	ALA1-4204	RR-27	IER-008
Q1E21V077C	ALA1-4305	RR-27	IER-008
Q1E21V110	ALA1-4207	RR-27	
Q1E21V111	ALA1-4106	RR-27	
Q1E21V112	ALA1-4207	RR-27	
Q1E21V113	ALA1-4106	RR-27	
Q1E21V245	ALA1-4505	RR-27	
Q1E21V246	N/A	RR-27	IER-008
Q1E21V247	N/A	RR-27	
Q1E21V367	ALA1-4108	RR-27	IER-008
Q1E21V368	ALA1-4108	RR-27	

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FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package ^{TPNS} 01B13V003	Drawing Number 0-351114 SHT. 1
WO/WA No. 99008131		System Boundaries CVCS NORMAL LETDOWN VALVE BODY TO BONNET JOINT.	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner Scott R. Erickson	Level II		
Examiner N/A	Level N/A		
Date (Month-Day-Year) 3-7-00			
SKETCH			
Examination (Per Para. 7.5) _____ Sat ☒ *Unsat			
*Provide details on unsat areas SEE FIGURE 2 - PAGE 2 OF 2			
Comments REF. RR-27			

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RTYPE: L1.09

FIGURE 2

VISUAL EXAMINATION SUPPLEMENTAL DATA SHEET

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1	Line Number/Examination Area/Weld No. Q1B13 V003		Drawing Number D-351114 SHT.1		
WO/WA No. 99008131	Date (Month-Day-Year)	Examiner	Level	Location	
Procedure No. FNP-0-NDE-100.22	3-7-00	SLOTT R. ERICHOON	II	CTMT LOOP 1 106'EL.	
Revision No. 2					

Flow →

AREA OF BORON BUILD-UP

Comments: LIGHT DRY BORON BUILD-UP ON GASKET AREA AND BOLTING AND VALVE BODY
Page 2 of 2

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RTYPE: L1.09

FIGURE 1

SUPPORT EXAMINATION RECORD VT-3

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit <i>FARLEY 1</i>	Line Number/Examination Area/Weld No. <i>Q1B13V003</i>			Drawing Number <i>N/A</i>			Sheet No.		
Photos ___ Yes ___ B&W ☒ No ___ Color	Sketch ___ Yes ☒ No	Resolution ☒ 1/32" Division (Scale) ___ 1/32" Line (Gray Card)	Technique ☒ Direct ___ Video ___ Remote			WO/WA <i>20002011</i>			
						Procedure No. <i>FNP-0-NDE-100.23</i>			
						Revision No. <i>3</i>			
						Examiner/Initial Sig. <i>Paul S. Walcott</i>		Level <i>II</i>	
						Examiner/Initial Sig. <i>N/A</i>		Level	
Equipment ☒ Mirror ___ Magnifier ___ CCTV	Lighting ___ Ambient ☒ Flashlight ___ Droplight	Tools ☒ Scale ___ Micrometer ___ Caliper			___ Depth Gauge ___ Comparator ___ Weld Gauge		___ Level		Date (Month-Day-Year) <i>04-20-00</i>
___ SNUBBERS VT-3 SAT UN-SAT N/A Loose Bolt or Pin Connections ___ ___ ___ Shaft Seal ___ ___ ___ Fluid Leakage ___ ___ ___ Fluid Tubing Condition ___ ___ ___ Shaft Cleanliness ___ ___ ___ Spherical Bearings ___ ___ ___ Cotter & Clevis Pins Intact ___ ___ ___ Other** ___ ___ ___			☒ COMP. INTERNALS & MAT'L SURFACE VT-3 SAT UN-SAT N/A Pitting ___ ___ ___ Corrosion ☒ ___ ___ Erosion ☒ ___ ___ Foreign Material ☒ ___ ___ Gouged Parts * ☒ ___ ___ Wear ☒ ___ ___ Evidence of Leakage ___ ___ ☒ Other Cracks** ___ ___ ☒			☒ HANGER & SUPPORTS VT-3 SAT UN-SAT N/A Setting: Hot ___ Cold ___ ___ ___ ___ Misalignment ___ ___ ___ Damaged Members ___ ___ ___ Gouges ___ ___ ___ Arc Strikes ___ ___ ___ Grind Marks ___ ___ ___ Freedom of Movement ___ ___ ___ Other** ___ ___ ___			
* Provide details on unsat areas by use of supplemental data sheet. ** Provide details on other areas examined.									
Comments <i>EXAMINED FLANGE AND GASKET SURFACES * MINOR DENT ON FLANGE 1/16" LONG OUTSIDE OF SEALING SURFACE AREA. DOES NOT AFFECT GASKET AREA. SAT PD 4-20-00</i>									

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FIGURE 1

FNP-0-NDE-100.21
RTYPE: L1.09

VISUAL EXAMINATION RECORDED VT-1

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /	Line Number/Examination Area/Weld No. <i>Q1B13V003</i>			Drawing Number <i>N/A</i>	Sheet No.
Photos ☐ Yes ☐ B&W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☒ 1/32" Division (Scale) ☐ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video	WO/WA <i>20002011</i> Procedure No. FNP-0-NDE-100.21 Revision No. <i>1</i> Examiner/Initial Sig. <i>[Signature]</i> Level <i>II</i> Examiner/Initial Sig. <i>N/A</i> Level Date (Month-Day-Year) <i>04-20-00</i>	
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	Tools ☒ Scale ☐ Micrometer ☐ Caliper ☐ Depth Gauge ☐ Comparator ☐ Weld Gauge ☐ Level			
WELDS & BASE MATERIAL VT-1 Ground Blend Material Undercut Corrosion build-Up Gouges Evidence of Leakage Arc Strikes Cracks Other **			BOLTS, STUDS, AND WASHERS VT-1 Loose Members Cracks Corrosion Gouges Thread Damage Deformation Protective Coating Evidence of Leakage Other**		
SAT UN-SAT N/A _____ _____ _____ _____ _____ _____ _____ _____			SAT UN-SAT N/A _____ _____ _____ _____ _____ _____ _____ _____ _____		
* Provide details on unsat areas by use of supplemental data sheet. ** Provide details on other areas examined					
Comments <i>EXAMINED 5 STUDS REMOVED AND 7 STUDS IN PLACE ALSO 12 NUTS</i> <i>4-20-00</i>					

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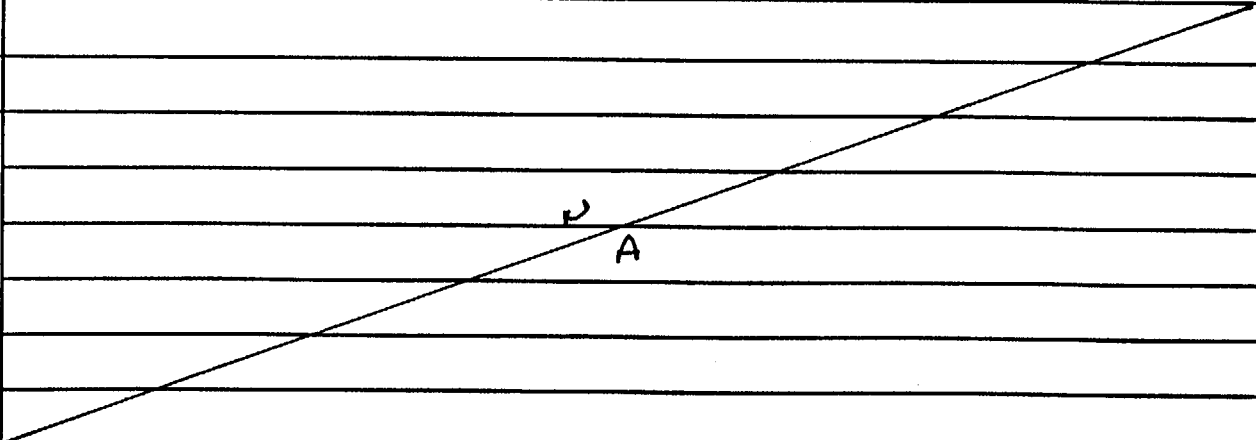
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY 11		Data Package <i>TANS</i> <i>01B13V027A</i>	Drawing Number <i>0-351114 SHT. 2</i>
WO/WA No. <i>99008142</i>		System Boundaries <i>PRESSURIZER RELIEF LINE ISOLATION</i> <i>VALVE BODY TO BONNET JOINT.</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-7-00</i>			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas <i>N/A</i>			
Comments <i>REF. RR-27</i>			

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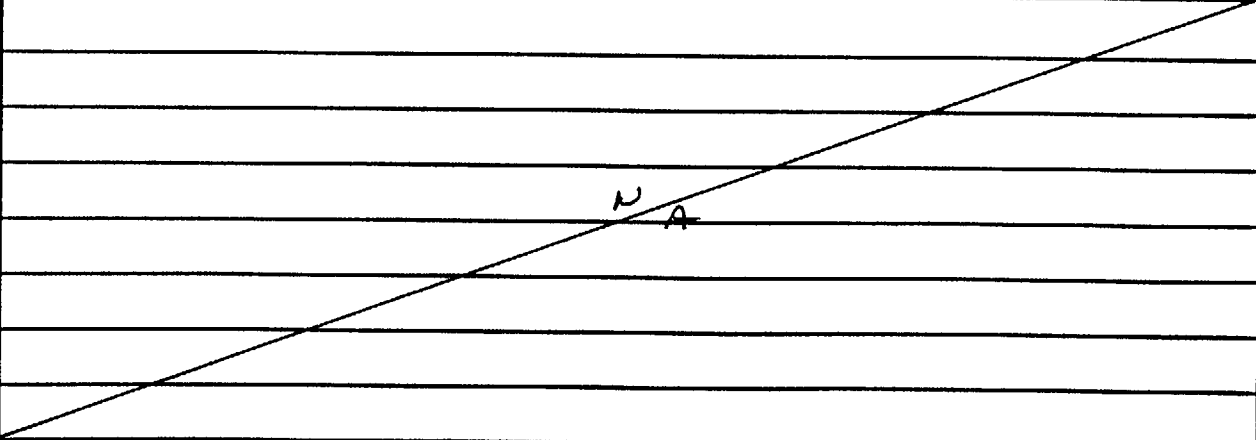
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package <i>TPNS</i> <i>01B13Y027B</i>	Drawing Number <i>D-351114</i> <i>SHT. 2</i>
WO/WA No. <i>99008143</i>		System Boundaries <i>PRESSURIZER RELIEF LINE ISOLATION</i> <i>VALVE BODY TO BONNET JOINT.</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3/13/00</i>			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas <i>N/A</i>			
Comments <i>REF. RR-27</i>			

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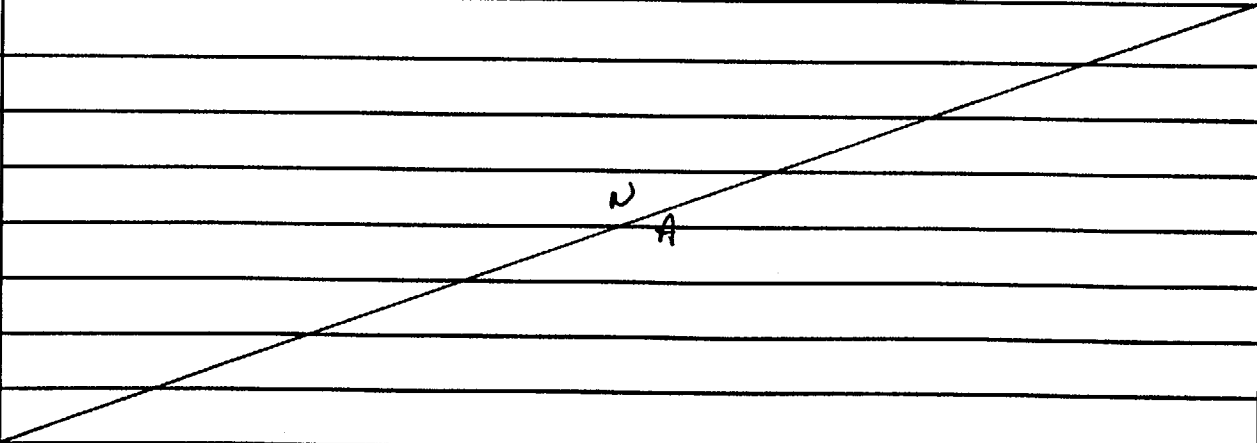
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FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY/1		Data Package <i>TPNS Q1B13V031A</i>	Drawing Number <i>D-351114 SHT. 2</i>
WO(WA)No. <i>W00600211</i>		System Boundaries <i>PRESSURIZER SAFETY RELIEF VALVE AND FLANGE BOLTED CONNECTIONS</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-7-00</i>			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas <i>N/A</i>			
Comments <i>REF. RR-27</i>			

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FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY //		Data Package <i>TPNS</i> <i>Q1B13 V0318</i>	Drawing Number <i>D-351114 SHT.2</i>
WO/WA No. <i>W00600211</i>		System Boundaries <i>PRESSURIZER SAFETY RELIEF VALVE AND FLANGE BOLTED CONNECTIONS.</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-7-00</i>			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas <i>N/A</i>			
Comments <i>REF. RR-27</i>			

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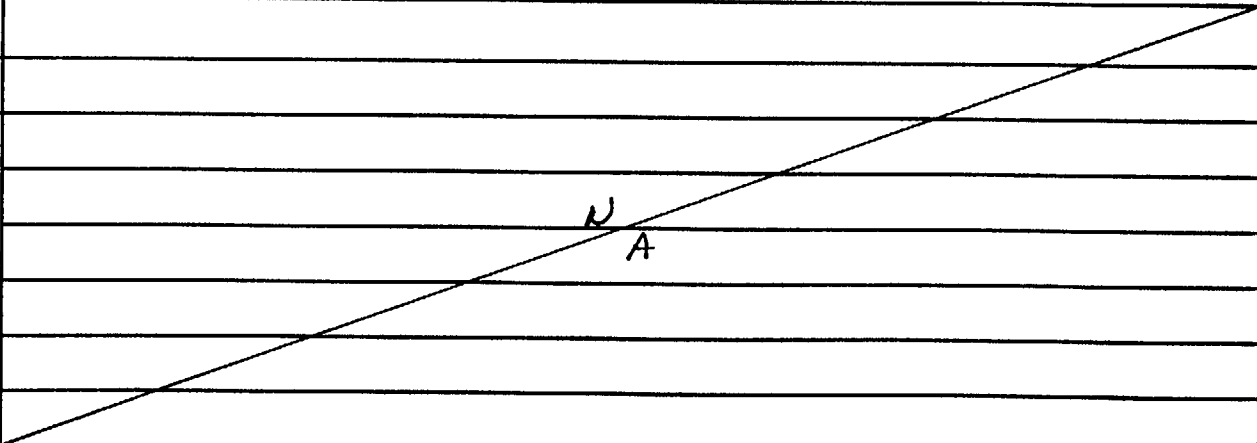
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FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY/1		Data Package <i>TPNS</i> <i>Q1B13V031C</i>	Drawing Number <i>D-351114 SHT. 2</i>
WO/WA No. <i>W00600211</i>		System Boundaries <i>PRESSURIZER SAFETY RELIEF VALVE AND FLANGE BOLTED CONNECTIONS.</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erichom</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-7-00</i>			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
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Comments <i>REF. RR-27</i>			

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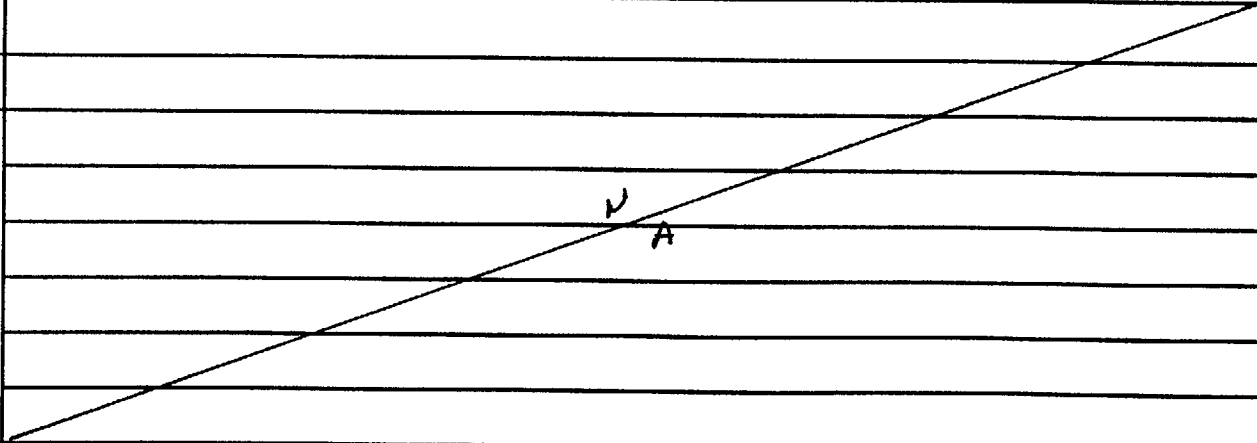
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FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package <i>TPNS</i> <i>Q1B13V053</i>	Drawing Number <i>D-351114 SHT. 2</i>
WO/WA No. <i>W00600211</i>		System Boundaries <i>PRESSURIZER RELIEF LINE ISOLATION</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>	<i>VALVE BODY TO BONNET JOINT.</i>	
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-7-00</i>			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas <i>N/A</i>			
Comments <i>REF. RR-27</i>			

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FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package ^{TPNS} Q1B311056	Drawing Number 0-351114 SHT.2
WOWA No. 99008128		System Boundaries PRESSURIZER SPRAY LINE LOOP 1 COLD LEG ISOLATION VALVE BODY TO BONNET JOINT.	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner Scott R. Erickson	Level II		
Examiner N/A	Level N/A		
Date (Month-Day-Year) 3-7-00			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas N/A			
Comments REF. RR-27			

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FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package ^{TPNS} Q1B31V060	Drawing Number D-351114 SHT. 2
(WO)WA No. 99008136		System Boundaries PRESSURIZER SPRAY LINE LOOP 2 COLD LEG ISOLATION VALVE BODY TO BONNET JOINT.	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner Scott R. Erickson	Level II		
Examiner N/A	Level N/A		
Date (Month-Day-Year) 3-13-00			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas N/A			
Comments REF. RR-27			

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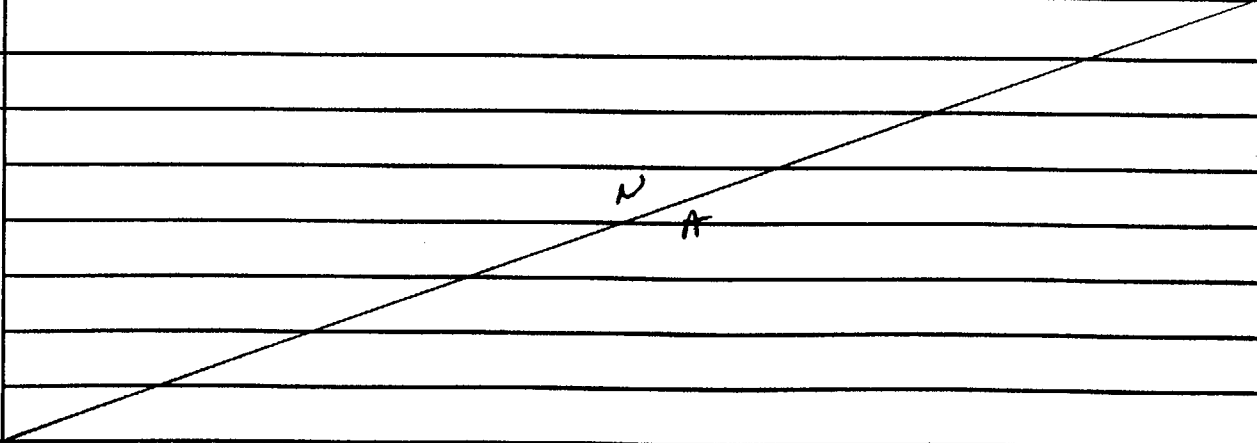
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package <i>TPNS</i> <i>Q1A13V061</i>	Drawing Number <i>D-351114 SHT. 2</i>
WO/WA No. <i>W00600211</i>		System Boundaries <i>PRESSURIZER RELIEF LINE ISOLATION</i> <i>VALVE BODY TO BONNET JOINT.</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-7-00</i>			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
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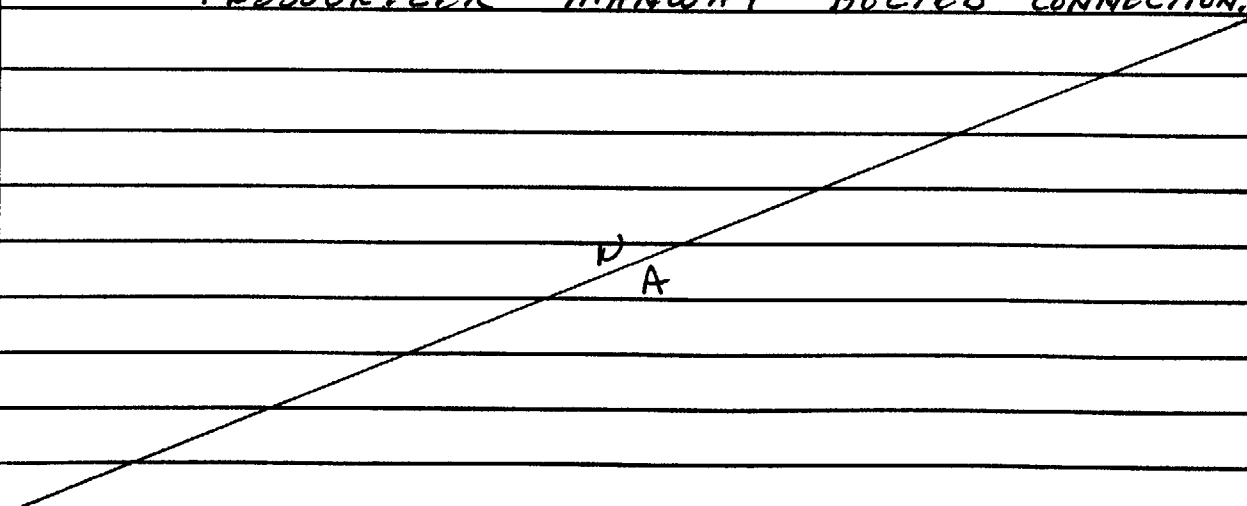
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package <i>TPNS</i> <i>Q1B31/K001</i>	Drawing Number <i>D-351114 SHT-2</i>
WO/WA No. <i>99008117</i>		System Boundaries <i>PRESSURIZER MANWAY BOLTED CONNECTION.</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-7-00</i>			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas <i>N/A</i>			
Comments <i>REF. RA-27</i>			

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FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1		Data Package ^{TPNS} Q1E11V016A	Drawing Number D-351118 SHT. 1
WO/WA No. 99008139		System Boundaries LOOP 3 HOT LEG RHR SUCTION ISOLATION VALVE BODY TO BONNET JOINT.	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner Scott R. Erickson	Level II		
Examiner N/A	Level N/A		
Date (Month-Day-Year) 3-7-00			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas N/A			
Comments REF. RR-27			

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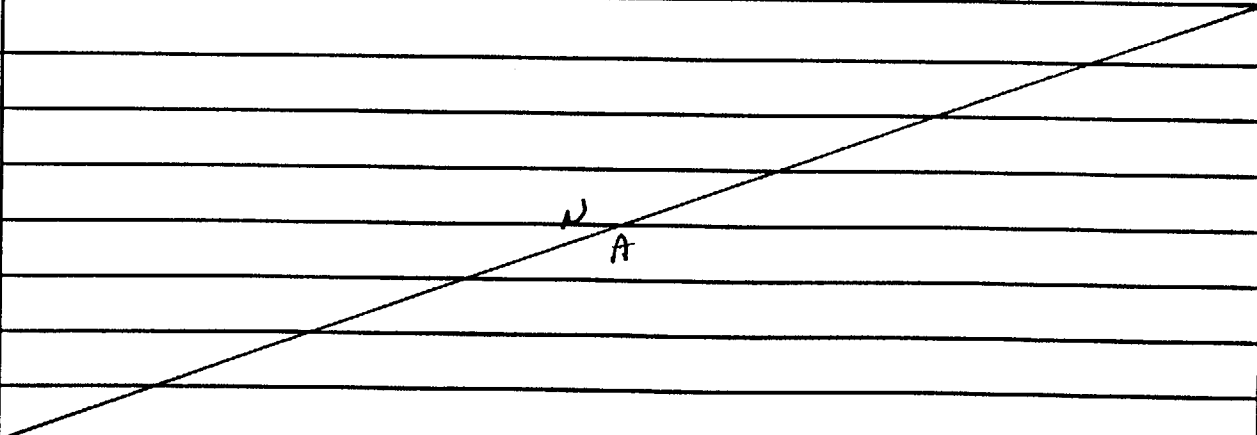
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package <i>TPNS</i> <i>Q1E11V0168</i>	Drawing Number <i>D-351118 SHT.1</i>
WO/WA No. <i>99008124</i>		System Boundaries <i>LOOP 1 HOT LEG RHR SUCTION ISOLATION</i> <i>VALVE BODY TO BONNET JOINT.</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-7-00</i>			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas <i>N/A</i>			
Comments <i>REF. RR-27</i>			

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FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package TPNS 01E11V044	Drawing Number D-351115 SHT.2
WO/WA No. W00600211		System Boundaries SAFETY INJECTION TO RCS HOT LEGS ISOLATION VALVE BODY TO BONNET JOINT.	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner [Signature]	Level II		
Examiner N/A	Level N/A		
Date (Month-Day-Year) 3-9-00			
SKETCH			
Examination (Per Para. 7.5)			
_____ Sat _____ ☒ *Unsat			
*Provide details on unsat areas SEE FIGURE 2 - PAGE 2 OF 2			
Comments REF. RR-27			

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FNP-0-NDE-100.22

RTYPE: L1.09

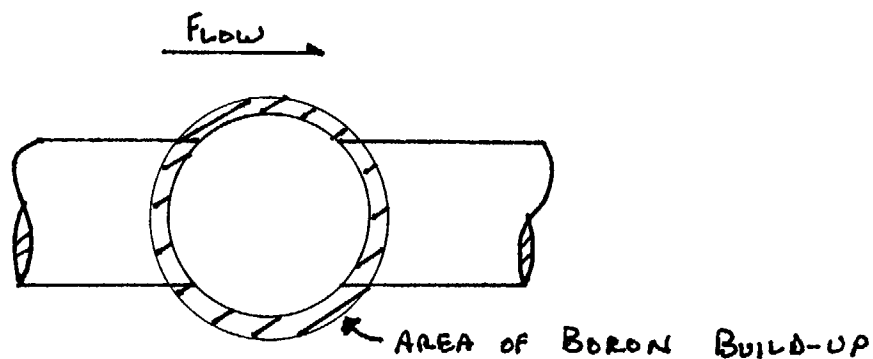
FIGURE 2

VISUAL EXAMINATION SUPPLEMENTAL DATA SHEET

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1	Line Number/Examination Area/Weld No. Q1E11 V044	Drawing Number D-351115 SHRZ		
WO/WA No. W00600211	Date (Month-Day-Year) 3-9-00	Examiner <i>Paul A. Shalens</i>	Level II	Location AB 121'EL. Rm 223
Procedure No. FNP-0-NDE-100.22				
Revision No. 2				



Comments: MODERATE DRY BORON BUILD-UP ON GASKET AREA.

Page 2 of 2

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RTYPE: L1.09

FIGURE 1

SUPPORT EXAMINATION RECORD VT-3

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1	Line Number/Examination Area/Weld No. 01E11V044			Drawing Number N/A			Sheet No.				
Photos ___ Yes ___ B&W ☒ No ___ Color		Sketch ___ Yes ☒ No		Resolution ☒ 1/32" Division (Scale) ___ 1/32" Line (Gray Card)		Technique ☒ Direct ___ Video ___ Remote		WO/WA 20001706 Procedure No. FNP-0-NDE-100.23 Revision No. 3 Examiner/Initial SCOTT R. ERICKSON Level III Sig. SCOTT R. ERICKSON Examiner/Initial N/A Level N/A Date (Month-Day-Year) 3-22-00			
Equipment ☒ Mirror ___ Magnifier ___ CCTV		Lighting ___ Ambient ☒ Flashlight ___ Droplight		Tools ☒ Scale ___ Micrometer ___ Caliper ___ Depth Gauge ___ Comparator ___ Weld Gauge ___ Level							
N/A SNUBBERS VT-3 SAT UN-SAT N/A Loose Bolt or Pin Connections Shaft Seal Fluid Leakage Fluid Tubing Condition Shaft Cleanliness Spherical Bearings Cotter & Clevis Pins Intact Other** * Provide details on unsat areas by use of supplemental data sheet. ** Provide details on other areas examined.				☒ COMP. INTERNALS & MAT'L SURFACE VT-3 SAT UN-SAT N/A Pitting Corrosion Erosion Foreign Material Gouged Parts Wear Evidence of Leakage Other Cracks**				N/A HANGER & SUPPORTS VT-3 SAT UN-SAT N/A Setting: Hot ___ Cold ___ Misalignment Damaged Members Gouges Arc Strikes Grind Marks Freedom of Movement Other**			

Comments **EXAMINED FLANGE, GASKET SEATING SURFACE AND (15) STUDS IN PLACE - SAT. EXAMINED (1) STUD AFTER REMOVAL FROM VALVE BODY - NO VISIBLE WASTAGE OF CROSS SECTIONAL AREA OR THREADED SURFACES NOTED. SRE 3-22-00**

03/18/00 13:55:19

SHARED
FIGURE 1

FNP-0-NDE-100.21
RTYPE: L1.09

VISUAL EXAMINATION RECORDED VT-1

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1	Line Number/Examination Area/Weld No. Q1E11V044			Drawing Number N/A	Sheet No.	
Photos ___ Yes ___ B&W ☒ No ___ Color	Sketch ___ Yes ☒ No	Resolution ☒ 1/32" Division (Scale) ___ 1/32" Line (Gray Card)		Technique ☒ Direct ___ Video ___ Remote		☒ WO/WA 20001706
						Procedure No. FNP-0-NDE-100.21
						Revision No. 1
						Examiner/Initial SCOTT R. ERICKSON Level II Sig. SCOTT R. ERICKSON
Equipment ☒ Mirror ___ Magnifier ___ CCTV	Lighting ___ Ambient ☒ Flashlight ___ Droplight	Tools ☒ Scale ___ Depth Gauge ___ Level ___ Micrometer ___ Comparator ___ Caliper ___ Weld Gauge		Examiner/Initial Sig. N/A Level N/A		
				Date (Month-Day-Year)		
				3-22-00		
N/A WELDS & BASE MATERIAL VT-1			SAT	UN-SAT	N/A	
Ground Blend Material			___	___	___	
Undercut			___	___	___	
Corrosion build-Up			___	___	___	
Gouges			___	___	___	
Evidence of Leakage			___	___	___	
Arc Strikes			___	___	___	
Cracks			___	___	___	
Other **			___	___	___	
* Provide details on unsat areas by use of supplemental data sheet. ** Provide details on other areas examined						
N/A BOLTS, STUDS, AND WASHERS VT-1			SAT	UN-SAT	N/A	
Loose Members			___	___	___	☒
Cracks			___	___	___	___
Corrosion			___	___	___	___
Gouges			___	___	___	___
Thread Damage			___	___	___	___
Deformation			___	___	___	___
Protective Coating			___	___	___	___
Evidence of Leakage			___	___	___	___
Other**			___	___	___	☒

Comments **EXAMINED (1) STUD AFTER REMOVAL FROM VALVE BODY. EXAMINED (15) STUDS IN PLACE.**

NO VISIBLE WASTAGE OF CROSS SECTIONAL AREA OR THREADED SURFACES NOTED. SEE 3-22-00

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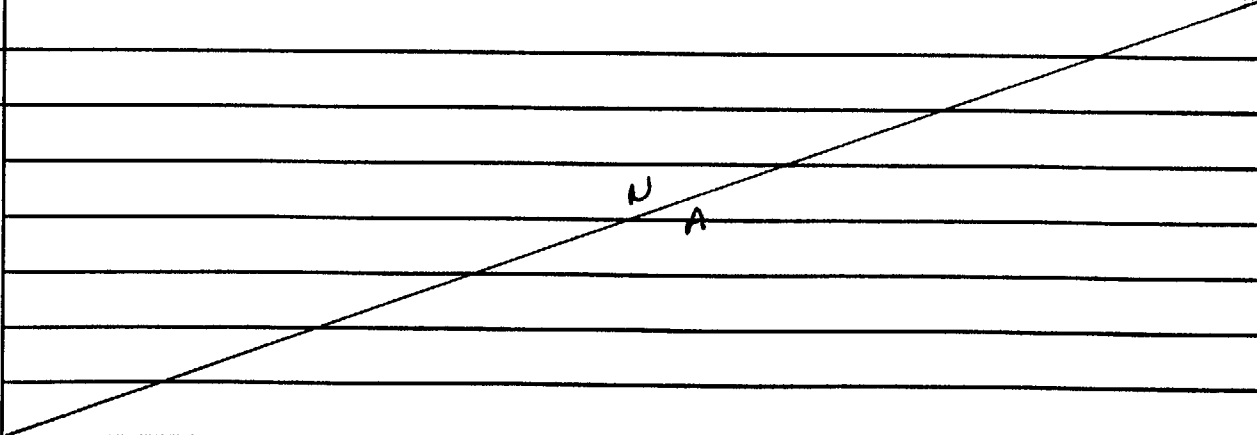
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package <i>TPNS</i> <i>01E21V051A</i>	Drawing Number <i>D-351115 SHT. 1</i>
WO/WA No. <i>99008140</i>		System Boundaries <i>LOOP 3. COLD LEG SAFETY INJECTION</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>	<i>CHECK VALVE BODY TO BONNET JOINT.</i>	
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-7-00</i>			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas <i>N/A</i>			
Comments <i>REF. RR-27</i>			

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SHARED

FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package ^{TPNS} QIEZ1V051B	Drawing Number D-351115 SHT.1
WO/WA No. 99008134		System Boundaries LOOP 2 COLD LEG SAFETY INJECTION CHECK VALVE BODY TO BONNET JOINT.	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner Scott R. Erickson	Level II		
Examiner N/A	Level N/A		
Date (Month-Day-Year) 3-7-00			
SKETCH			
Examination (Per Para. 7.5)			
☒ Sat ☐ *Unsat			
*Provide details on unsat areas N/A			
Comments REF. RR-27			

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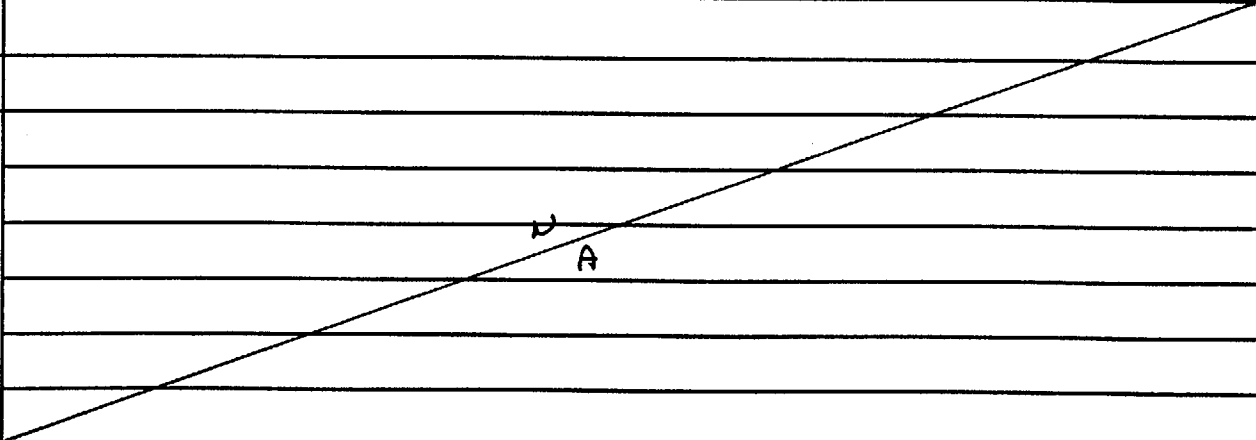
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY //		Data Package <i>TPNS QIEZIV051C</i>	Drawing Number <i>D-351115 SHT 1</i>
WO/WA No. <i>99008125</i>		System Boundaries <i>RCS COLD LEG LOOP 1 SAFETY INJECTION</i> <i>CHECK VALVE BODY TO BONNET JOINT.</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-8-00</i>			
SKETCH			
Examination (Per Para. 7.5)			
☐ Sat ☒ *Unsat			
*Provide details on unsat areas <i>SEE FIGURE 2 - PAGE 2 OF 2</i>			
Comments <i>REF. RR-27</i>			

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FNP-0-NDE-100.22

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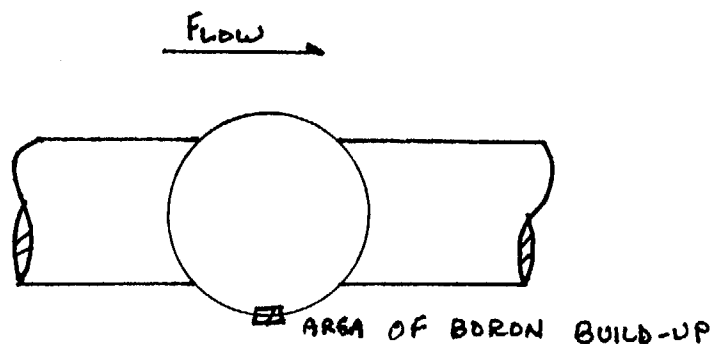
FIGURE 2

VISUAL EXAMINATION SUPPLEMENTAL DATA SHEET

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1	Line Number/Examination Area/Weld No. Q1E21V051C	Drawing Number D-351115 SHT 1		
WO/WA No. 99008125	Date (Month-Day-Year) 3-8-00	Examiner Scott R. Erickson	Level II	Location CTMT LOOP1 126' EL.
Procedure No. FNP-0-NDE-100.22				
Revision No. 2				



Comments: LIGHT DRY BORON BUILD-UP ON GASKET AREA.

Page 2 of 2

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FIGURE 1

FNP-0-NDE-100.21
RTYPE: L1.09

VISUAL EXAMINATION RECORDED VT-1

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /	Line Number/Examination Area/Weld No. <i>Q1E11V051C</i>			Drawing Number <i>N/A</i>	Sheet No.		
Photos ___ Yes ___ B&W ☒ No ___ Color	Sketch ___ Yes ☒ No	Resolution ☒ 1/32" Division (Scale) ___ 1/32" Line (Gray Card)	Technique ☒ Direct ___ Video ___ Remote	WO/WA <i>20001774</i>			
				Procedure No. FNP-0-NDE-100.21			
				Revision No. <i>1</i>			
				Examiner/Initial <i>Scott R. Erickson</i>	Level <i>II</i>		
Equipment ☒ Mirror ___ Magnifier ___ CCTV	Lighting ___ Ambient ☒ Flashlight ___ Droplight	Tools ☒ Scale ___ Micrometer ___ Caliper	___ Depth Gauge ___ Comparator ___ Weld Gauge ___ Level	Examiner/Initial Sig. <i>N/A</i>	Level		
				Date (Month-Day-Year) <i>03-21-00</i>			
<i>N/A</i> WELDS & BASE MATERIAL VT-1			☒ BOLTS, STUDS, AND WASHERS VT-1				
	SAT	UN-SAT	N/A		SAT	UN-SAT	N/A
Ground Blend Material	___	___	___	Loose Members	___	___	☒
Undercut	___	___	___	Cracks	☒	___	___
Corrosion build-Up	___	___	___	Corrosion	☒	___	___
Gouges	___	___	___	Gouges	☒	___	___
Evidence of Leakage	___	___	___	Thread Damage	☒	___	___
Arc Strikes	___	___	___	Deformation	☒	___	___
Cracks	___	___	___	Protective Coating	☒	___	___
Other **	___	___	___	Evidence of Leakage	___	___	☒
				Other**	___	___	☒
* Provide details on unsat areas by use of supplemental data sheet. ** Provide details on other areas examined				* MINOR TOOL MARKS ON NUT SEE 3-21-00			
Comments <i>EXAMINED (1) STUD AFTER REMOVAL FOR INSPECTION. NO VISIBLE WASTAGE OF CROSS SECTIONAL AREA OR THREAD SURFACES NOTED AT THE TIME OF EXAM.</i>							

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FNP-0-NDE-100.23
RTYPE: L1.09

FIGURE 1

SUPPORT EXAMINATION RECORD VT-3

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /	Line Number/Examination Area/Weld No. Q1E11 V051C			Drawing Number N/A			Sheet No.				
Photos ___ Yes ___ B&W <u>✓</u> No ___ Color	Sketch ___ Yes <u>✓</u> No	Resolution <u>✓</u> 1/32" Division (Scale) ___ 1/32" Line (Gray Card)	Technique <u>✓</u> Direct ___ Video ___ Remote			WO/WA 20001774					
						Procedure No. FNP-0-NDE-100.23					
						Revision No. 3					
						Examiner/Initial SCOTT R. ERICKSON			Level II		
						Sig. Scott R. Erickson					
						Examiner/Initial N/A			Level		
						Sig.					
						Date (Month-Day-Year) 03-21-00					
Equipment <u>✓</u> Mirror ___ Magnifier ___ CCTV	Lighting ___ Ambient <u>✓</u> Flashlight ___ Droplight	Tools <u>✓</u> Scale ___ Micrometer ___ Caliper			___ Depth Gauge ___ Comparator ___ Weld Gauge			Level			
N/A SNUBBERS VT-3	SAT	UN-SAT	N/A	<u>✓</u> COMP. INTERNALS & MAT'L SURFACE VT-3	SAT	UN-SAT	N/A	N/A HANGER & SUPPORTS VT-3	SAT	UN-SAT	N/A
Loose Bolt or Pin Connections	___	___	___	Pitting	<u>✓</u>	___	___	Setting:	___	___	___
Shaft Seal	___	___	___	Corrosion	<u>✓</u>	___	___	Hot ___ Cold ___	___	___	___
Fluid Leakage	___	___	___	Erosion	<u>✓</u>	___	___	Misalignment	___	___	___
Fluid Tubing Condition	___	___	___	Foreign Material	<u>✓</u>	___	___	Damaged Members	___	___	___
Shaft Cleanliness	___	___	___	Gouged Parts	<u>✓</u> *	___	___	Gouges	___	___	___
Spherical Bearings	___	___	___	Wear	<u>✓</u>	___	___	Arc Strikes	___	___	___
Cotter & Clevis Pins Intact	___	___	___	Evidence of Leakage	___	___	<u>✓</u>	Grind Marks	___	___	___
Other**	___	___	___	Other Cracks**	___	___	<u>✓</u>	Freedom of Movement	___	___	___
* Provide details on unsat areas by use of supplemental data sheet.								Other**			
** Provide details on other areas examined.				* MINOR TOOL MARKS ON NUT SEE 3-21-00							
Comments EXAMINED (1) STUD AFTER REMOVAL FOR INSPECTION. NO VISIBLE WASTAGE OF CROSS SECTIONAL AREA OR THREAD SURFACES AT THE TIME OF THE EXAM.											

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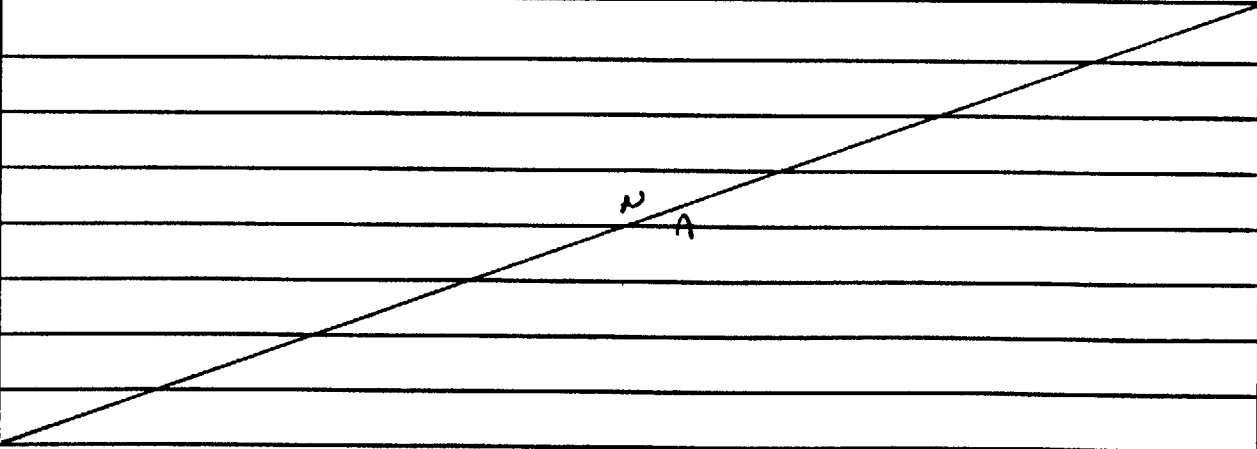
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package <i>TPNS</i> <i>QIEZ1V016A</i>	Drawing Number <i>D-351115 SHT. 1</i>
WO(NA) No. <i>W00600211</i>		System Boundaries <i>SAFETY INJECTION BIT BYPASS ISOLATION</i> <i>VALVE BODY TO BONNET JOINT.</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Paul Suberio</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>2-28-00</i>			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas <i>N/A</i>			
Comments <i>REF. RR-27</i>			

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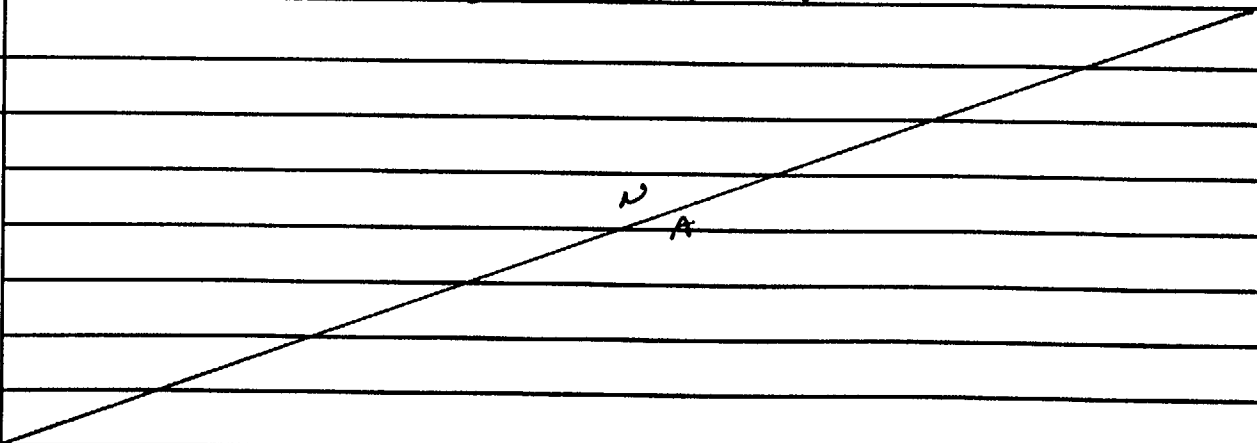
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY/1		Data Package <i>TPNS</i> <i>QIEZIV0168</i>	Drawing Number <i>D-351115 SHT.1</i>
WO(NA) No. <i>W00600211</i>		System Boundaries <i>SAFETY INJECTION BIT BYPASS ISOLATION</i> <i>VALVE BODY TO BONNET JOINT.</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>2-29-00</i>			
SKETCH			
Examination (Per Para. 7.5) _____ Sat ☒ *Unsat			
*Provide details on unsat areas <i>SEE FIGURE 2 - PAGE 2 OF 2</i>			
Comments <i>REF. RR-27 MWG 20001434 written to clean valve stem and check packing.</i> <i>Not a Code item, Reinspection not required. Charles W Dean 5/15/00</i>			

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RTYPE: L1.09

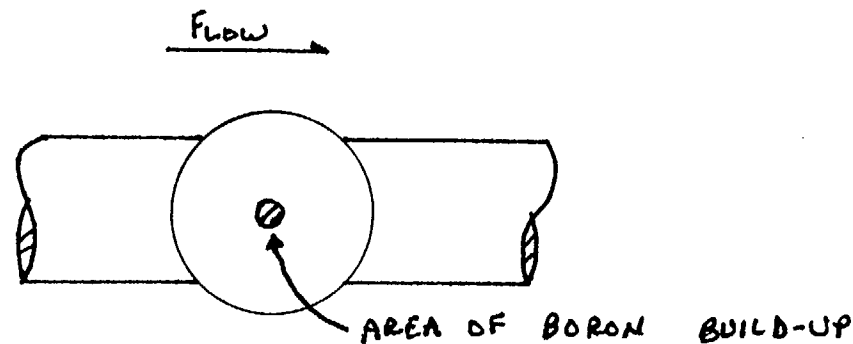
FIGURE 2

VISUAL EXAMINATION SUPPLEMENTAL DATA SHEET

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1	Line Number/Examination Area/Weld No. Q1E21 V016B	Drawing Number D-351115 SHT-1		
WO/WA No. W00600211	Date (Month-Day-Year) 2-29-00	Examiner Scott R. Erickson	Level II	Location A/B 100' EL. Rm 172
Procedure No. FNP-0-NDE-100.22				
Revision No. 2				



Comments: MODERATE DRY BORON BUILD-UP ON VALVE STEM

Page 2 of 2

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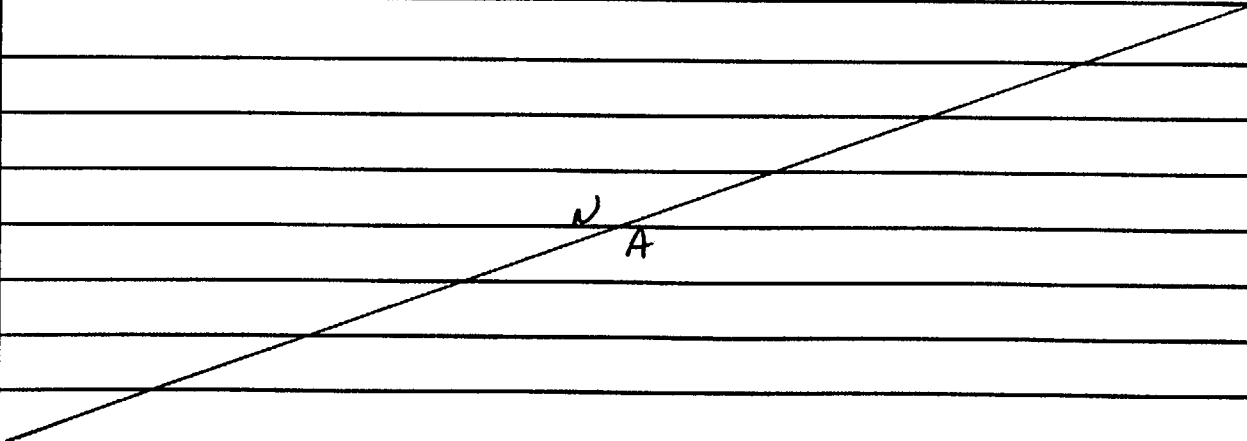
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package ^{TPNS} Q1E21V032A	Drawing Number D-351115 SHT. 2
WOJWA No. 99008147		System Boundaries LOOP 1 ACCUMULATOR SAFETY INJECTION CHECK VALVE BODY TO BONNET JOINT.	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner Scott R. Erickson	Level II		
Examiner N/A	Level N/A		
Date (Month-Day-Year) 3-7-00			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas N/A			
Comments REF. RR-27			

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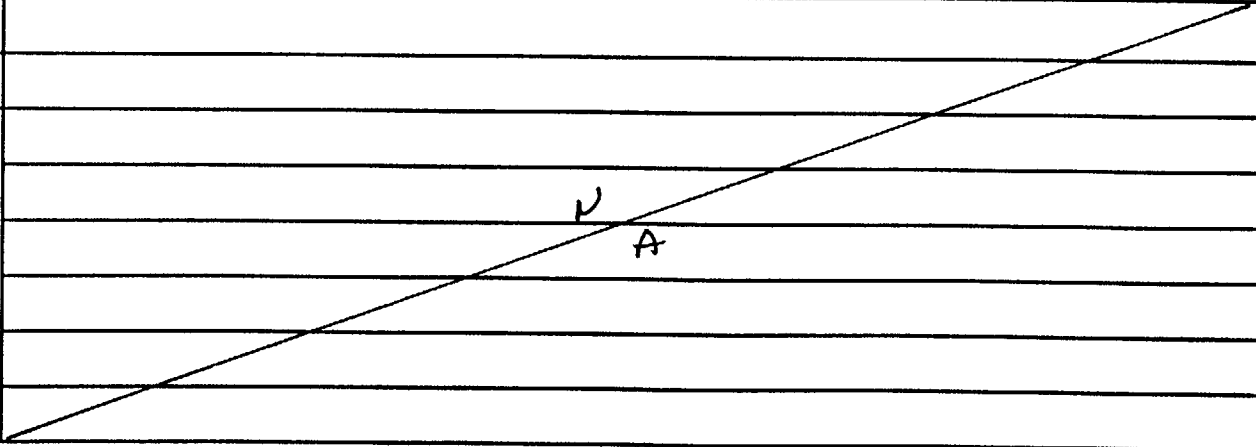
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package <i>TPNS</i> <i>QIEZ1V032B</i>	Drawing Number <i>D-351115 SHT. 2</i>
WO/WA No. <i>99008148</i>		System Boundaries <i>LOOP 2 ACCUMULATOR SAFETY INJECTION</i> <i>CHECK VALVE BODY TO BONNET JOINT.</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Epichoon</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-7-00</i>			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas <i>N/A</i>			
Comments <i>REF. RR-27</i>			

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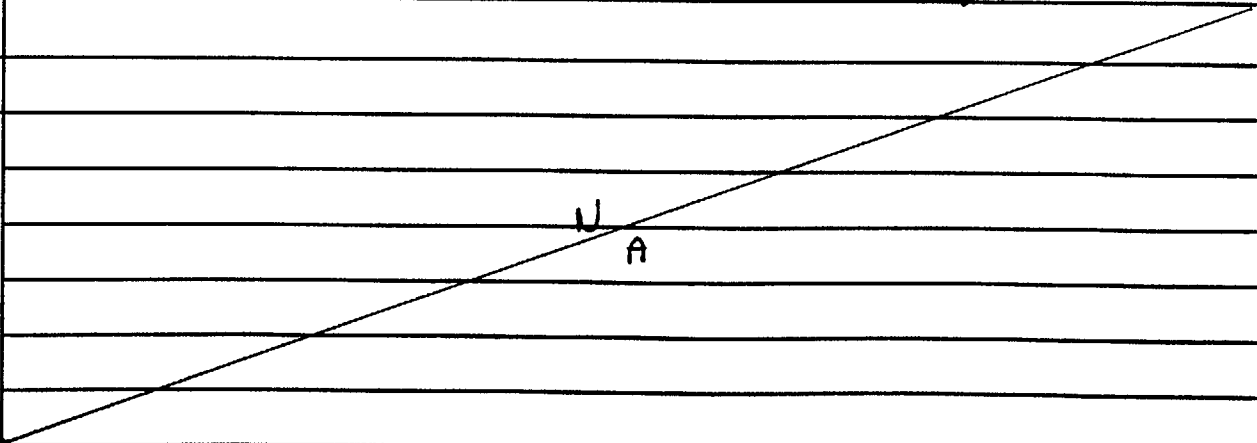
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package <i>TPNS QIEZIV032C</i>	Drawing Number <i>D-351115 SH7.2</i>
WO/WA No. <i>99008149</i>		System Boundaries <i>LOOP 3 ACCUMULATOR SAFETY INJECTION</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>	<i>CHECK VALVE BODY TO BONNET JOINT.</i>	
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-7-00</i>			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas <i>N/A</i>			
Comments <i>REF. RR-27</i>			

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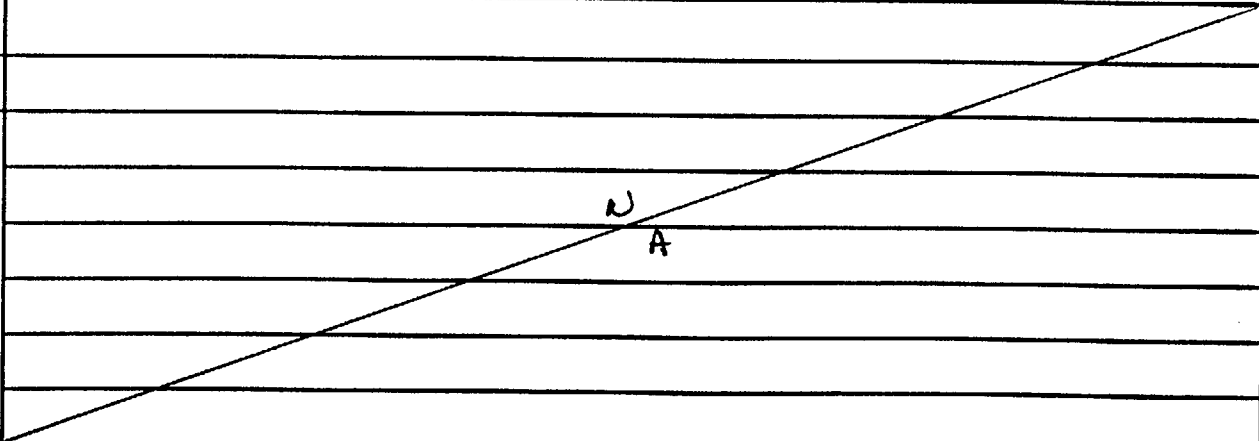
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY/1		Data Package <i>TPNS</i> <i>QIEZ1V063</i>	Drawing Number <i>D-351115 SHT. 1</i>
WO/WA No. <i>W00600211</i>		System Boundaries <i>SAFETY INJECTION TO RCS COLD LEGS</i> <i>ISOLATION VALVE BODY TO BONNET JOINT.</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-13-00</i>			
SKETCH			
Examination (Per Para. 7.5)		☒ Sat ☐ *Unsat	
*Provide details on unsat areas <i>N/A</i>			
Comments <i>REF. RE-27</i>			

02/28/00 07:55:50

SHARED

FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package <i>TPNS</i> <i>QIEZ1V068</i>	Drawing Number <i>0-351115</i> <i>JHT.1</i>
WO/WA No. <i>W006002.1</i>		System Boundaries <i>SAFETY INJECTION TO RCS HOT LEGS ISOLATION</i> <i>VALVE BODY TO BONNET JOINT.</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-13-00</i>			
SKETCH			
Examination (Per Para. 7.5) _____ Sat ☒ *Unsat			
*Provide details on unsat areas <i>SEE FIGURE 2 - PAGE 2 OF 2</i>			
Comments <i>REF. RR-27 MWO 20001892 WRITTEN TO CLEAN VALVE STEM AND CHECK PACKING.</i> <i>Not a Safe item, Reinspection Not Required. Charles W Dean 5/15/00</i>			

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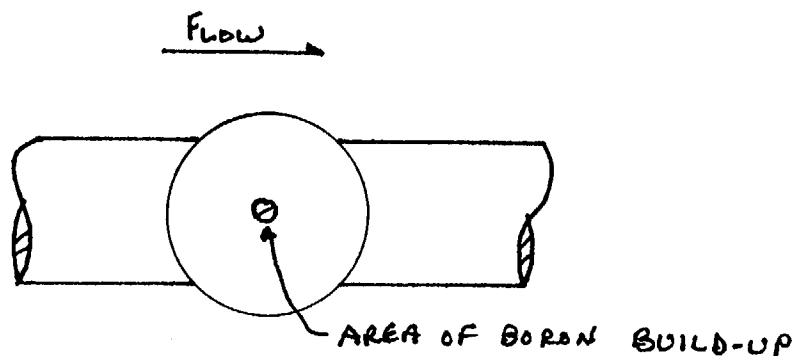
FIGURE 2

VISUAL EXAMINATION SUPPLEMENTAL DATA SHEET

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. Q1E21V068	Drawing Number D-351115 SH.T.1		
WO/WA No. W00600211	Date (Month-Day-Year) 3-13-00	Examiner Scott R. Erickson	Level II	Location AB 121' EL RM 223
Procedure No. FNP-0-NDE-100.22				
Revision No. 2				



Comments: MODERATE DRY BORON BUILD-UP ON VALVE STEM.

Page 2 of 2

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FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package ^{TPNS} QIEZ1V072	Drawing Number 0-351115 SHT.1
WO/WA No. 200600211		System Boundaries SAFETY INJECTION TO RCS HOT LEGS ISOLATION VALVE BODY TO BONNET JOINT.	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner Scott R. Erickson	Level II		
Examiner N/A	Level N/A		
Date (Month-Day-Year) 3-13-00			
SKETCH			
Examination (Per Para. 7.5) ☐ Sat ☒ *Unsat			
*Provide details on unsat areas SEE FIGURE 2 - PAGE 2 OF 2			
Comments REF. RR-27 ^{2000/1893} MWO, written to clean valve stem and check packing. Not a Code item, reinspection not required. Charles W. Dean 5/15/00			

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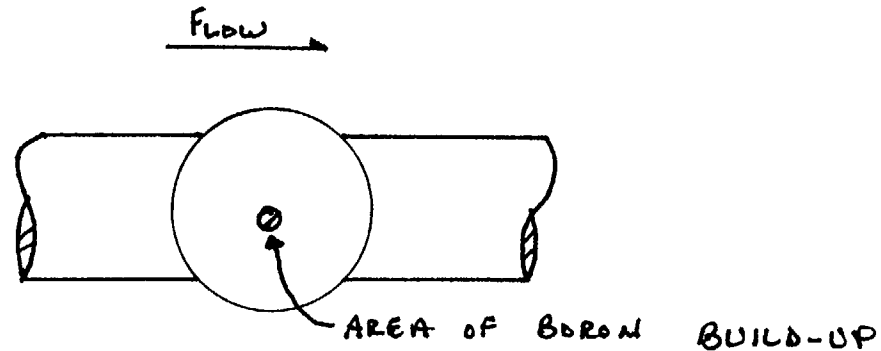
FIGURE 2

VISUAL EXAMINATION SUPPLEMENTAL DATA SHEET

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1	Line Number/Examination Area/Weld No. Q1E21V072		Drawing Number D-351115 SHT. 1		
WO/WA No. 000600211	Date (Month-Day-Year) 3-13-00	Examiner Scott R. Erickson	Level II	Location AB 100' EL. RM 184	
Procedure No. FNP-0-NDE-100.22					
Revision No. 2					



Comments: LIGHT DRY BORON BUILD-UP ON VALVE STEM.

Page 2 of 2

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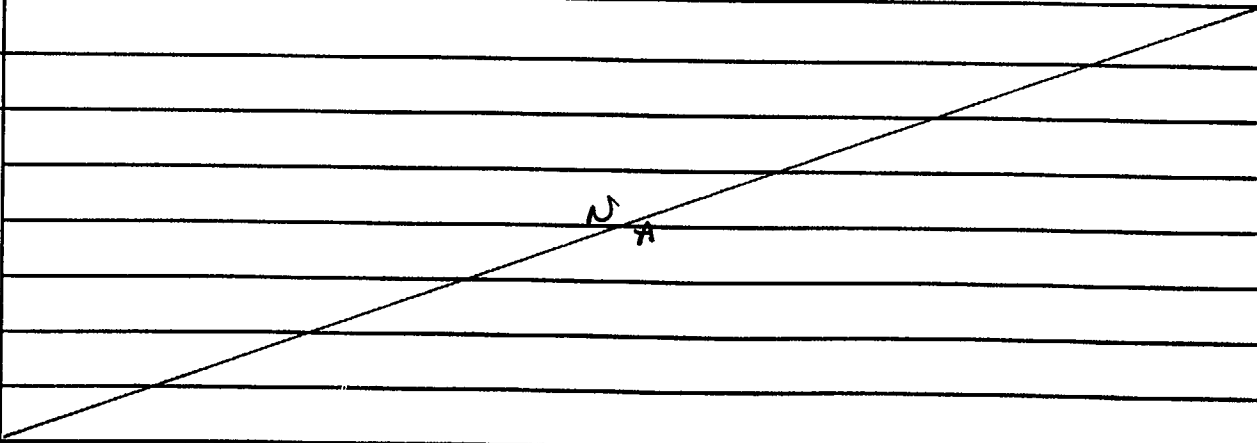
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package ^{TPNS} Q1E21V077A	Drawing Number D-351115 SHT. 1
(WO)WA No. 99008127		System Boundaries	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner <u>Scott R. Erickson</u>	Level <u>II</u>	RCS HOT LEG LOOP 1 SAFETY INJECTION CHECK VALVE BODY TO BONNET JOINT.	
Examiner <u>N/A</u>	Level <u>N/A</u>		
Date (Month-Day-Year) <u>3-7-00</u>			
SKETCH			
Examination (Per Para. 7.5)			
☐ Sat ☒ *Unsat			
*Provide details on unsat areas <u>SEE FIGURE 2 - PAGE 2 OF 2</u>			
Comments <u>REF. RR-27</u>			

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RTYPE: L1.09

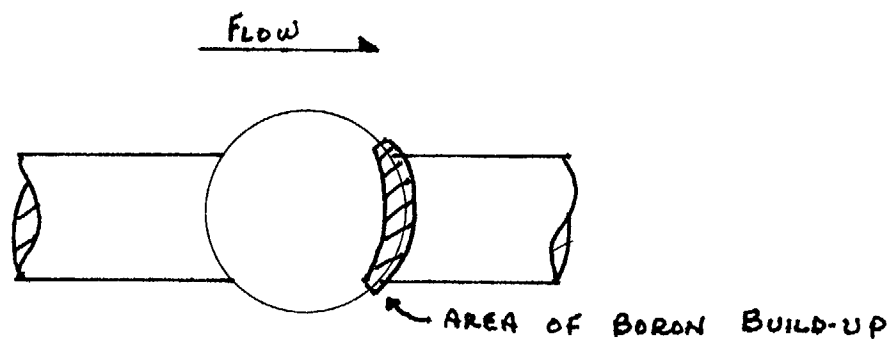
FIGURE 2

VISUAL EXAMINATION SUPPLEMENTAL DATA SHEET

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1	Line Number/Examination Area/Weld No. Q1E2/V077A		Drawing Number D-3511/5 SHT.1		
WO/WA No. 99008127	Date (Month-Day-Year) 3-7-00	Examiner Scott R. Erickson	Level II	Location CTMT LOOP1 126' EL.	
Procedure No. FNP-0-NDE-100.22					
Revision No. 2					



Comments: LIGHT DRY BORON BUILD-UP ON GASKET AREA AND VALVE BOLTING.

Page 2 of 2

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FNP-0. 3-100.23

RTYPE: L1.09

FIGURE 1

SUPPORT EXAMINATION RECORD VT-3

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit <i>Farley 1</i>	Line Number/Examination Area/Weld No. <i>Q1E21V077A</i>			Drawing Number <i>N/A</i>			Sheet No.				
Photos ☐ Yes ☐ B&W ☒ No ☐ Color		Sketch ☐ Yes ☒ No		Resolution ☒ 1/32" Division (Scale) ☐ 1/32" Line (Gray Card)		Technique ☒ Direct ☐ Video ☐ Remote		WO/WA <i>20001938</i> Procedure No. <i>FNP-0-NDE-100.23</i> Revision No. <i>3</i> Examiner/Initial <i>M. GRELL</i> Sig. <i>M. Grell</i> Level <i>3</i> Examiner/Initial <i>N/A</i> Sig. <i>N/A</i> Level Date (Month-Day-Year) <i>4.3.00</i>			
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV		Lighting ☐ Ambient ☒ Flashlight ☐ Droplight		Tools ☒ Scale ☐ Micrometer ☐ Caliper		☐ Depth Gauge ☐ Comparator ☐ Weld Gauge					
<i>N/A</i> SNUBBERS VT-3 Loose Bolt or Pin Connections Shaft Seal Fluid Leakage Fluid Tubing Condition Shaft Cleanliness Spherical Bearings Cotter & Clevis Pins Intact Other**			SAT UN-SAT N/A _____ _____ _____ _____ _____ _____ _____ _____			☒ COMP. INTERNALS & MAT'L SURFACE VT-3 Pitting Corrosion Erosion Foreign Material Gouged Parts Wear Evidence of Leakage Other Cracks**			SAT UN-SAT N/A _____ _____ _____ _____ _____ _____ _____ _____		
* Provide details on unsat areas by use of supplemental data sheet. ** Provide details on other areas examined.			<i>examined studs removed, remaining 1/p</i>			<i>N/A</i> HANGER & SUPPORTS VT-3 Setting: Hot _____ Cold _____ Misalignment Damaged Members Gouges Arc Strikes Grind Marks Freedom of Movement Other**			SAT UN-SAT N/A _____ _____ _____ _____ _____ _____ _____ _____		
Comments <i>examined studs and gasket mating surfaces, no anomalies noted @ time of exam M4.3.00</i>											

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FIGURE 1

FNP-0 E-100.21

RTYPE: L1.09

VISUAL EXAMINATION RECORDED VT-1

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY 1	Line Number/Examination Area/Weld No. Q1E21V077A			Drawing Number N/A		Sheet No.	
Photos ___ Yes ___ B&W ☒ No ___ Color	Sketch ___ Yes ☒ No	Resolution ☒ 1/32" Division (Scale) ___ 1/32" Line (Gray Card)		Technique ☒ Direct ___ Remote ___ Video		WO/WA 2000 1938 Procedure No. FNP-0-NDE-100.21 Revision No. 1 Examiner/Initial M. GRELL Sig. <i>M. Grell</i> Level A Examiner/Initial Sig. N/A Level Date (Month-Day-Year) 4-3-00	
Equipment ☒ Mirror ___ Magnifier ___ CCTV	Lighting ___ Ambient ☒ Flashlight ___ Droplight	Tools ☒ Scale ___ Micrometer ___ Caliper		___ Depth Gauge ___ Comparator ___ Weld Gauge ___ Level			
N/A WELDS & BASE MATERIAL VT-1 Ground Blend Material Undercut Corrosion build-Up Gouges Evidence of Leakage Arc Strikes Cracks Other **				SAT UN-SAT N/A ___			
* Provide details on unsat areas by use of supplemental data sheet. ** Provide details on other areas examined				☒ BOLTS, STUDS, AND WASHERS VT-1 Loose Members Cracks Corrosion Gouges Thread Damage Deformation Protective Coating Evidence of Leakage Other**			
Comments no visible wastage of cross sectional area or threaded surfaces noted @ time of exam 11/11 4-3-00				examined 1 STUD after removal from Valve Body, remaining F/P			

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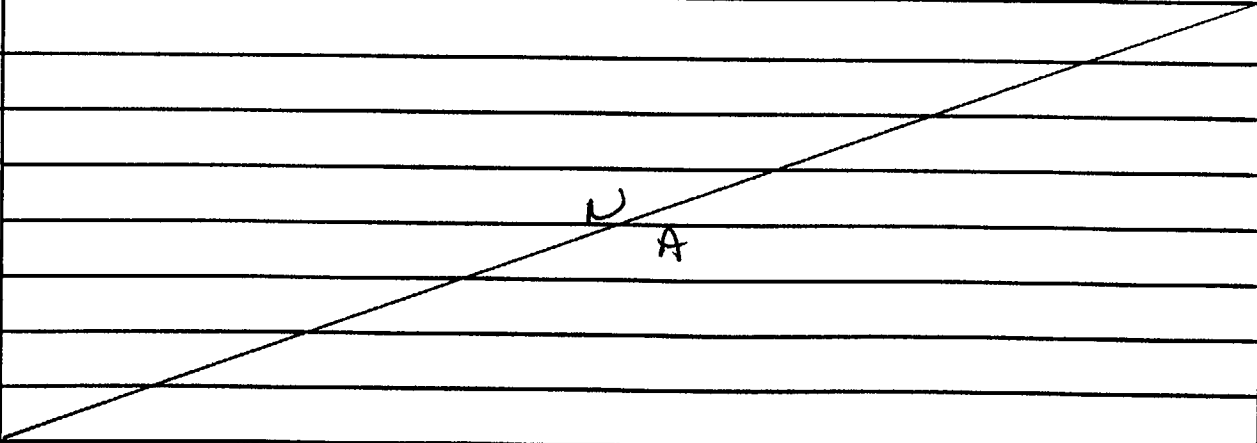
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package <i>TPNS</i> <i>Q1E21V077B</i>	Drawing Number <i>D-351115 SHT. 1</i>
☒ WA No. <i>99008135</i>		System Boundaries <i>LOOP 2 HOT LEG SAFETY INJECTION</i> <i>CHECK VALVE BODY TO BONNET JOINT.</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-13-00</i>			
SKETCH			
Examination (Per Para. 7.5) ☐ Sat ☒ *Unsat			
*Provide details on unsat areas <i>SEE FIGURE 2 - PAGE 2 OF 2</i>			
Comments <i>REF. RR-27</i>			

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RTYPE: L1.09

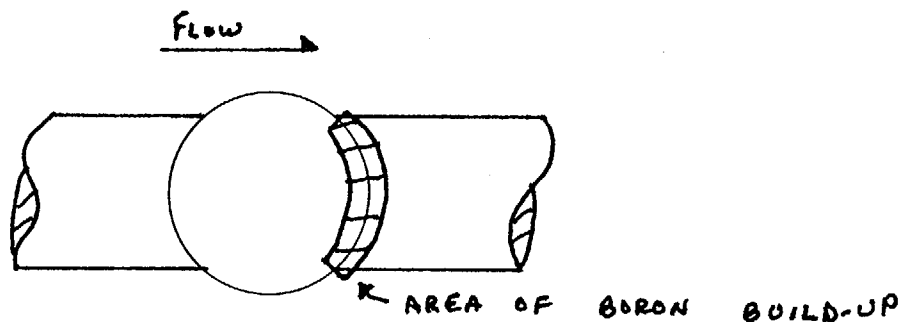
FIGURE 2

VISUAL EXAMINATION SUPPLEMENTAL DATA SHEET

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1	Line Number/Examination Area/Weld No. Q1E21V077B		Drawing Number D-351115 SMT.1		
WO/WA No. 99008135	Date (Month-Day-Year)	Examiner	Level	Location	
Procedure No. FNP-0-NDE-100.22	3-13-00	Scott R. Erickson	II	CTMT LOOP 2 126' EL.	
Revision No. 2					



Comments: LIGHT DRY BORON BUILD-UP ON GASKET AREA.

Page 2 of 2

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FNP-0 3-100.23

RTYPE: L1.09

FIGURE 1

SUPPORT EXAMINATION RECORD VT-3

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY/1		Line Number/Examination Area/Weld No. Q1E21V077B				Drawing Number N/A		Sheet No.			
Photos ___ Yes ___ B&W ☒ No ___ Color		Sketch ___ Yes ☒ No		Resolution ☒ 1/32" Division (Scale) ___ 1/32" Line (Gray Card)		Technique ☒ Direct ___ Video ___ Remote		WO/WA 20001946 Procedure No. FNP-0-NDE-100.23 Revision No. 3 Examiner/Initial M-GRELL Sig. <i>Manfred Grell</i> Level II Examiner/Initial Sig. N/A Level Date (Month-Day-Year) 4/3/00			
Equipment ☒ Mirror ___ Magnifier ___ CCTV		Lighting ___ Ambient ☒ Flashlight ___ Droplight		Tools ☒ Scale ___ Micrometer ___ Caliper ___ Depth Gauge ___ Comparator ___ Weld Gauge ___ Level							
N/A SNUBBERS VT-3 SAT UN-SAT N/A Loose Bolt or Pin Connections ___ Shaft Seal ___ Fluid Leakage ___ Fluid Tubing Condition ___ Shaft Cleanliness ___ Spherical Bearings ___ Cotter & Clevis Pins Intact ___ Other** ___ * Provide details on unsat areas by use of supplemental data sheet. ** Provide details on other areas examined.				COMP. INTERNALS & MAT'L SURFACE VT-3 SAT UN-SAT N/A Pitting ☒ Corrosion ☒ Erosion ☒ Foreign Material ☒ Gouged Parts ☒ Wear ☒ Evidence of Leakage ☒ Other Cracks** ___ Examined 12 studs total. 9 1/P and 3 removed from Valve body.				N/A HANGER & SUPPORTS VT-3 SAT UN-SAT N/A Setting: ___ Hot ___ Cold ___ Misalignment ___ Damaged Members ___ Gouges ___ Arc Strikes ___ Grind Marks ___ Freedom of Movement ___ Other** ___			
Comments examined 12 STUDS - 12 NUTS and Valve & Bonnet Gasket surfaces. no abnormalities noted @ Time of Exam. 11/5/4-3-00											

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SHARED

FIGURE 1

FNP-0 E-100.21

RTYPE: L1.09

VISUAL EXAMINATION RECORDED VT-1

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. Q1E21V077B			Drawing Number N/A		Sheet No.	
Photos ☐ Yes ☐ B&W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☒ 1/32" Division (Scale) ☐ 1/32" Line (Gray Card)		Technique ☒ Direct ☐ Remote ☐ Video		WO/WA 2000 1946 Procedure No. FNP-0-NDE-100.21 Revision No. 1 Examiner/Initial M. GRELL Sig. <i>M. Grell</i> Level II Examiner/Initial Sig. Date (Month-Day-Year) 4-3-00	
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge					
WELDS & BASE MATERIAL VT-1				BOLTS, STUDS, AND WASHERS VT-1			
SAT UN-SAT N/A Ground Blend Material Undercut Corrosion build-Up Gouges Evidence of Leakage Arc Strikes Cracks Other **				SAT UN-SAT N/A Loose Members Cracks Corrosion Gouges Thread Damage Deformation Protective Coating Evidence of Leakage Other**			
* Provide details on unsat areas by use of supplemental data sheet. ** Provide details on other areas examined				examined 3 STUDS Removed from Valvebody 9 studs I/P			
Comments No Visible Wastage of cross sectional area or threaded surfaces noted @ time of exam MW 4/3/00							

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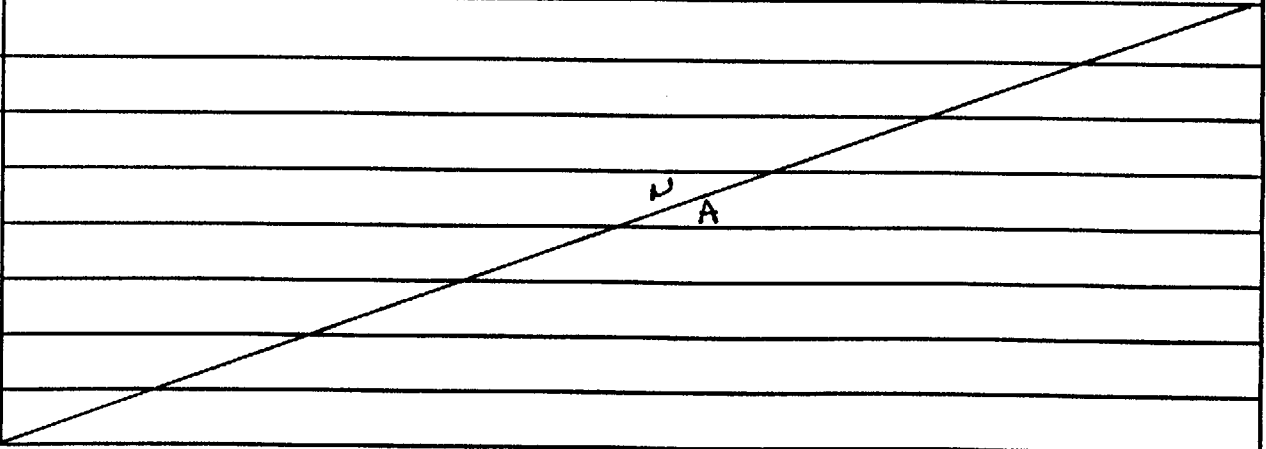
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package <i>TPNS</i> <i>01E21V027C</i>	Drawing Number <i>D-351115 SHT.1</i>
WO/WA No. <i>99008141</i>		System Boundaries <i>SAFETY INJECTION TO LOOP 3 HOT LEG</i> <i>CHECK VALVE BODY TO BONNET JOINT.</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-10-00</i>			
SKETCH			
Examination (Per Para. 7.5) _____ Sat ☒ *Unsat			
*Provide details on unsat areas <i>SEE FIGURE 2 PAGE 2 OF 2</i>			
Comments <i>REF. RR-27</i>			

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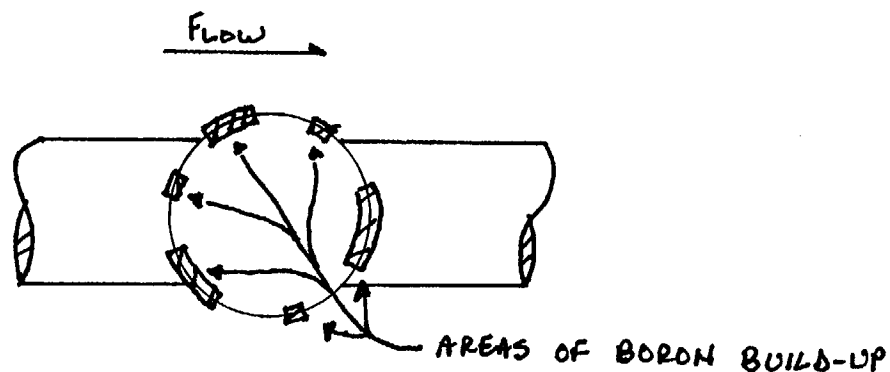
FIGURE 2

VISUAL EXAMINATION SUPPLEMENTAL DATA SHEET

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. Q1E21V077C	Drawing Number D-351115 SMT.1		
WO/WA No. 99008141	Date (Month-Day-Year) 3-10-00	Examiner Scott R. Erickson	Level II	Location CTMT LOOP 3 ELEV. 126'
Procedure No. FNP-0-NDE-100.22				
Revision No. 2				



Comments: LIGHT DRY BORON BUILD-UP ON BASKET AREA AND BOLTING.

Page 2 of 2

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FIGURE 1

SUPPORT EXAMINATION RECORD VT-3

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. Q1E21 V077 C			Drawing Number N/A			Sheet No.			
Photos ___ Yes ___ B&W ☒ No ___ Color		Sketch ___ Yes ☒ No	Resolution ☒ 1/32" Division (Scale) ___ 1/32" Line (Gray Card)	Technique ☒ Direct ___ Video ___ Remote			WO/WA 20001838 Procedure No. FNP-0-NDE-100.23 Revision No. 3 Examiner/Initial M. GRELL Sig. <i>M. Grell</i>			Level II
Equipment ☒ Mirror ___ Magnifier ___ CCTV		Lighting ___ Ambient ☒ Flashlight ___ Droplight	Tools ☒ Scale ___ Depth Gauge ___ Level ___ Micrometer ___ Comparator ___ Caliper ___ Weld Gauge			Examiner/Initial Sig. N/A Date (Month-Day-Year) 3-29-00			Level	
N/A SNUBBERS VT-3 SAT UN-SAT N/A Loose Bolt or Pin Connections Shaft Seal Fluid Leakage Fluid Tubing Condition Shaft Cleanliness Spherical Bearings Cotter & Clevis Pins Intact Other**			COMP. INTERNALS & MAT'L SURFACE VT-3 SAT UN-SAT N/A Pitting Corrosion Erosion Foreign Material Gouged Parts Wear Evidence of Leakage Other Cracks**			N/A HANGER & SUPPORTS VT-3 SAT UN-SAT N/A Setting: Hot ___ Cold ___ Misalignment Damaged Members Gouges Arc Strikes Grind Marks Freedom of Movement Other**				
* Provide details on unsat areas by use of supplemental data sheet. ** Provide details on other areas examined.			examined (1) STUD WHEN REMOVED FROM VALVE BODY. REMAINING STUDS EXAMINED IN PLACE.							
Comments <i>examined studs & nuts along with gasket seating surfaces. no abnormalities noted @ time of exam.</i> <i>* minor surface corrosion & tool marks noted on studs and nuts</i>										

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FIGURE 1

FNP-0 E-100.21

RTYPE: L1.09

VISUAL EXAMINATION RECORDED VT-1

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. Q1E21V077C			Drawing Number N/A		Sheet No.																																																																													
Photos ☐ Yes ☐ B&W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☒ 1/32" Division (Scale) ☐ 1/32" Line (Gray Card)		Technique ☒ Direct ☐ Remote ☐ Video		WO/WA 2000/838 Procedure No. FNP-0-NDE-100.21 Revision No. 1 Examiner/Initial M. GREGG Sig. <i>M. Gregg</i> Level <i>2</i> Examiner/Initial Sig. N/A Level Date (Month-Day-Year) 3-29-00																																																																													
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	Tools ☒ Scale ☐ Micrometer ☐ Caliper ☐ Depth Gauge ☐ Comparator ☐ Weld Gauge ☐ Level																																																																																	
N/A WELDS & BASE MATERIAL VT-1 <table border="1"> <thead> <tr> <th></th> <th>SAT</th> <th>UN-SAT</th> <th>N/A</th> </tr> </thead> <tbody> <tr><td>Ground Blend Material</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>Undercut</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>Corrosion build-Up</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>Gouges</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>Evidence of Leakage</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>Arc Strikes</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>Cracks</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>Other **</td><td>—</td><td>—</td><td>—</td></tr> </tbody> </table>					SAT	UN-SAT	N/A	Ground Blend Material	—	—	—	Undercut	—	—	—	Corrosion build-Up	—	—	—	Gouges	—	—	—	Evidence of Leakage	—	—	—	Arc Strikes	—	—	—	Cracks	—	—	—	Other **	—	—	—	✓ BOLTS, STUDS, AND WASHERS VT-1 <table border="1"> <thead> <tr> <th></th> <th>SAT</th> <th>UN-SAT</th> <th>N/A</th> </tr> </thead> <tbody> <tr><td>Loose Members</td><td>—</td><td>—</td><td>✓</td></tr> <tr><td>Cracks</td><td>✓</td><td>—</td><td>—</td></tr> <tr><td>Corrosion</td><td>* ✓</td><td>—</td><td>—</td></tr> <tr><td>Gouges</td><td>✓</td><td>—</td><td>—</td></tr> <tr><td>Thread Damage</td><td>* ✓</td><td>—</td><td>—</td></tr> <tr><td>Deformation</td><td>✓</td><td>—</td><td>—</td></tr> <tr><td>Protective Coating</td><td>✓</td><td>—</td><td>—</td></tr> <tr><td>Evidence of Leakage</td><td>✓</td><td>—</td><td>—</td></tr> <tr><td>Other**</td><td>—</td><td>—</td><td>✓</td></tr> </tbody> </table>					SAT	UN-SAT	N/A	Loose Members	—	—	✓	Cracks	✓	—	—	Corrosion	* ✓	—	—	Gouges	✓	—	—	Thread Damage	* ✓	—	—	Deformation	✓	—	—	Protective Coating	✓	—	—	Evidence of Leakage	✓	—	—	Other**	—	—	✓
	SAT	UN-SAT	N/A																																																																																
Ground Blend Material	—	—	—																																																																																
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Comments no visible wastage of cross sectional area or threaded surfaces noted @ time of exam. examined 1 STUD after removal from valve body, remaining studs examined I/P ME 3-29-00																																																																																			

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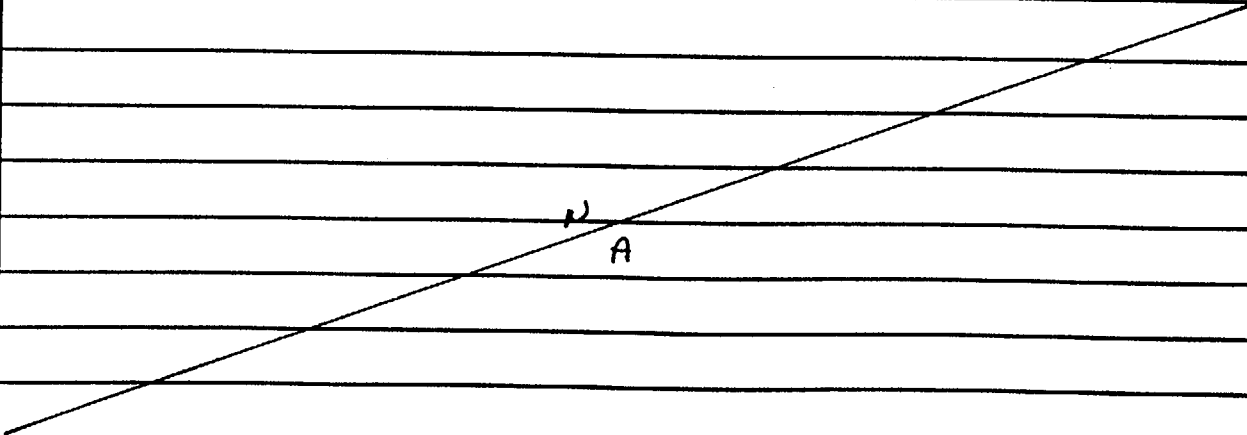
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY //		Data Package <i>TPNS QIE21V110</i>	Drawing Number <i>D-351116 SHT. 1</i>
WO#WA No. <i>99008137</i>		System Boundaries <i>LOOP 2 COLD LEG NORMAL CHARGING</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>	<i>CHECK VALVE BODY TO BONNET JOINT.</i>	
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-7-00</i>			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas <i>N/A</i>			
Comments <i>REF. BR-27</i>			

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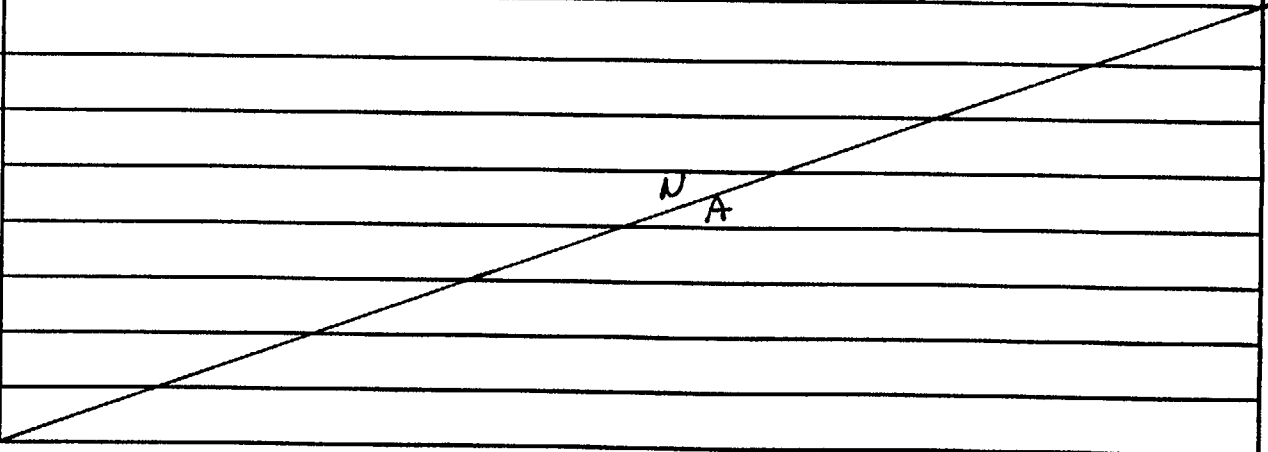
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package <i>TPNS</i> <i>01E21V111</i>	Drawing Number <i>D-351116 SHT. 1</i>
WOJWA No. <i>99000129</i>		System Boundaries <i>LOOP 1 COLD LEG ALTERNATE CHARGING</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>	<i>CHECK VALVE BODY TO BONNET JOINT.</i>	
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-10-00</i>			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas <i>N/A</i>			
Comments <i>REF. RR-27</i>			

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SHARED

FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY/1		Data Package TPNS Q1E2IV112	Drawing Number D-351116 SHT.1
WOIWA No. 99008138		System Boundaries NORMAL CHARGING TO LOOP 2 COLD LEG CHECK VALVE BODY TO BONNET JOINT.	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner Scott R. Erickson	Level II		
Examiner N/A	Level N/A		
Date (Month-Day-Year) 3-10-00			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas N/A			
Comments REF. RR-27			

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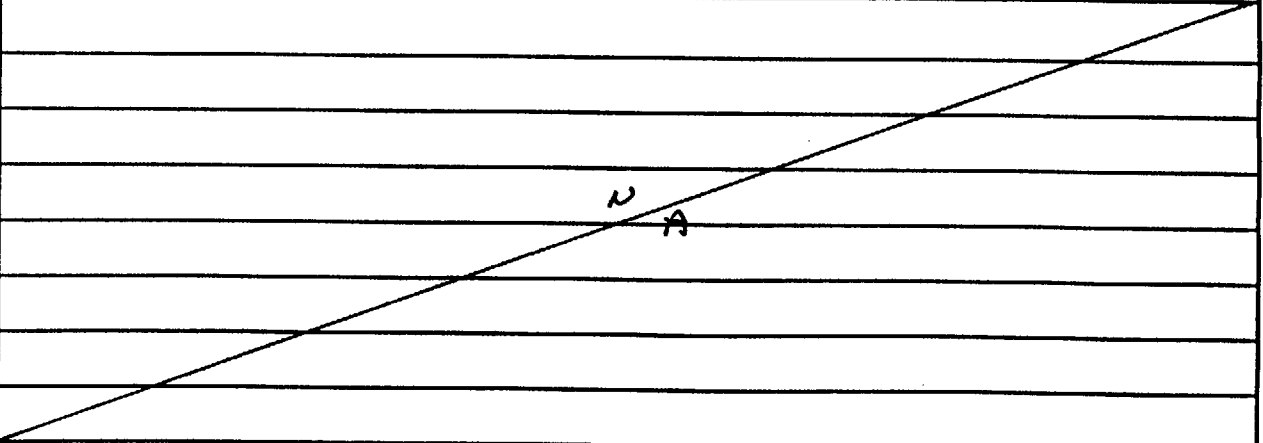
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package <i>TPNS</i> <i>Q1E21Y113</i>	Drawing Number <i>D-351116 SHT.1</i>
WO/WA No. <i>99008130</i>		System Boundaries <i>LOOP 1 COLD LEG ALTERNATE CHARGING</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>	<i>CHECK VALVE BODY TO BONNET JOINT.</i>	
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-10-00</i>			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas <i>N/A</i>			
Comments <i>REF. RR-27</i>			

02/28/00 07:55:50

SHARED

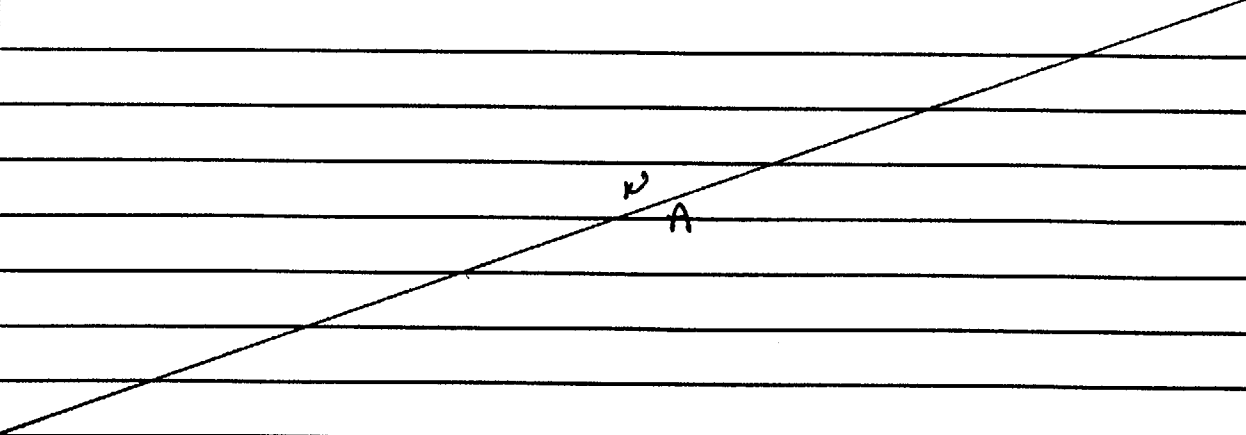
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY/1		Data Package <i>TPNS 01E2IV245</i>	Drawing Number <i>D-351116 SHT. 1</i>
WO/WA No. <i>99008144</i>		System Boundaries <i>RCS PRESSURIZER AUXILIARY SPRAY VALVE</i> <i>BODY TO BONNET JOINT</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-7-00</i>			
SKETCH			
Examination (Per Para. 7.5)			
☐ Sat ☒ *Unsat			
*Provide details on unsat areas <i>SEE FIGURE 2 - PAGE 2 OF 2</i>			
Comments <i>REF. RR-27 MWO 2000 1942 written to clean valve stem and check packing. Not a Code item, Reinspection not required. Charles W. Dean 5/15/00</i>			

02/28/00 07:55:50

SHARED

FNP-0-NDE-100.22
RTYPE: L1.09

FIGURE 2

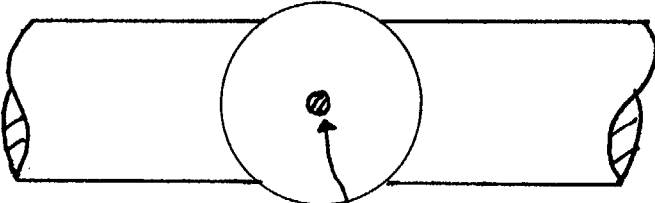
VISUAL EXAMINATION SUPPLEMENTAL DATA SHEET

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1	Line Number/Examination Area/Weld No. Q1E21V245	Drawing Number D-351116 SHT. 1		
WO/WA No. 99008144	Date (Month-Day-Year) 3-7-00	Examiner Scott R. Erickson	Level II	Location CTMT OMA 108' EL.
Procedure No. FNP-0-NDE-100.22				
Revision No. 2				

Flow →



AREA OF BORON BUILD-UP

Comments: LIGHT DRY BORON BUILD-UP ON VALVE STEM
Page 2 of 2

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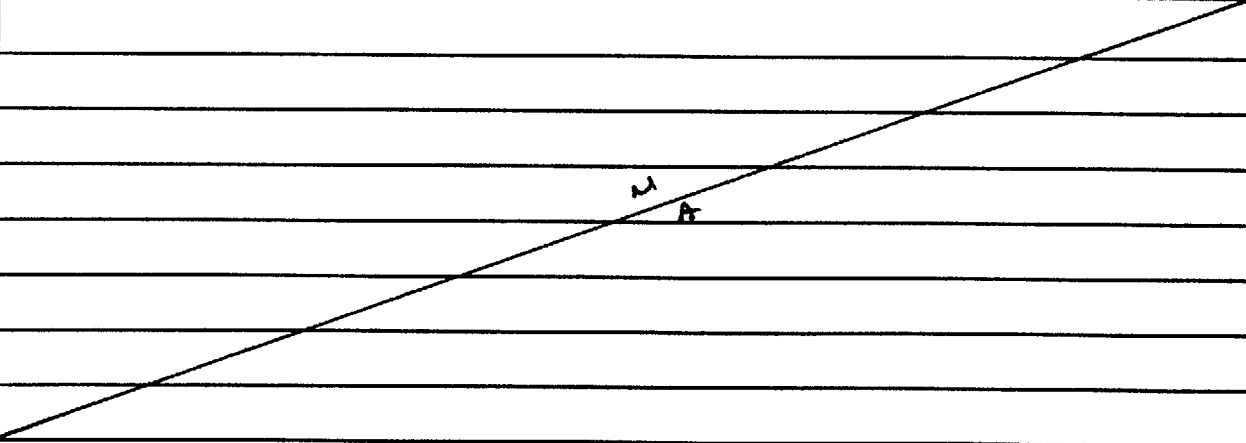
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package <i>TPNS</i> <i>01E21V246</i>	Drawing Number <i>D-351116 SHT.1</i>
WO/WA No. <i>99008150</i>		System Boundaries <i>RCS LOOP 3 TO EXCESS LETDOWN HEAT EXCHANGER BODY TO BONNET JOINT.</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-7-00</i>			
SKETCH			
Examination (Per Para. 7.5) ☐ Sat ☒ *Unsat			
*Provide details on unsat areas <i>SEE FIGURE 2 - SHEET 2 OF 2</i>			
Comments <i>REF. RR-27</i>			

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FNP-0-NDE-100.22

RTYPE: L1.09

FIGURE 2

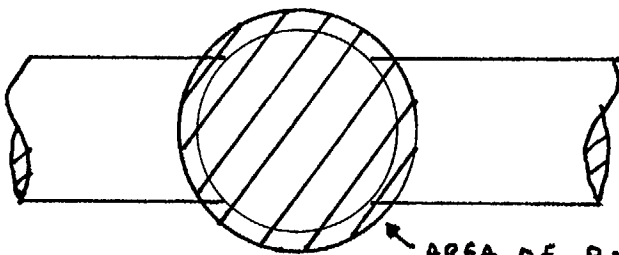
VISUAL EXAMINATION SUPPLEMENTAL DATA SHEET

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1	Line Number/Examination Area/Weld No. Q1E21V246	Drawing Number D-351116 SHT. 1		
WO/WA No. 99008150	Date (Month-Day-Year) 3-7-00	Examiner Scott R. Erickson	Level II	Location CTMT LOOP 3 107' EL.
Procedure No. FNP-0-NDE-100.22				
Revision No. 2				

Flow →



AREA OF BORON BUILD-UP

Comments: HEAVY DRY BORON BUILD-UP ON GASKET AREA AND BOLTING AND VALVE BODY
Page 2 of 2

SHARED

FIGURE 1

SUPPORT EXAMINATION RECORD VT-3

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY 11		Line Number/Examination Area/Weld No. Q1E21V246				Drawing Number N/A		Sheet No.			
Photos ___ Yes ___ B&W ☒ No ___ Color		Sketch ___ Yes ☒ No		Resolution ☒ 1/32" Division (Scale) ___ 1/32" Line (Gray Card)		Technique ☒ Direct ___ Video ___ Remote		WO/WA 20001943 Procedure No. FNP-0-NDE-100.23 Revision No. 3 Examiner/Initial SCOTT R. ERICKSON Sig. Scott R. Erickson Level II			
Equipment ☒ Mirror ___ Magnifier ___ CCTV		Lighting ___ Ambient ☒ Flashlight ___ Droplight		Tools ☒ Scale ___ Depth Gauge ___ Level ___ Micrometer ___ Comparator ___ Caliper ___ Weld Gauge		Examiner/Initial Sig. N/A Level N/A Date (Month-Day-Year) 3-27-00					
N/A SNUBBERS VT-3 SAT UN-SAT N/A				☒ COMP. INTERNALS & MAT'L SURFACE VT-3 SAT UN-SAT N/A				N/A HANGER & SUPPORTS VT-3 SAT UN-SAT N/A			
Loose Bolt or Pin Connections Shaft Seal Fluid Leakage Fluid Tubing Condition Shaft Cleanliness Spherical Bearings Cotter & Clevis Pins Intact Other**				Pitting Corrosion Erosion Foreign Material Gouged Parts Wear Evidence of Leakage Other Cracks**				Setting: Hot ___ Cold ___ Misalignment Damaged Members Gouges Arc Strikes Grind Marks Freedom of Movement Other**			
* Provide details on unsat areas by use of supplemental data sheet. ** Provide details on other areas examined.											

Comments **EXAMINED FLANGE, GASKET SEATING AREA, (5) STUDS IN PLACE, (1) STUD AFTER REMOVAL FROM VALVE BODY. NO VISIBLE WASTAGE OF CROSS SECTIONAL AREA OR THREADED SURFACES NOTED AT TIME OF EXAM. SEE 3-27-00**

03/18/00 13:55:19

SHARED

FIGURE 1

 FNP-0-NDE-100.21
 RTYPE: L1.09

VISUAL EXAMINATION RECORDED VT-1

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1	Line Number/Examination Area/Weld No. <u>Q1E21V246</u>	Drawing Number <u>N/A</u>	Sheet No.																																																																																	
Photos ☐ Yes ☐ B&W ☒ No ☐ Color	Sketch ☐ Yes ☒ No	Resolution ☒ 1/32" Division (Scale) ☐ 1/32" Line (Gray Card)	Technique ☒ Direct ☐ Remote ☐ Video	WO/WA <u>20001943</u>																																																																																
				Procedure No. FNP-0-NDE-100.21																																																																																
				Revision No. <u>1</u>																																																																																
				Examiner/Initial <u>Scott R. Erickson</u> Level <u>II</u> Sig. <u>Scott R. Erickson</u>																																																																																
Equipment ☒ Mirror ☐ Magnifier ☐ CCTV	Lighting ☐ Ambient ☒ Flashlight ☐ Droplight	Tools ☒ Scale ☐ Depth Gauge ☐ Level ☐ Micrometer ☐ Comparator ☐ Caliper ☐ Weld Gauge	Examiner/Initial Sig. <u>N/A</u> Level <u>N/A</u>	Date (Month-Day-Year) <u>3-27-00</u>																																																																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"><u>N/A</u> WELDS & BASE MATERIAL VT-1</th> <th style="width: 10%;">SAT</th> <th style="width: 10%;">UN-SAT</th> <th style="width: 10%;">N/A</th> <th style="width: 50%;">☒ BOLTS, STUDS, AND WASHERS VT-1</th> <th style="width: 10%;">SAT</th> <th style="width: 10%;">UN-SAT</th> <th style="width: 10%;">N/A</th> </tr> </thead> <tbody> <tr> <td>Ground Blend Material</td> <td>___</td> <td>___</td> <td>___</td> <td>Loose Members</td> <td>___</td> <td>___</td> <td>☒</td> </tr> <tr> <td>Undercut</td> <td>___</td> <td>___</td> <td>___</td> <td>Cracks</td> <td>☒</td> <td>___</td> <td>___</td> </tr> <tr> <td>Corrosion build-Up</td> <td>___</td> <td>___</td> <td>___</td> <td>Corrosion</td> <td>☒</td> <td>___</td> <td>___</td> </tr> <tr> <td>Gouges</td> <td>___</td> <td>___</td> <td>___</td> <td>Gouges</td> <td>☒</td> <td>___</td> <td>___</td> </tr> <tr> <td>Evidence of Leakage</td> <td>___</td> <td>___</td> <td>___</td> <td>Thread Damage</td> <td>☒</td> <td>___</td> <td>___</td> </tr> <tr> <td>Arc Strikes</td> <td>___</td> <td>___</td> <td>___</td> <td>Deformation</td> <td>☒</td> <td>___</td> <td>___</td> </tr> <tr> <td>Cracks</td> <td>___</td> <td>___</td> <td>___</td> <td>Protective Coating</td> <td>☒</td> <td>___</td> <td>___</td> </tr> <tr> <td>Other **</td> <td>___</td> <td>___</td> <td>___</td> <td>Evidence of Leakage</td> <td>___</td> <td>___</td> <td>☒</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Other**</td> <td>___</td> <td>___</td> <td>☒</td> </tr> </tbody> </table>					<u>N/A</u> WELDS & BASE MATERIAL VT-1	SAT	UN-SAT	N/A	☒ BOLTS, STUDS, AND WASHERS VT-1	SAT	UN-SAT	N/A	Ground Blend Material	___	___	___	Loose Members	___	___	☒	Undercut	___	___	___	Cracks	☒	___	___	Corrosion build-Up	___	___	___	Corrosion	☒	___	___	Gouges	___	___	___	Gouges	☒	___	___	Evidence of Leakage	___	___	___	Thread Damage	☒	___	___	Arc Strikes	___	___	___	Deformation	☒	___	___	Cracks	___	___	___	Protective Coating	☒	___	___	Other **	___	___	___	Evidence of Leakage	___	___	☒					Other**	___	___	☒
<u>N/A</u> WELDS & BASE MATERIAL VT-1	SAT	UN-SAT	N/A	☒ BOLTS, STUDS, AND WASHERS VT-1	SAT	UN-SAT	N/A																																																																													
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Undercut	___	___	___	Cracks	☒	___	___																																																																													
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FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package ^{TPNS} Q1E21V242	Drawing Number D-351114 SHT. 1
WOIWA No. 99008145		System Boundaries RCS LOOP 3 TO EXCESS LETDOWN DELAY ISOLATION VALVE BODY TO BONNET JOINT	
Procedure No. FNP-0-NDE-100.22			
Revision No. 2			
Examiner Scott R. Erickson	Level II		
Examiner N/A	Level N/A		
Date (Month-Day-Year) 3-7-00			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas N/A			
Comments REF. RR-27			

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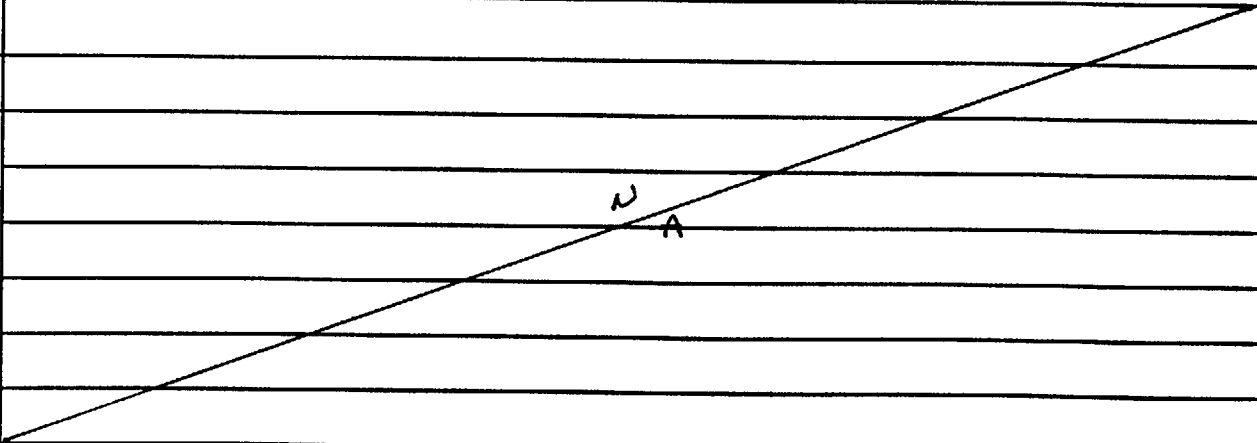
FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package <i>TPNS</i> <i>01E21V367</i>	Drawing Number <i>D-351116 SHT.1</i>
WOA No. <i>99008133</i>		System Boundaries <i>RCS COLD LEG LOOP 1 TO LETDOWN ISOLATION</i> <i>VALVE BODY TO BONNET JOINT.</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-9-00</i>			
SKETCH			
Examination (Per Para. 7.5)			
_____ Sat ☒ _____ *Unsat			
*Provide details on unsat areas <i>SEE FIGURE 2 - PAGE 2 OF 2</i>			
Comments <i>REF. RR-27</i>			

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FNP-0-NDE-100.22

RTYPE: L1.09

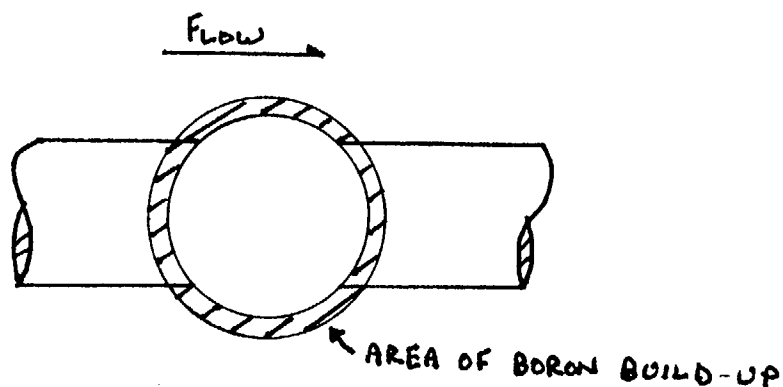
FIGURE 2

VISUAL EXAMINATION SUPPLEMENTAL DATA SHEET

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1	Line Number/Examination Area/Weld No. Q1E21V367		Drawing Number D-351116 SHT. 1		
WO/WA No. 99008133	Date (Month-Day-Year) 3-9-00	Examiner SCOTT R. ERICHSON	Level II	Location CTMT REG. HX 106' EL.	
Procedure No. FNP-0-NDE-100.22					
Revision No. 2					



Comments: MODERATE DRY BORON BUILD-UP ON GASKET

Page 2 of 2

03/18/00 13:55:19

SHARED

FIGURE 1

FNP-0-NDE-100.21
RTYPE: L1.09

VISUAL EXAMINATION RECORDED VT-1

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY / 1	Line Number/Examination Area/Weld No. Q1E21V367			Drawing Number N/A		Sheet No.																																																																																									
Photos ___ Yes ___ B&W ☒ No ___ Color	Sketch ___ Yes ☒ No	Resolution ☒ 1/32" Division (Scale) ___ 1/32" Line (Gray Card)	Technique ☒ Direct ___ Video ___ Remote		WO/WA 20001826																																																																																										
					Procedure No. FNP-0-NDE-100.21																																																																																										
					Revision No. 1																																																																																										
					Examiner/Initial <u>SCOTT R. ERICKSON</u> Level <u>II</u> Sig. <u>SCOTT R. ERICKSON</u>																																																																																										
Equipment ☒ Mirror ___ Magnifier ___ CCTV	Lighting ___ Ambient ☒ Flashlight ___ Droplight	Tools ☒ Scale ___ Depth Gauge ___ Level ___ Micrometer ___ Comparator ___ Caliper ___ Weld Gauge		Examiner/Initial Sig. <u>N/A</u> Level <u>N/A</u>		Date (Month-Day-Year) 3-22-00																																																																																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 10%;">SAT</th> <th style="width: 10%;">UN-SAT</th> <th style="width: 10%;">N/A</th> <th style="width: 40%;"></th> <th style="width: 10%;">SAT</th> <th style="width: 10%;">UN-SAT</th> <th style="width: 10%;">N/A</th> </tr> </thead> <tbody> <tr> <td><u>N/A</u> WELDS & BASE MATERIAL VT-1</td> <td></td> <td></td> <td></td> <td>☒ BOLTS, STUDS, AND WASHERS VT-1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Ground Blend Material</td> <td>___</td> <td>___</td> <td>___</td> <td>Loose Members</td> <td>___</td> <td>___</td> <td>☒</td> </tr> <tr> <td>Undercut</td> <td>___</td> <td>___</td> <td>___</td> <td>Cracks</td> <td>☒</td> <td>___</td> <td>___</td> </tr> <tr> <td>Corrosion build-Up</td> <td>___</td> <td>___</td> <td>___</td> <td>Corrosion</td> <td>☒</td> <td>___</td> <td>___</td> </tr> <tr> <td>Gouges</td> <td>___</td> <td>___</td> <td>___</td> <td>Gouges</td> <td>☒</td> <td>___</td> <td>___</td> </tr> <tr> <td>Evidence of Leakage</td> <td>___</td> <td>___</td> <td>___</td> <td>Thread Damage</td> <td>☒</td> <td>___</td> <td>___</td> </tr> <tr> <td>Arc Strikes</td> <td>___</td> <td>___</td> <td>___</td> <td>Deformation</td> <td>☒</td> <td>___</td> <td>___</td> </tr> <tr> <td>Cracks</td> <td>___</td> <td>___</td> <td>___</td> <td>Protective Coating</td> <td>☒</td> <td>___</td> <td>___</td> </tr> <tr> <td>Other **</td> <td>___</td> <td>___</td> <td>___</td> <td>Evidence of Leakage</td> <td>___</td> <td>___</td> <td>☒</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Other**</td> <td>___</td> <td>___</td> <td>☒</td> </tr> </tbody> </table>									SAT	UN-SAT	N/A		SAT	UN-SAT	N/A	<u>N/A</u> WELDS & BASE MATERIAL VT-1				☒ BOLTS, STUDS, AND WASHERS VT-1				Ground Blend Material	___	___	___	Loose Members	___	___	☒	Undercut	___	___	___	Cracks	☒	___	___	Corrosion build-Up	___	___	___	Corrosion	☒	___	___	Gouges	___	___	___	Gouges	☒	___	___	Evidence of Leakage	___	___	___	Thread Damage	☒	___	___	Arc Strikes	___	___	___	Deformation	☒	___	___	Cracks	___	___	___	Protective Coating	☒	___	___	Other **	___	___	___	Evidence of Leakage	___	___	☒					Other**	___	___	☒
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Comments <u>EXAMINED (1) STUD AFTER REMOVAL FROM VALVE BODY. EXAMINED (5) STUDS IN PLACE. NO</u> <u>VISIBLE WASTAGE OF CROSS SECTIONAL AREA OR THREADED SURFACES NOTED. SPE 3-22-00</u>																																																																																															

SHARED

FIGURE 1

SUPPORT EXAMINATION RECORD VT-3

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY 11	Line Number/Examination Area/Weld No. Q1E21V367			Drawing Number N/A	Sheet No.
Photos ___ Yes ___ B&W ☒ No ___ Color	Sketch ___ Yes ☒ No	Resolution ☒ 1/32" Division (Scale) ___ 1/32" Line (Gray Card)	Technique ☒ Direct ___ Video ___ Remote		☒ WO/WA 20001826 Procedure No. FNP-0-NDE-100.23 Revision No. 3 Examiner/Initial SCOTT R. ERICKSON Level II Sig. SCOTT R. ERICKSON Examiner/Initial N/A Level N/A Sig. N/A Date (Month-Day-Year) 3-22-00
Equipment ☒ Mirror ___ Magnifier ___ CCTV	Lighting ___ Ambient ☒ Flashlight ___ Droplight	Tools ☒ Scale ___ Depth Gauge ___ Level ___ Micrometer ___ Comparator ___ Caliper ___ Weld Gauge			
N/A SNUBBERS VT-3	SAT	UN-SAT	N/A	☒ COMP. INTERNALS & MAT'L SURFACE VT-3	SAT UN-SAT N/A
Loose Bolt or Pin Connections	___	___	___	Pitting	☒ ___
Shaft Seal	___	___	___	Corrosion	☒ ___
Fluid Leakage	___	___	___	Erosion	☒ ___
Fluid Tubing Condition	___	___	___	Foreign Material	☒ ___
Shaft Cleanliness	___	___	___	Gouged Parts	☒ ___
Spherical Bearings	___	___	___	Wear	☒ ___
Cotter & Clevis Pins Intact	___	___	___	Evidence of Leakage	☒ ___
Other**	___	___	___	Other Cracks**	___ ☒
* Provide details on unsat areas by use of supplemental data sheet.					
** Provide details on other areas examined.					
N/A HANGER & SUPPORTS VT-3	SAT	UN-SAT	N/A	Setting:	___
	___	___	___	Hot ___ Cold ___	___
	___	___	___	Misalignment	___
	___	___	___	Damaged Members	___
	___	___	___	Gouges	___
	___	___	___	Arc Strikes	___
	___	___	___	Grind Marks	___
	___	___	___	Freedom of Movement	___
	___	___	___	Other**	___

Comments **EXAMINED FLANGE, GASKET SEATING AREA AND (5) BOLTS IN PLACE-SAT. EXAMINED (1) BOLT AFTER REMOVAL FROM VALVE BODY-SAT. NO VISIBLE WASTAGE OF CROSS SECTIONAL AREA OR THREADED SURFACES. NOTED. SEE 3-22-00**

02/28/00 07:55:50

SHARED

FNP-0-NDE-100.22

FIGURE 1

VISUAL EXAMINATION RECORD - VT2

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit FARLEY /1		Data Package <i>TPNS</i> <i>QIE21V368</i>	Drawing Number <i>D-351116 SHT.1</i>
WO/WA No. <i>99008132</i>		System Boundaries <i>RCS COLD LEG LOOP 1 TO LETDOWN</i> <i>ISOLATION VALVE BODY TO BONNET JOINT.</i>	
Procedure No. FNP-0-NDE-100.22			
Revision No. <i>2</i>			
Examiner <i>Scott R. Erickson</i>	Level <i>II</i>		
Examiner <i>N/A</i>	Level <i>N/A</i>		
Date (Month-Day-Year) <i>3-9-00</i>			
SKETCH			
Examination (Per Para. 7.5) ☒ Sat ☐ *Unsat			
*Provide details on unsat areas <i>N/A</i>			
Comments <i>REF. RA-27</i>			

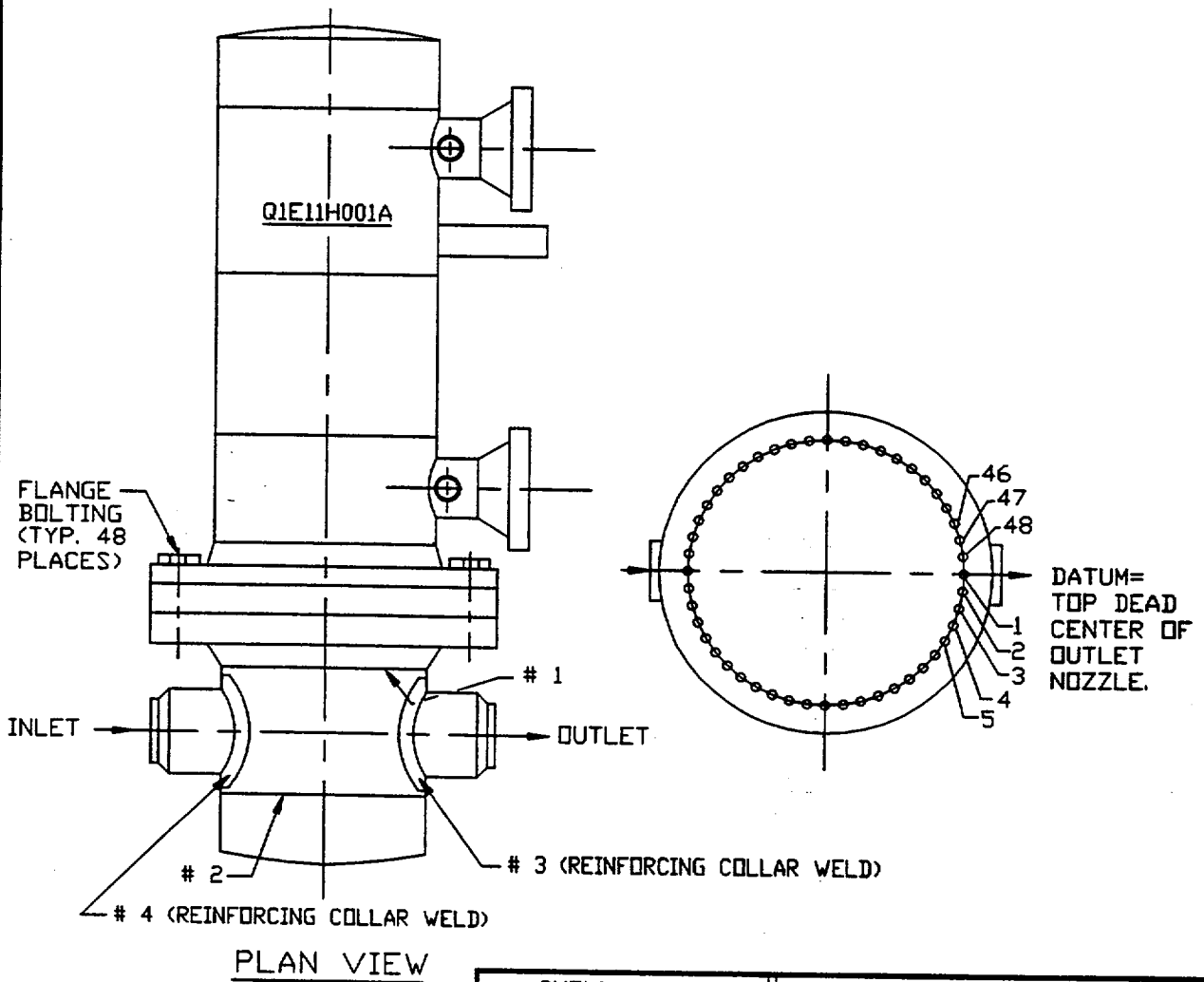
DRAWING ALA2-3500
RHR HEAT EXCHANGER A

[illegible]

AUXILIARY
EL. 83'-0"
ROOM 128

RESIDUAL HEAT EXCHANGER (A)

ALA2-3500



SHELL MATERIAL	0.875" T ASTM 240 TYPE 304 SST
NOZZLE MATERIAL	0.875" T ASTM 182 TYPE 316
WELDS	
SHELL TO FLANGE (#1) (FNP FIG.-024) AND HEAD TO SHELL (#2) (FNP FIG.-023)	
DIAMETER	39.75"
CIRCUMFERENCE	124.878"
CAL. BLOCK	ALA-32
REINFORCING COLLAR WELDS	
#3	FNP FIG.-027
#4	FNP FIG.-027
FLANGE BOLTING	48 - 1.375" DIA. BOLTS

1		RAW		REVISED PER REA 96-1295, REV. 0				
0	6-30-92	SDH	JAR	ISSUED PER PCN S-92-1-8162.	CAB	CCM for WRH	AH	DML
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4

Southern Company Services, Inc. for RESIDUAL HEAT EXCHANGER (A)

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

82

1

CAD ALA23500
AUTOCAD RAV-02

SHARED

FARLEY NUCLEAR PLANT
Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.31
Southern Nuclear Operating Company

Unit	Sketch/Component No.	Date	Sheet No.	Page
1	ALA2-3500-1	3/15/00	S00F1U051	1 of 3
Procedure/Rev./TCN	Couplant/Batch No.	Thermometer SN/Cal Due Date	Linearity Sheet No.	
FNP-0-NDE-100.31 / 7 / N/A	SONOTRACE 40 / 94243	38081 / 8/27/2000	S00F1L002	

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration																																				
Instrument	STAVELEY	Transducer Mfg.	KBA	Cal. Blk. No.	ALA-32	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Cal. Refl.</th> <th>Signal Amp.</th> <th>Sweep Div.</th> <th>Wmax</th> <th>Cal. Refl.</th> <th>Signal Amp.</th> <th>Sweep Div.</th> <th>Wmax</th> </tr> <tr> <td>1T</td> <td>80</td> <td>2.0</td> <td>.87</td> <td>1T</td> <td>80</td> <td>2.0</td> <td>.87</td> </tr> <tr> <td>2T</td> <td>45</td> <td>4.0</td> <td>1.68</td> <td>2T</td> <td>45</td> <td>4.0</td> <td>1.68</td> </tr> <tr> <td>3T</td> <td>35</td> <td>6.0</td> <td>2.45</td> <td>3T</td> <td>35</td> <td>6.0</td> <td>2.45</td> </tr> <tr> <td>4T</td> <td>20</td> <td>8.0</td> <td>3.25</td> <td>4T</td> <td>20</td> <td>8.0</td> <td>3.25</td> </tr> </table>	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	1T	80	2.0	.87	1T	80	2.0	.87	2T	45	4.0	1.68	2T	45	4.0	1.68	3T	35	6.0	2.45	3T	35	6.0	2.45	4T	20	8.0	3.25	4T	20	8.0	3.25
Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.		Sweep Div.	Wmax																																						
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4T	20	8.0	3.25	4T	20	8.0	3.25																																							
Serial No.	136X-472F	Serial No.	031279	Thickness	.880"																																									
Ax. dB	43.00	Size	.375	Cal. Temp.	72																																									
Ref.	28.4	Frequency/Mode	2.25 / S	Cal. In	1300																																									
Scan	38.4	"A" Dimension	.3	Cal. Chk.	1420	Calibration Remarks: N/A																																								
Reject	OFF	Nominal Angle	45	Cal. Out	1510																																									
Frequency	2.25	Measured Angle	45	Ref. Blk. No.	4976																																									
Mode	P/E	Cable Type	RG174	Reflector	HOLE																																									
Damping	500 OHMS	Cable Length	15'	Amplitude/Sweep	20% / 1.7																																									

Comp. Temp.: 77 °F Configuration: RESID HX A FLANGE TO SHELL Wo Location C/L Lo Location TDC

Scan Dir.	Results			Ind. No.	% DAC	Length			Reference Measurement			Sweep Position			Thickness			Notes:
	NI	NRI	RI			L1	Lmax	L2	W1	Wmax	W2	S1	Smax	S2	1" <--	C/L	-- > 1"	
2	●	○	○	N/A														
5	●	○	○	N/A														
7	●	○	○	N/A														
8	●	○	○	N/A														

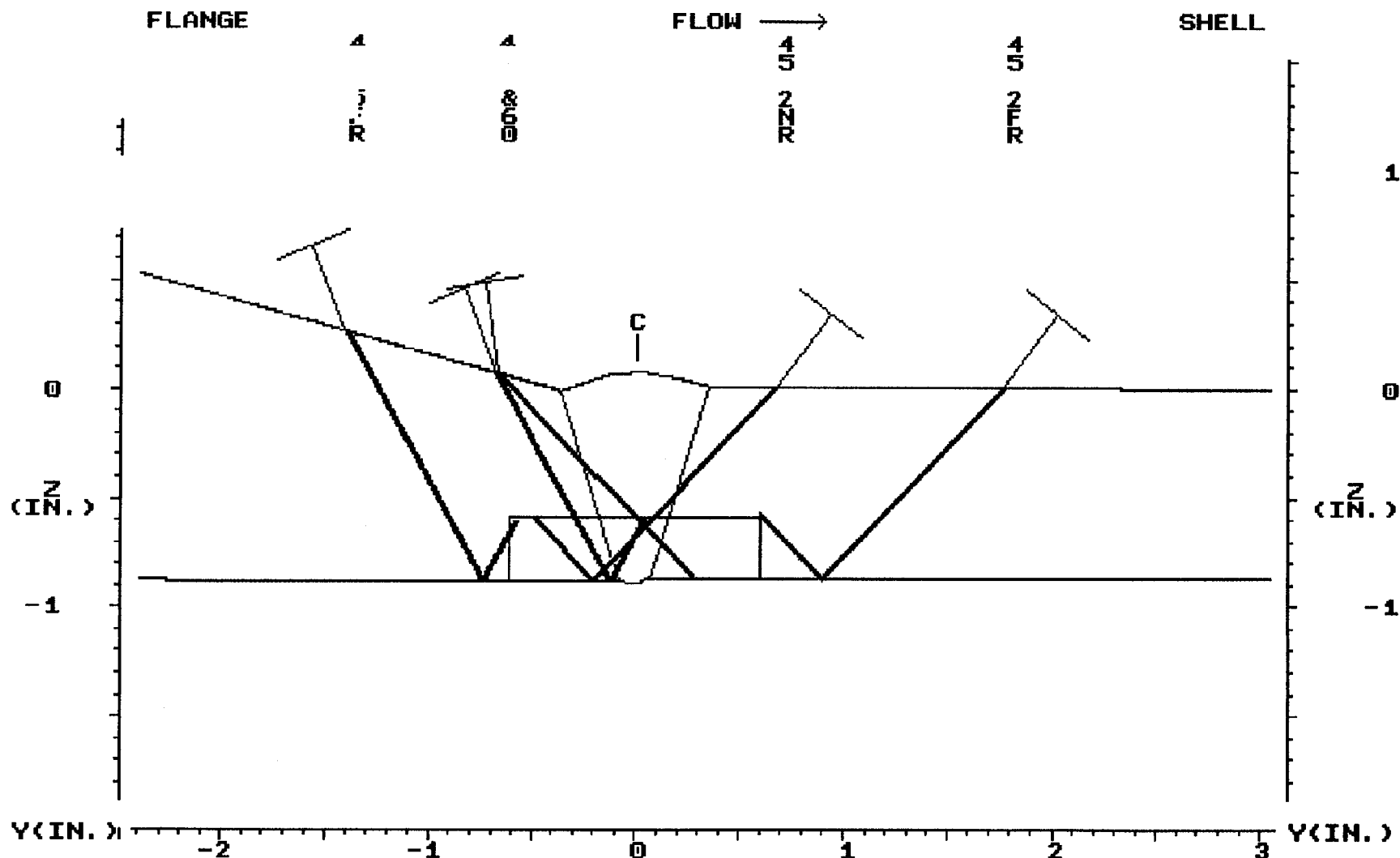
Examination/Limitation Remarks:

INLET AND OUTLET NOZZLES LIMITS SCAN ON 5 SIDE. FLANGE LIMITS 2 SCAN.

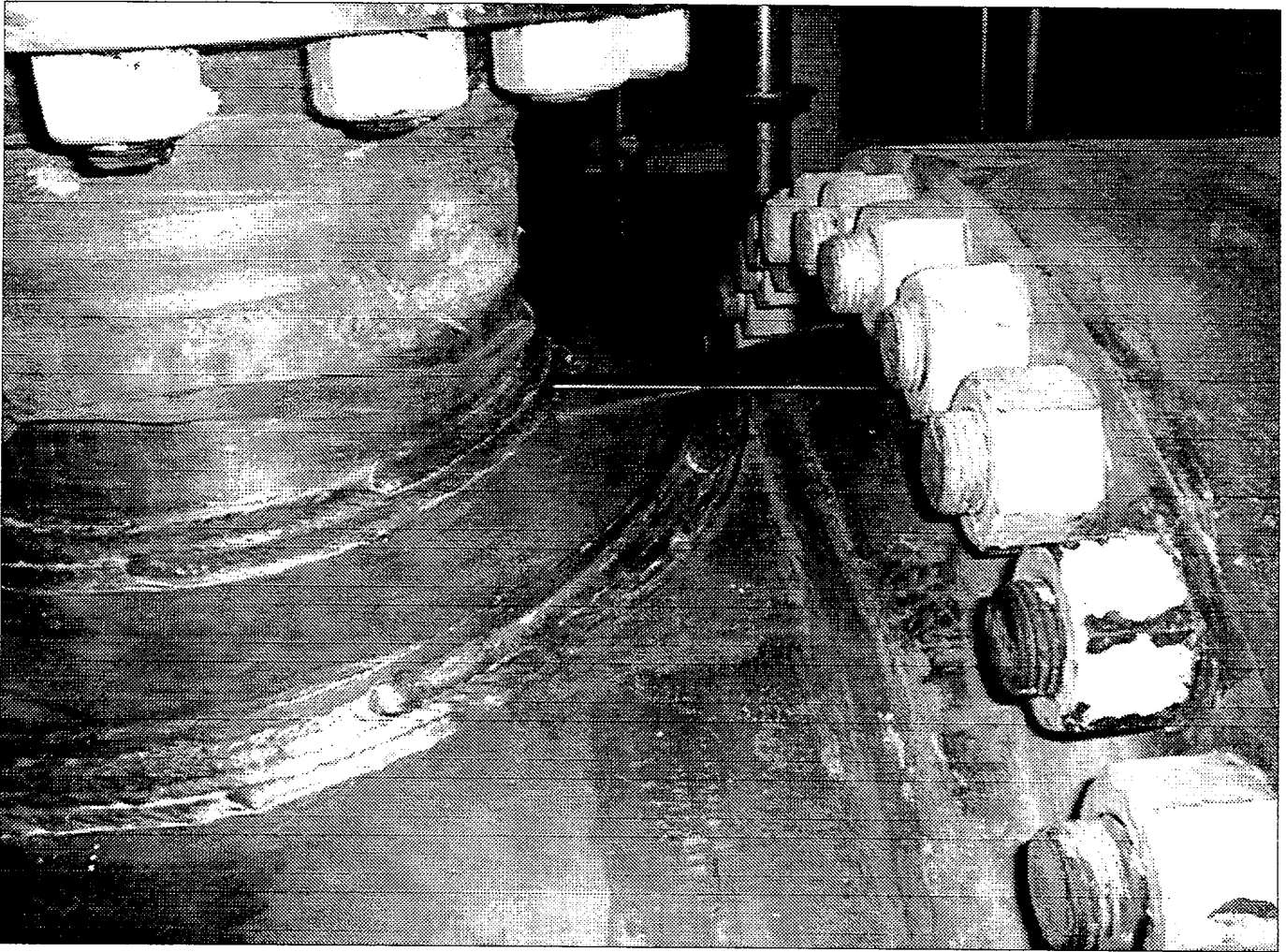
Total Length of Weld	Crown Width	Total Length of Weld Examined			Extent of Perpendicular Scans (W)			Extent of Parallel Scans (L)		
124.8"	.75"	5 (L) NL	2 (L) 104"	7 & 8 (W) NL	5 - from .675 to 1.4	2 - from .675 to NL	From (5) NL to (2) NL			
Primary Examiner	Level	Assistant Examiner			Level	Non-Technical Review			Date	
JOSEPH D. FUNYAK	II	N/A			N/A	lynda Duke			3-16-00	
SNC NDE Level II/III Review	Date	Percentage of Code Coverage			ANII Review			Date		
Wang Carter LIII	3-16-00	92 %			C. Guand 4/3/00			3/17/00		

Figure 1

Revision 7



45-2FR	SET	1R16008.DAT	1R16008A.SCR	860	SET
1.17	DEP		5 2 7 8	0.66	DEP
1.65	MP	45 DEG FOR 83% OF LENGTH-100%	(100/100/100/100)	1.32	MP
34.40	TOF	45/60 DEG FOR 17% OF LENGTH- 50%	(60/ 40/100/100)	19.65	TOF
	ARC	COMPOSITE COVERAGE - 92% DR CORDES L/III <i>Jac</i>			ARC
	GATE				GATE
0.050	STEP			0.050	STEP
EXIT	MAKERAY/UTILITY	LEFT	RIGHT	TOP	PRINT
EXIT	EXIT	EXIT	EXIT	EXIT	EXIT
PLANT: FARLEY 1					
SYSTEM: RHR					
COMPONENT: ALA2-3500-1					
3/16/00 CIRC. POS.: TYP					
11:19 ANALYST: DR CORDES L/III					
CAL. SHEET: 500F1005 & 52					



Name: ala2-3500-14.jpg
Dimensions: 1024 x 768 pixels

ALA2-3500-1

JRC 3-16-00

SHARED

FARLEY NUCLEAR PLANT Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.31
Southern Nuclear Operating Company

Unit	Sketch/Component No.	Date	Sheet No.	Page
1	ALA2-3500-1	3/15/00	S00F1U052	1 of 1
Procedure/Rev./TCN	Couplant/Batch No.	Thermometer SN/Cal Due Date	Linearity Sheet No.	
FNP-0-NDE-100.31 / 7 / N/A	SONOTRACE 40 / 94243	38081 / 8/27/2000	S00F1L002	

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	STAVELEY	Transducer Mfg.	Megasonics	Cal. Blk. No.	ALA-32	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Serial No.	136K-472F	Serial No.	81051	Thickness	.880"								
Ax. dB	43.20	Size	2(.25X.5)	Cal. Temp.	72								
Circ. dB		Frequency/Mode	2.25 / L	Cal. In	1310								
Ref.	66.8	N/A		Cal. Chk.	1445	1/4T	80	3.5	.5				
Scan	74.8	N/A		Cal. Out	1512	3/4T	65	6.5	1.2				
Reject	OFF			Ref. Blk. No.	4976	NOTCH	65	8.0	1.53				
Frequency	2.25			Amplitude/Sweep	95% / 7.0	Calibration Remarks: N/A							
Mode	DUAL												
Damping	500 OHMS												

Comp. Temp.: 77 °F Configuration: RESID HX A FLANGE TO SHELL Wo Location C/L Lo Location TDC

Scan Dir.	Results			Ind. No.	% DAC	Length			Reference Measurement			Sweep Position			Thickness			Notes:
	NI	NRI	RI			L1	Lmax	L2	W1	Wmax	W2	S1	Smax	S2	1" < --	C/L	-- > 1"	
2	●			N/A														

Examination/Limitation Remarks:

EXAMINED AREA WHERE INLET AND OUTLET NOZZLES LIMIT 45° SCAN

Total Length of Weld	Crown Width	Total Length of Weld Examined				Extent of Perpendicular Scans (W)				Extent of Parallel Scans (L)																			
124.8"	.75"	5 (L)	20"	2 (L)	N/A	7 & 8 (W)	N/A	5 - from	.675	to	.875	2 - from	N/A	to	N/A	From (5)	NL	to	(2)	NL									
Primary Examiner	JOSEPH D. FUNYAK					Level	II	Assistant Examiner	N/A					Level	N/A	Non-Technical Review	Lynda Duke												
SNC NDE Level II/III Review	Wang Cordes					Date	3-16-00	Percentage of Code Coverage	SEE S00F1U051					ANII Review	C. Ward														
										Date 3-16-00										Date 3/17/00									

Figure 1

Revision 7

SHARED

Ultrasonic Weld Profile Record				FNP-0-NDE-100.35	
Southern Nuclear Operating Company					
Unit 1	Weld Number ALA2-3500-1	Sheet Number S00F1U055	Date 3/15/00		
ISO/Drawing Number ALA2-3500		Couplant/Batch Number SONOTRACE 40 / 94243		Instrument Manufacturer STAVELEY	
Material Type SS	Calibration Standard/Serial Number SS STEP / 800887	Model Number SONIC 136	Serial Number 136K-472F		
Examiner JOSEPH D. FUNYAK	SNT Level II	Search Unit Manufacturer KBA	Size 4-3-00		
Examiner N/A	SNT Level N/A	Serial Number D11657	Frequency 5.0 MHz		
Weld Examination Record No. N/A		Indication No. N/A			
Component Configuration/Flow RESID HX A FLANGE TO SHELL					
Location LMAX TDC WMAX C/L		Component Temp °F 77		Thermometer S/N PTC 38081	

FLOW

COMPONENT
FLANGE

WELD EDGE

.75

~~.95~~ **90F**

3-16-00

WELD Q

.375" **.375"**

WELD EDGE

.75

3-16-00

COMPONENT
Shell

T. MEASUREMENTS

O.D. PROFILE

-1.5"

.14"

-1.3"

.12"

-1.1"

.95"

.88"

.87"

.87"

.87"

.87"

.87"

.87"

.87"

.87"

T. MEASUREMENT EACH **.25** IN.

REMARKS:

NDE LII/III Review 	Level III	Date 3-16-00	Non-Technical Review 	Date 3-16-00
------------------------	---------------------	------------------------	--------------------------	------------------------

SHARED

FARLEY NUCLEAR PLANT Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.31
Southern Nuclear Operating Company

Unit 1	Sketch/Component No. ALA2-3500-2	Date 3/15/00	Sheet No. S00F1U053	Page 1 of 3
Procedure/Rev./TCN FNP-0-NDE-100.31 / 7 / N/A	Couplant/Batch No. SONOTRACE 40 / 94243	Thermometer SN/Cal Due Date 38081 / 8/27/2000	Linearity Sheet No. S00F1L002	

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration																																																									
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3T	35	6.0	2.45	3T	35		6.0	2.45																																																											
4T	20	8.0	3.25	4T	20	8.0	3.25																																																												
Cal. Refl.	Signal Amp.	Sweep Div.	Wmax																																																																
1T	80	2.0	.87																																																																
2T	45	4.0	1.68																																																																
3T	35	6.0	2.45																																																																
4T	20	8.0	3.25																																																																
Serial No.	136X-472F	Serial No.	031279	Thickness	.880"																																																														
Ax. dB	28.4	Size	.375	Cal. Temp.	72																																																														
Ref.	28.4	Frequency/Mode	2.25 / S	Cal. In	1300																																																														
Scan	38.4	"A" Dimension	.3	Cal. Chk.	1400																																																														
Reject	OFF	Nominal Angle	45	Cal. Out	1510																																																														
Frequency	2.25	Measured Angle	45	Ref. Blk. No.	4976																																																														
Mode	P/E	Cable Type	RG174	Reflector	HOLE																																																														
Damping	500 OHMS	Cable Length	15'	Amplitude/Sweep	20% / 1.7																																																														

Calibration Remarks:
N/A

Comp. Temp.: **77** °F Configuration: **RESID HX A SHELL TO HEAD** Wo Location **C/L** Lo Location **TDC**

Scan Dir.	Results			Ind. No.	% DAC	Length			Reference Measurement			Sweep Position			Thickness			Notes:
	NI	NRI	RI			L1	Lmax	L2	W1	Wmax	W2	S1	Smax	S2	1"<--	C/L	-->1"	
2	●			N/A														
5	●			N/A														
7	●			N/A														
8	●			N/A														

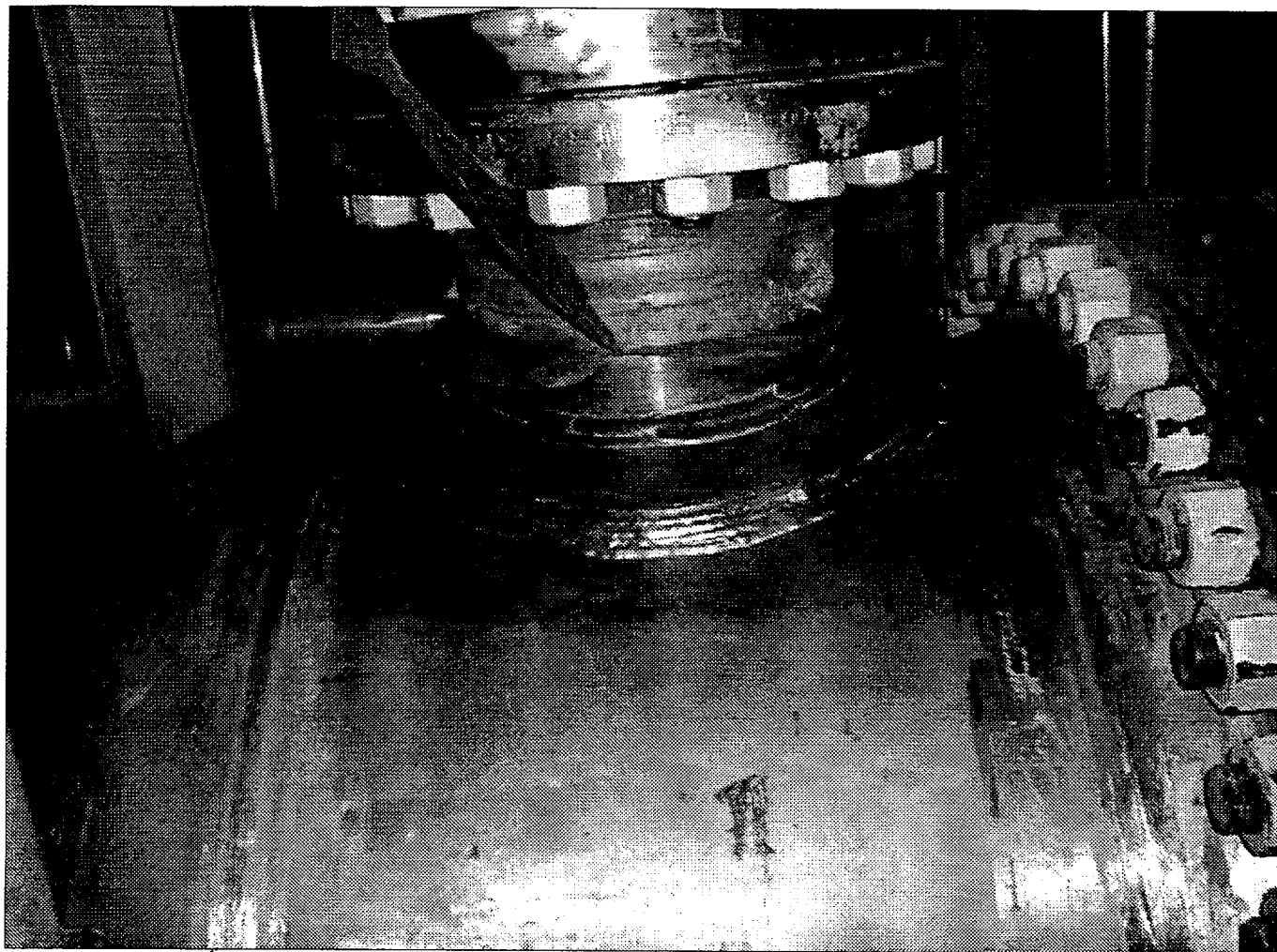
Examination/Limitation Remarks:

INLET AND OUTLET NOZZLES LIMITS SCAN ON 2 SIDE

Total Length of Weld 124.8"	Crown Width .75"	Total Length of Weld Examined 5 (L) 104" 2 (L) NL 7 & 8 (W) NL		Extent of Perpendicular Scans (W) 5 - from .675 to NL 2 - from .675 to NL		Extent of Parallel Scans (L) From (5) NL to (2) NL	
Primary Examiner JOSEPH D. FUNYAK	Level II	Assistant Examiner N/A		Level N/A	Non-Technical Review <i>Lynda Duke</i>		Date 3-16-00
SNC NDE Level II/III Review <i>Dan Cardo L/TU</i>		Date 3-16-00	Percentage of Code Coverage 98 %		ANII Review <i>cgua</i> 6/4/00		Date 3/17/00

Figure 1

Revision 7



Name: ala2-3500-124.jpg
Dimensions: 1024 x 768 pixels

ALA2-3500-2

2AC 3-16-00

SHARED

FARLEY NUCLEAR PLANT Ultrasonic Calibration and Examination Record

FNP-0-NDE-100.31
Southern Nuclear Operating Company

Unit	Sketch/Component No.	Date	Sheet No.	Page
1	ALA2-3500-2	3/15/00	S00F1U054	1 of 1
Procedure/Rev./TCN	Couplant/Batch No.	Thermometer SN/Cal Due Date	Linearity Sheet No.	
FNP-0-NDE-100.31 / 7 / N/A	SONOTRACE 40 / 94243	38081 / 8/27/2000	S00F1L002	

Instrument		Search Unit		Calibration Block		Axial Scan Calibration				Circ. Scan Calibration			
Instrument	STAVELEY	Transducer Mfg.	Megasonics	Cal. Blk. No.	ALA-32	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax	Cal. Refl.	Signal Amp.	Sweep Div.	Wmax
Serial No.	136K-472F	Serial No.	81051	Thickness	.880"	1/4T	80	3.5	.5				
Ax. dB	43.00	Size	2(.25X.5)	Cal. Temp.	72	3/4T	65	6.5	1.2				
Ref.	66.8	Frequency/Mode	2.25 / L	Cal. In	1310	NOTCH	65	8.0	1.53				
Scan	74.8	"A" Dimension	.3	Cal. Chk.	1450	Calibration Remarks: N/A							
Reject	OFF	Nominal Angle	60	Cal. Out	1512								
Frequency	2.25	Measured Angle	60	Ref. Blk. No.	4976								
Mode	DUAL	Cable Type	RG174	Reflector	HOLE								
Damping	500 OHMS	Cable Length	6'	Amplitude/Sweep	95% / 7.0								

Comp. Temp.: 77 °F Configuration: RESID HX A SHELL TO HEAD Wo Location C/L Lo Location TDC

Scan Dir.	Results	Ind. No.	% DAC	Length	Reference Measurement	Sweep Position	Thickness	Notes:
	NI NRI RI			L1 Lmax L2	W1 Wmax W2	S1 Smax S2	1" < -- C/L -- > 1"	
5		N/A						

Examination/Limitation Remarks:

EXAMINED AREA WHERE INLET AND OUTLET NOZZLES LIMIT 45° SCAN

Total Length of Weld	Crown Width	Total Length of Weld Examined	Extent of Perpendicular Scans (W)		Extent of Parallel Scans (L)	
124.8"	.75"	5 (L) N/A 2 (L) 20" 7 & 8 (W) N/A	5 - from N/A to N/A	2 - from .675 to NL	From (5) N/A to (2) N/A	
Primary Examiner	Level	Assistant Examiner	Level	Non-Technical Review	Date	
JOSEPH D. FUNYAK	II	N/A	N/A	Lynda Duke	3-16-00	
SNC NDE Level II/III Review	Date	Percentage of Code Coverage	ANII Review		Date	
Day Conda	3-16-00	SBE 500810053 %	C. Ward		3/12/00	

Figure 1

Revision 7

SHARED

Ultrasonic Weld Profile Record				FNP-0-NDE-100.35	
Southern Nuclear Operating Company					
Unit 1	Weld Number ALA2-3500-2	Sheet Number S00F1U056	Date 3/15/00		
ISO/Drawing Number ALA2-3500		Couplant/Batch Number SONOTRACE 40 / 94243		Instrument Manufacturer STAVELEY	
Material Type SS	Calibration Standard/Serial Number SS STEP / 800887		Model Number SONIC 136	Serial Number 136K-472F	
Examiner JOSEPH D. FUNYAK <i>JD Funyak</i>		SNT Level II	Search Unit Manufacturer KBA	Size 4300 .50	
Examiner N/A		SNT Level N/A	Serial Number D11657	Frequency 5.0 MHz	
Weld Examination Record No. N/A		Indication No. N/A	Component Configuration/Flow RESID HX A SHELL TO HEAD		
Location LMAX TDC WMAX C/L			Component Temp °F 77	Thermometer S/N PTC 38081	

FLOW

<u>T. MEASUREMENTS</u>	.87"	.87"	.87"	.87"	.87"	.87"	1.4"	.87"	.88"	.90"	.91"	.91"	.92"	.92"	.92"	.92"
<u>O.D. PROFILE</u>																

T. MEASUREMENT EACH .25 IN.

REMARKS:

NDE LII/III Review <i>Dan Cord</i>	Level III	Date 3-16-00	Non-Technical Review <i>Lynnda Duke</i>	Date 3-16-00
---------------------------------------	---------------------	------------------------	--	------------------------

Revision 1

SHARED

FNP-0-NDE-100.5

PT-F-Form 001

Farley Nuclear Plant

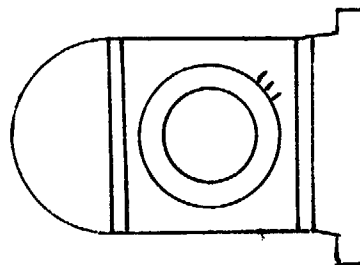
Liquid Penetrant Examination Record

Southern Nuclear Operating Company

Unit 1	Component Number ALA2-3500-3	Procedure/Rev./TCN FNP-0-NDE-100.5 / 6 / N/A	Sheet No. S00F1P006
Thermometer Mfg. / Ser. No. PTC / 38180 Cal. Due Date 8/27/2000 Surface Temp. 77 °F		Penetrant Materials Manufacturer MAGNAFLUX Cleaner/Remover SKC-S Penetrant SKL-SP Developer SKD-S2 Type SKC-S Batch 98A10K 93D12K 96J08K	
Component Configuration RESID HX A IN NOZZ REINF WELD		% of Length Coverage 100 % of Area Coverage 100	Date 3/15/00
Ind. No.	Results	Indication Desc. / Exam Limitations / etc.	Remarks

~~N/A~~
1-3
Jrc
3-17-00

RI
3 LINEAR INDICATIONS SEPARATED BY .4" MINIMUM WITH LENGTHS OF 1/16, 5/32, AND 3/16
N/A



LOOKING UP

Remarks: **SEE IER 1R16005 Jrc**

Primary Examiner CLYDE KIEHL	ASNT Level II	Initials <i>ckh</i>	Assistant Examiner JOHN W. BELL	ASNT Level II	Initials <i>gw B</i>	Non-Technical Review <i>Lynda Duke</i>	Date 3-16-00
SNC NDE Level II/III Review <i>Long Codes LIII</i>		Date 3-17-00	Percentage of Code Coverage 100 %	ANII Review <i>Lynda Duke</i>		Date 3/21/00	

Figure 1

Revision 6

SHARED

FNP-0-NDE-100.5

PT-F-Form 001

Farley Nuclear Plant

Liquid Penetrant Examination Record

Southern Nuclear Operating Company

Unit 1	Component Number ALA2-3500-4	Procedure/Rev./TCN FNP-0-NDE-100.5 / 6 / N/A	Sheet No. S00F1P007	Page 1 of 1
Thermometer Mfg. / Ser. No. PTC / 38180 Cal. Due Date 8/27/2000 Surface Temp. 77 °F		Penetrant Materials Manufacturer MAGNAFLUX Cleaner/Remover SKC-S Penetrant SKL-SP Developer SKD-S2 Type SKC-S Batch 98A10K 93D12K 96J08K		
Component Configuration RESID HX A OUT NOZ REINF WELD		% of Length Coverage 100	Date 3/15/00	
Ind. No. N/A	Results NI	Indication Desc. / Exam Limitations / etc. N/A		Remarks N/A

REFERENCE IER 001 FROM 2-3-1 OUTAGE AND
ABN 95-1-0763 FOR DOCUMENTATION OF
FILLET WELD REMOVAL IN AREA OF INDICATION.

JRC 3-16-00

Remarks:

Primary Examiner CLYDE KIEHL	ASNT Level II	Initials <i>ewk</i>	Assistant Examiner N/A	ASNT Level N/A	Initials 	Non-Technical Review <i>Lynda Duke</i>	Date 3-16-00
SNC NDE Level II/III Review <i>Wang Cordes L/III</i>		Date 3-16-00	Percentage of Code Coverage 100 %	ANII Review <i>egw</i>		Date 3/17/00	

Figure 1

Revision 6

As Built Notice (ABN)
J.M. Farley Nuclear Plant

ABN Number: 95-1-0763

Type of ABN:

☐ Document As-Found Condition

☐ Incorporate DCP

☐ Document Installation of Items Approved by DCP

☐ Document Installation of Items Approved by POD

☐ Non-Design Document Change (Redraw, Editorial Change, Clarification, TMS Change, Etc.)

☐ FSAR Change

☒ Other: (Describe)

TO DOCUMENT THE AS-LEFT CONDITION OF THE
RNR HEAT EXCHANGER "B" - ISL SAGREN A142-3500-4

Affected Documents:

Document

U165770

Revision

3

Description: APPROXIMATELY 3" OF THE FILLET WELD WAS REMOVED PER INDICATION EVALUATION REPORT (ITER) 001 AND WORK ORDER M00530593. THIS IS THE FILLET WELD TO REINFORCEMENT PLATE AND THE VESSEL SNELL. THIS AS-LEFT CONDITION WAS EVALUATED BY WESTINGHOUSE IN THE ATTACHED LETTER PER THE DESIGN REQUIREMENTS OF THE MANUFACTURER, JOSEPH ONT & SONS.

OUTAGE 2-3-1 F95 RE-13

Approvals

Originator: X M. C. [Signature]

Date: 10/12/95

Approving Manager: [Signature]

Date: 10/18/95

PMO Manager (1): [Signature]

Date: 10/18/95

Manager-Nuclear Engineering (2): _____

Date: _____

(1) Not Required for Offsite Originated ABNs. (2) Not Required for Offsite Originated ABNs.

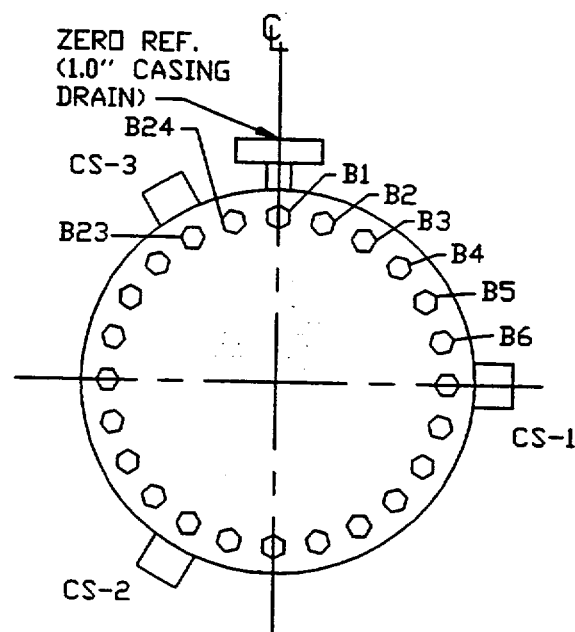
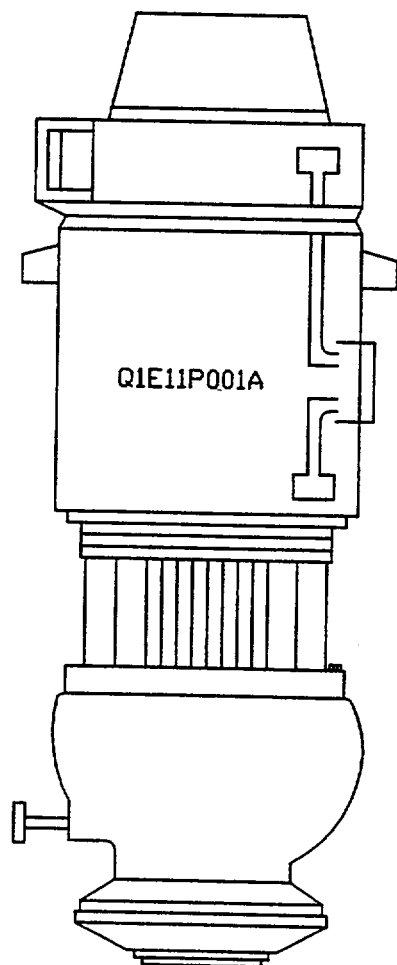
DRAWING ALA2-5130
RESIDUAL HEAT REMOVAL PUMP A

[illegible]

AUXILIARY
EL. 83'-0"
ROOM 129

ALA2-5130

RESIDUAL HEAT REMOVAL PUMP (A)



PRESSURE RETAINING BOLTING: 24 - 1.125" DIAMETER

3 SUPPORTS (FNP-FIG - 037)

1	3-26-98	RAW	JAR	REVISED PER REA 96-1295, REV. 0	LDT	DLG	DEV		
0	6-30-92	SDH	JAR	ISSUED PER PCN S-92-1-8162.	CAB	CCM	FOR	WRH	
REV.	DATE	BY	CHK'D	DESCRIPTION	APPR.1	APPR.2	APPR.3	APPR.4	

Southern Company Services, Inc. for RESIDUAL HEAT REMOVAL PUMP (A)

ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT
UNIT 1

SCS DRAWING NUMBER

SHEET

REV.

A-351192

121

1

CAD ALA25130
AUTOCAD RAV-02

RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Revision 3

RTYPE: L1.09

SOUTHERN NUCLEAR OPERATING COMPANY

Revision 3

FIGURE 2 SUPPORT EXAMINATION RECORD VT-3

FARLEY NUCLEAR PLANT

SOUTHERN NUCLEAR OPERATING COMPANY

Plant/Unit Farley / 1	System/Support No. ALA2-5130-CS-3	WO/WA/STP N/A	Sheet No. S00F1V009
Hanger Type RHR PUMP (A) Q1E11P001A	Type Exam/Technique VT-3 / DIRECT	Procedure/Rev. FNP-0-NDE-100.23 / 3	Exam Date 3/10/00
Examiner / Initial PAUL D'VALERIO Sig. <i>Paul D'Valerio</i>	Level II	Resolution ☒ 1/32" Division Scale ☐ 1/32" Line (Gray Card)	Tools FLASHLIGHT, MIRROR, SCALE
Examiner / Initial N/A Sig.	Level N/A		

EXAMINATION LIST:	Acceptable/ Unacceptable	SKETCH (if applicable)
Deformation or structural degradation of fasteners, springs, clamps, or other support items.	Acceptable	
Missing, detached, or loosened support items.	Acceptable	
Arc strikes, weld spatter, paint scoring, roughness, or general corrosion on close tolerance machined or sliding surfaces.	N/A	
Improper hot or cold positions.	N/A	
Any crack or linear indication.	Acceptable	
Fluid loss or lack of fluid induction (hydraulic snubber only).	N/A	
Other Conditions:	N/A	

Comments: PLANT IN MODE 6 AT EXAM TIME	<i>Darryl Cordes L III 3-11-2000</i>
--	--------------------------------------

ANTI REVIEW: egward 3/15/00