

FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner Omaha Public Power District, 1623 Harney, Omaha, NE 68102
(Name and Address of Owner)
Highway 73775
2. Plant Fort Calhoun Station, P.O. Box 399, Fort Calhoun, NE 68023-4399
(Name and Address of Plant)
3. Plant Unit #1 4. Owner Certificate of Authorization (if required) _____
5. Commercial Service Date 9/26/73 6. National Board Number for Unit 20828
7. Components Inspected

| Component or Appurtenance | Manufacturer and/or Installer | Manufacturer and/or Installer Serial No. | State or Province No. | National Board No. |
|---------------------------|----------------------------------|--|-----------------------|--------------------|
| Reactor Pressure Vessel | CE | 66111 | | 20828 |
| Closure Head | CE | 66211 | | 20828 |
| Pressurizer | CE | 66602 | | 20852 |
| Steam Gen. #1 | CE | 66505 | | 20879 |
| Steam Gen. #2 | CE | 66506 | | 20880 |
| Regenerative HX | Atlas Ind. Mfg. Co., Clifton, NJ | 1022 | | 866 |
| Piping (See Attachment) | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

B604210126 B60411
 PDR ADOCK 05000285
 G PDR

AD47 1/1

Commercial Service Date 9/26/73

FORM NIS-1 (back)

8. Examination Dates 9/28/85 to 1/16/86 9. Inspection Interval from 9/21/83 to 9/20/93
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. (See attached ISI Examination Summary Tables)
11. Abstract of Conditions Noted. (See attached ISI Examination Summary Tables)
12. Abstract of Corrective Measures Recommended and Taken
(See attached "Recordable Indications Explanations & Listing" measures.)

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

Date April 11, 19 86 Signed Omaha Public Power By R. L. Jaworski
District Owner Section Manager -
Technical Services

Certificate of Authorization No. (if applicable) _____ Expiration Date _____

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of NEBR and employed by HAATEPRO STEAM BOILER of HAATEPRO, INC have inspected the components described in this Owners' Data Report during the period 9-28-85 to 1-16-86, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

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

Date APRIL 11, 19 86

Lawrence R. Dejong
Inspector's Signature

Commissions NA # 8597
National Board, State, Province and No.

Part 1

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LIST OF ABBREVIATIONS

ASME - The American Society of Mechanical Engineers
ASNT - The American Society of Non-Destructive Testing
CCW - Component Cooling Water
CL - Charging Line
CNF - Customer Notification Form
CRT - Cathode Ray Tube
CSS - Containment Spray Line
CW - Clockwise
DAC - Distance Amplitude Correction
Deg - Degrees
FSH - Full Screen Height
FW - Feed Water
HAZ - Heat Affected Zone
HPH - High Pressure Header
ISI - Inservice Inspection
LL - Letdown Line
Lo - Zero reference Location
LPH - Low Pressure Header
LPSI - Low Pressure Safety Injection Line
mR - Millirem
MS - Main Steam
MT - Magnetic Partical Examination
NDT - Non-Destructive Testing
OPPD - Omaha Public Power District
PRL - Pressurizer Relief Line
PSL - Pressurizer Surge Line
PSS - Pressurizer Spray System
PT - Liquid Penetrant Examination
QA - Quality Assurance
QC - Quality Control
RC - Reactor Coolant
RL - Refracted Longitudinal
RPV - Reactor Pressure Vessel
SDC - Shutdown Cooling System
SI - Safety Injection System
UT - Ultrasonic Examination
VT - Visual Examination
WHAZ - Weld Heat Affected Zone

Volume I

INTRODUCTION

Section I

An inservice inspection was conducted to provide compliance with ASME Boiler and Pressure Vessel Code Section XI 1980 Edition up to and including the Winter 1980 Addenda at the Omaha Public Power District Fort Calhoun Nuclear Station. Ebasco performed these inservice examinations on selected Class 1 and 2 vessel welds, piping welds, valves, bolting, and component supports in accordance with the procedures provided in this report. Non-Destructive examination (NDE) techniques employed in this inspection were liquid penetrant (PT), magnetic particle (MT), ultrasonic (UT), and visual (VT).

This report contains examination procedures, personnel qualifications, equipment calibration records, material certifications, examination records, and an ISI Examination Summary. This summary contains a complete listing of all examinations conducted and any pertinent information related to that particular examination. The ISI Examination Summary is available in Section I of Volume II.

Records of all examinations performed during this inspection outage are included in Section 2 of Volume II. Provided in this section are calibration records for UT examinations and examination records for all NDE methods. These examination records were developed in compliance with IWA-6000 of ASME Section XI and include the following information:

Identification of component(s) or area(s) examined

Type of NDE performed

Material(s)/Equipment utilized in performance of examination

Calibration parameters for UT examinations

Date examination performed

Identification of Personnel performing examination

Results of examination.

The OPPD ISI Coordinator was informed of any changes to the examination program, examination techniques and/or NDE procedural requirements.

Identification of examination areas was accomplished through use of the Ebasco figure isometrics which are included in the OPPD ISI Program Plan. Permanent component identification responsibility was left to station personnel, field identification was performed by following systems from tagged valves, component supports, or vessel nozzle markings.

Physical restrictions which precluded 100% coverage were identified and documented. A listing of these "partial examinations" are tabulated under the remarks column of the ISI Examination Summary that denotes "partial exam". Information concerning partial examination coverages of the Reactor Pressure Vessel Head to Flange weld are described in Section 3 of Volume II.

Supplemental/Information only examinations were performed at the request of the OPPD ISI Coordinator. A listing of these examinations are contained on pages 18 and 19 of the ISI Examination Summary.

In-process Client Notification of recordable indications discovered during this inspection was achieved through the use of a "Notification of Recordable Indication(s)" checklist. These checklists are not included in this report, however an explanation of how these indications were dispositioned and a listing of the examinations they pertain to are contained in Section 4 of Volume II.

Additional examinations were performed as required by ASME Section XI subsection(s) IWB, IWC, or IWF-2430. These examinations are listed in the ISI Examination Summary by either noting the examination record report number prefix IWB, IWC, IWF; or in the remarks column that denotes "additional exam".

Recordable indications that were categorized under the requirements of ASME Section XI, subsection IWF-2430 apply also to IWF-2420 "Successive Examinations" criteria. Accordingly, these recordable indications must be re-examined in future outages of the next inspection period. A listing of these required successive examinations along with the applicable recordable indication examination records are available in Section 5 of Volume II.

To supplement the system walkdowns conducted during the Spring 1984 in-service inspection, additional walkdowns of specific piping and component areas were performed. These walkdowns generated drawing revisions which reflect up-to-date as-built conditions. All revised drawings will be submitted for inclusion to the Ten Year Program Plan.

Based on the information contained in this report, all examinations performed by Ebasco meet the requirements of ASME Section XI 1980 Edition up to and including the Winter 1980 Addenda.

ISI EXAMINATION SUMMARY

Section 1

All NDE examinations that reveal recordable indications (fifty two) were repaired, removed, and/or evaluated in accordance with the appropriate section of the ASME code, as discussed under Section 4 of Volume 2. The examinations performed during this inspection program covering the second inspection of the second interval, comply with the acceptance standards of Section XI. 1980 edition up to and including the Winter 1980 Addenda.

Site generated NDE Examination Reports, including supporting documentation, ie; NDE personnel, procedures, materials/consumables, and equipment certifications, contained under Volume 1 were reviewed by Ebasco's ISI Site Supervisor, Site Coordinator, OPPD Site Quality Assurance, and by OPPD's Inspection Agency representative "The Hartford Steam Boiler Inspection and Insurance Co.", for compliance with ASME Section XI and Ebasco's Quality Assurance Manual Inservice Inspection.

Volume II

ISI EXAMINATION SUMMARY

Section 1

To provide a concise listing of examinations conducted during the 1985 inservice inspection along with pertinent information regarding these examinations, an examination summary has been compiled. This summary is divided into major components and piping by class, their descriptions are listed under the system identification on the ISI Examination Summary.

EXPLANATION OF EXAMINATION SUMMARY FORMAT

8070/9-84

EBASCO

EBASCO SERVICES INCORPORATED
 ISI EXAMINATION SUMMARY

PAGE ____ OF ____

| PROJECT: | SYSTEM IDENTIFICATION: | | | | | | | | EXAMINATION PERIOD: | | | | |
|----------|-----------------------------------|------------|-----------------------|------------|----|----|----|--------------------|------------------------|---------|-----|-------|---------|
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | M1 | PT | VT | | | RI | NR1 | OTHER | |
| 1 | 2 | 3 | 4 | 5a | 5b | 5c | 5d | 6 | 7 | 8a | 8b | 8c | 9 |
| | | | | | | | | | | | | | |

1. Item No. - Denotes the item number taken from the "Tables" of ASME Section XI.
2. Component/Weld Identification No. - Gives examination area for components and for piping the line size - system abbreviation - line number/examination area is given. A description of the examination area is given below the Component/Weld Identification No. For circumferential piping welds, the connection is shown in order of system flow.
3. Report No. - Assigns a unique identifier to each NDE report.
4. Isometric Drawing No. - The Ebasco figure isometric number in which the examination area is contained.
5. NDE Method - Identifies type of examination performed.

- 5a. An X in this column indicates an ultrasonic examination was performed.
- 5b. An X in this column indicates a magnetic particle examination was performed.
- 5c. An X in this column indicates a liquid penetrant examination was performed.
- 5d. An X in this column indicates a visual examination was performed.
- 6. Procedure Utilized - The Ebasco procedure utilized for each examination.
- 7. Calibration Block Used - The abbreviated number for ultrasonic calibration standards. See the list below for complete block numbers.
- 8. Results - Results of the particular NDE examination.
 - 8a. RI - Recordable Indications
 - 8b. NRI - No Recordable Indications
 - 8c. Other - Geometric, metallurgical or other non-relevant indications.
- 9. Remarks - Comments regarding the examination.

CALIBRATION BLOCK ABBREVIATIONS

| <u>Abbreviation Listed</u> | <u>Complete Number</u> |
|----------------------------|------------------------|
| 2.5-FCL | 10-SS-1.0-2.5-FCL |
| 5-FCL | 11-CSCL-5-FCL |
| 7-FCL | 7-CSCL-7-FCL |
| 8-FCL | 3-CSCL-8-FCL |
| 16-FCL | 16-CS-80-.844-16-FCL |
| 31-FCL | 1R-CSCL-31-FCL |
| 4-S160 | 4-2507/2-S160 |
| 10-S160 | 10-2507-1-S160 |

Abbreviation Listed

Complete Number

8-CS-5

6.125-1.125-8-CS-5

3A/3B

3A/3B

CS-IIW

Carbon Steel IIW Calibration
Standard

| PROJECT: | | SYSTEM IDENTIFICATION: | | | | | | EXAMINATION PERIOD: | | | | | |
|--------------|-----------------------------------|-------------------------|-----------------------|------------|----|----|----|---------------------|------------------------|---------|-----|-------|--|
| FORT CALHOUN | | REACTOR PRESSURE VESSEL | | | | | | FALL 1985 | | | | | |
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | RI | NRI | OTHER | |
| B1.30 | Shell to Flange Weld/A-11 | 01-001 | A-1 | X | | | | FC-UT-9 | 5-FCL | | X | | 0° base, 0° WHAZ 8° partial exam |
| | | 01-001A | A-1 | X | | | | FC-UT-9 | 5-FCL | | X | | |
| B13.10 | Vessel Interior | | A-1 | | | | X | | | | | | inaccessible deferred to "87" outage |
| B1.40 | Closure Head to Flange Weld | 02-001 | A2-sh. 2 | | X | | | FC-MT-1 | N/A | | X | | partial exam 0° base, 0° WHAZ partial exam 29° partial exam acceptable indication 45° partial exam acceptable indication |
| | | 02-002 | A2-sh. 2 | X | | | | FC-UT-4 | 7-FCL | | X | | |
| | | 02-003 | A2-sh. 2 | X | | | | FC-UT-4 | 7-FCL | | X | | |
| | | 02-004 | A2-sh. 2 | X | | | | FC-UT-4 | 7-FCL | | X | | |
| B6.30 | 16 Closure Studs | 04-001 | A2-sh. 2 | | X | | | FC-MT-1 | N/A | | X | | 45, 46, 47 39, 40 38, 41, 42, 43, 44 34, 35, 36, 37 32, 33 45 32 thru 47 |
| | | 04-002 | A2-sh. 2 | | X | | | FC-MT-1 | N/A | | X | | |
| | | 04-003 | A2-sh. 2 | | X | | | FC-MT-1 | N/A | | X | | |
| | | 04-004 | A2-sh. 2 | | X | | | FC-MT-1 | N/A | | X | | |
| | | 04-005 | A2-sh. 2 | | X | | | FC-MT-1 | N/A | | X | | |
| | | 04-006 | A2-sh. 2 | X | | | | FC-UT-6 | 8-CS-5 | | X | | |
| B6.10 | 16 Closure Nuts | 05-001 | A2-sh. 2 | | X | | | FC-MT-1 | N/A | | X | | 45, 46, 47 39, 40 38, 41, 42, 43, 44 34, 35, 36, 37 32, 33 |
| | | 05-002 | A2-sh. 2 | | X | | | FC-MT-1 | N/A | | X | | |
| | | 05-003 | A2-sh. 2 | | X | | | FC-MT-1 | N/A | | X | | |
| | | 05-004 | A2-sh. 2 | | X | | | FC-MT-1 | N/A | | X | | |
| | | 05-005 | A2-sh. 2 | | X | | | FC-MT-1 | N/A | | X | | |
| 6.50 | 16 Closure Washers | 06-001 | A2-sh. 2 | | | | X | FC-VT-1 | N/A | | | X | 45, 46, 47 pitted areas 32 thru 44 pitted areas |
| | | 06-002 | A2-sh. 2 | | | | X | FC-VT-1 | N/A | | | X | |
| B6.40 | 16 Ligament Areas | 07-001 | A2-sh. 2 | X | | | | FC-UT-5 | 5-FCL | | X | | 0° - #3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48 partial exam |

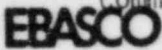


Commercial Service Date
9/26/73

EBASCO SERVICES INCORPORATED

ISI EXAMINATION SUMMARY

| PROJECT: | | SYSTEM IDENTIFICATION: | | | | | | EXAMINATION PERIOD: | | | | | |
|--------------|-----------------------------------|------------------------|-----------------------|------------|----|----|----|---------------------|------------------------|---------|-----|-------|-----------------------|
| FORT CALHOUN | | PRESSURIZER | | | | | | FALL 1985 | | | | | |
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | RI | NRI | OTHER | |
| B3.120 | PRL-1 Inside Radius | 08-001 | A-4 | X | | | | FC-UT-3 | 8-FCL | X | | | 60° partial exam |
| B3.120 | PSL-1 Inside Radius | 09-001 | A-4 | X | | | | FC-UT-3 | 8-FCL | X | | | 60° partial exam |
| B3.120 | PSL-10 Inside Radius | 10-001 | A-4 | X | | | | FC-UT-3 | 8-FCL | X | | | 70° |
| B3.110 | PSL-10 Surge Nozzle to Head | 63-001 | A-4 | X | | | | FC-UT-2 | 8-FCL | X | | | 0° base |
| | | 63-002 | A-4 | X | | | | FC-UT-2 | 8-FCL | X | | | 0° WHAZ, partial exam |
| | | 63-003 | A-4 | X | | | | FC-UT-2 | 8-FCL | X | | | 46° partial exam |
| B7.20 | Manway Bolts | 11-001 | A-4 | | | | X | FC-VT-1 | N/A | X | | | 61° partial exam |
| | | | | | | | | | | | | | examined in place |



ISI EXAMINATION SUMMARY

| PROJECT: | | SYSTEM IDENTIFICATION: | | | | | | EXAMINATION PERIOD: | | | | | |
|--------------|--|------------------------|-----------------------|------------|----|----|----|---------------------|------------------------|---------|-----|-------|---|
| FORT CALHOUN | | STEAM GENERATOR NO. 1 | | | | | | FALL 1985 | | | | | |
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | RI | NRI | OTHER | |
| B2.40 | 1-C-2 Lower Head to Tube Sheet | 12-001 | A-5 | X | | | | FC-UT-2 | 7-FCL | X | | | 0° base partial exam 0° WHAZ exam, |
| | | 12-002 | A-5 | X | | | | FC-UT-2 | 7-FCL | X | | | 45° partial exam |
| | | 12-003 | A-5 | X | | | | FC-UT-2 | 7-FCL | X | | | 60° partial exam |
| B3.130 | 1-N-5 Inlet Nozzle to Head | 12-001 | A-5 | X | | | | FC-UT-2 | 7-FCL | X | | | 0° base partial exam 0° WHAZ exam, |
| | | 12-002 | A-5 | X | | | | FC-UT-2 | 7-FCL | X | | | 45° partial exam |
| | | 12-003 | A-5 | X | | | | FC-UT-2 | 7-FCL | X | | | 60° partial exam |
| B3.140 | 1-N-5 Inside Radius | 14-001 | A-5 | X | | | | FC-UT-3 | 31-FCL | X | | | 70° |
| C1.20 | Head to Upper Shell Circumferential Weld | 15-001 | B-1 | X | | | | FC-UT-2 | 8-FCL | X | | | 0° base, 0° WHAZ partial exam |
| | | 15-002 | B-1 | X | | | | FC-UT-2 | 8-FCL | | X | | 46° partial exam |
| | | 15-003 | B-1 | X | | | | FC-UT-2 | 8-FCL | | X | | 61° partial exam |
| C1.30 | Tubesheet to Lower Shell Circumferential Weld | 16-001 | B-1 | X | | | | FC-UT-2 | 8-FCL | X | | | 0° WHAZ partial exam |
| | | 16-001 | B-1 | X | | | | FC-UT-2 | CS-IIW | X | | | 0° base partial exam |
| | | 16-002 | B-1 | X | | | | FC-UT-2 | 8-FCL | X | | | 46° partial exam acceptable indication |
| | | 16-003 | B-1 | X | | | | FC-UT-2 | 8-FCL | | X | | 61° partial exam |

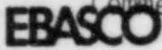


Commercial Service Date
9/26/73

EBASCO SERVICES INCORPORATED

ISI EXAMINATION SUMMARY

| PROJECT: | | SYSTEM IDENTIFICATION: | | | | | | EXAMINATION PERIOD: | | | | | |
|--------------|-----------------------------------|------------------------|-----------------------|------------|----|----|----|---------------------|------------------------|---------|----|-------|---|
| FORT CALHOUN | | STEAM GENERATOR NO. 2 | | | | | | FALL 1985 | | | | | |
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | RI | NR | OTHER | |
| B2.31 | 2-C-1 Dollar Weld | 17-001 | A-6 | X | | | | FC-UT-2 | 7-FCL | X | | | 0° base, 0° WHAZ 45° 60° |
| | | 17-002 | A-6 | X | | | | FC-UT-2 | 7-FCL | X | | | |
| | | 17-003 | A-6 | X | | | | FC-UT-2 | 7-FCL | X | | | |
| B2.40 | 2-C-2 Lower Head to Tubesheet | 17-001 | A-6 | X | | | | FC-UT-2 | 7-FCL | X | | | 0° base partial exam 0° WHAZ exam, 45° partial exam 60° partial exam |
| | | 17-002 | A-6 | X | | | | FC-UT-2 | 7-FCL | X | | | |
| | | 17-003 | A-6 | X | | | | FC-UT-2 | 7-FCL | X | | | |



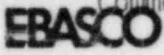
ISI EXAMINATION SUMMARY

| PROJECT: | | SYSTEM IDENTIFICATION: | | | | | | EXAMINATION PERIOD: | | | | | |
|--------------|-----------------------------------|-----------------------------|-----------------------|------------|----|----|----|---------------------|------------------------|---------|-----|-------|--|
| FORT CALHOUN | | REGENERATIVE HEAT EXCHANGER | | | | | | FALL 1985 | | | | | |
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | RI | NRI | OTHER | |
| B3150 | 6 Nozzle Weld | 19-001 | A-7 | X | | | | FC-UT-7 | 2.5-FCL | X | | | 0° base, 0° WHAZ partial exam |
| | | 19-001A | A-7 | X | | | | FC-UT-7 | 2.5-FCL | X | | | 44° partial exam |
| | | 19-001C | A-7 | X | | | | FC-UT-7 | 2.5-FCL | X | | | 44° partial exam |
| B3160 | 6 Inside Radius | 20-001 | A-7 | X | | | | FC-UT-3 | 2.5-FCL | X | | | 70° |
| B3150 | 8 Nozzle Weld | 19-001 | A-7 | X | | | | FC-UT-7 | 2.5-FCL | X | | | 0° base, 0° WHAZ partial exam |
| | | 19-001A | A-7 | X | | | | FC-UT-7 | 2.5-FCL | X | | | 44° partial exam |
| | | 19-001C | A-7 | X | | | | FC-UT-7 | 2.5-FCL | X | | | 44° partial exam |
| B3160 | 8 Inside Radius | | A-7 | X | | | | | | | | | did not exam, due to nozzle/weld configuration |



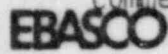
ISI EXAMINATION SUMMARY

| PROJECT: | | SYSTEM IDENTIFICATION: | | | | | | EXAMINATION PERIOD: | | | | | |
|--------------|--|-------------------------------|-----------------------|------------|----|----|----|---------------------|------------------------|---------|-----|-------|---|
| FORT CALHOUN | | MAIN REACTOR COOLANT - LOOP 1 | | | | | | FALL 1985 | | | | | |
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | RI | NRI | OTHER | |
| B9.11 | 24-RC-12/15 Pipe to Elbow | 23-001 | A-8 A-8 A-8 | | | X | | FC-PT-1 | N/A | | X | | did not examine, UT ineffective |
| B5.30 | 24-RC-13/19 S.G. Nozzle to Safe End | 24-001 | A-8 A-8 A-8 | | | X | | FC-PT-1 | N/A | | X | | did not examine, UT ineffective |
| B9.31 | 24-RC-14/26B 12-S1-14 | 25-001 | A-8 A-8 A-8 | | | X | | FC-PT-1 | N/A | | X | | branch connection did not examine, UT ineffective |



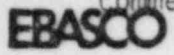
ISI EXAMINATION SUMMARY

| PROJECT: FORT CALHOUN | | SYSTEM IDENTIFICATION: CLASS 1 PIPING | | | | | | EXAMINATION PERIOD: FALL 1985 | | | | | |
|--------------------------|-----------------------------------|--|-----------------------|------------|----|----|-------------|----------------------------------|---------------------------|---------|-------------|-------|--|
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | RI | NRI | OTHER | |
| B7.70 | 2-DL-10/RC-128 Valve | 26-001 | A-10 | | | | X | FC-VT-1 | N/A | | X | | valve bolting examined in place |
| B7.70 | 2-DL-11/RC-124 Valve | 27-001 | A-11 | | | | X | FC-VT-1 | N/A | | X | | valve bolting examined in place |
| B7.70 | 2-DL-13/RC-123 Valve | 28-001 | A-12 | | | | X | FC-VT-1 | N/A | | X | | valve bolting examined in place |
| B5.20 | 10-PSL-10/2 Nozzle to Safe End | 29-001 29-001A 29-001C | A-14 A-14 A-14 | | | | X X X | FC-PT-1 FC-UT-1 FC-UT-1 | N/A 10-S160 10-S160 | | X X X | | 45° 45° |
| B9.11 | 4-PSS-1/5 Pipe to Elbow | 61-001 61-001A 61-001C | A-15 A-15 A-15 | | | | X X X | FC-PT-1 FC-UT-1 FC-UT-1 | N/A 4-S160 4-S160 | | X X X | | augmented exam augmented exam augmented exam |
| B9.11 | 4-PSS-1/6 Elbow to Pipe | 61-001 61-001A 61-001C | A-15 A-15 A-15 | | | | X X X | FC-PT-1 FC-UT-1 FC-UT-1 | N/A 4-S160 4-S160 | | X X X | | augmented exam augmented exam augmented exam |
| B9.11 | 4-PSS-1/7 Pipe to Safe End | 61-001 61-001A 61-001C | A-15 A-15 A-15 | | | | X X X | FC-PT-1 FC-UT-1 FC-UT-1 | N/A 4-S160 4-S160 | | X X X | | augmented exam augmented exam augmented exam |
| B5.20 | 4-PSS-1/8 Safe End to Nozzle | 61-001 61-001A 61-001C | A-15 A-15 A-15 | | | | X X X | FC-PT-1 FC-UT-1 FC-UT-1 | N/A 4-S160 4-S160 | | X X X | | augmented exam augmented exam augmented exam |
| B9.21 | 3-PRL-1/2 Pipe to Elbow | 62-001 | A-19 | | | | X | FC-PT-1 | N/A | | X | | exam not scheduled in '85 plan |
| | 3-PRL-1/3 Pipe to Elbow | 62-001 | A-19 | | | | X | FC-PT-1 | N/A | | X | | exam not scheduled in '85 plan |
| F-3 | 2 1/2-PRL-2/7-PR-1 Pipe Restraint | 30-001 RE-30-001-01 | A-20 A-20 | | | | X X | FC-VT-3 FC-VT-3 | N/A N/A | | X X | | re-exam |
| F-3 | 2 1/2-PRL-3/1-PR-1 Pipe Restraint | IWF-2430-85-004 | A-20 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 2 1/2-PRL-2/1-PR-2 Pipe Restraint | IWF-2430-85-005 | A-20 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 2 1/2-PRL-2/150-PR Pipe Restraint | 30-002 | A-20 | | | | X | FC-VT-3 | N/A | | X | | |
| B9.21 | 2-AS-1/1 Valve to Pipe | 31-001 | A-21 | | | | X | FC-PT-1 | N/A | | X | | augmented exam |
| B9.21 | 2-AS-1/1A Valve to Pipe | 31-001 | A-21 | | | | X | FC-PT-1 | N/A | | X | | augmented exam |
| B9.21 | 2-AS-1/1B Pipe to Elbow | 31-001 | A-21 | | | | X | FC-PT-1 | N/A | | X | | augmented exam |
| B9.21 | 2-AS-1/1C Elbow to Pipe | 31-001 | A-21 | | | | X | FC-PT-1 | N/A | | X | | augmented exam |
| B9.21 | 2-AS-1/1D Pipe to Tee | 31-001 | A-21 | | | | X | FC-PT-1 | N/A | | X | | augmented exam |
| B9.21 | 2-AS-1/1E Pipe to Tee | 31-001 | A-21 | | | | X | FC-PT-1 | N/A | | X | | augmented exam |



ISI EXAMINATION SUMMARY

| PROJECT: FORT CALHOUN | | SYSTEM IDENTIFICATION: CLASS 1 PIPING | | | | | | EXAMINATION PERIOD: FALL 1985 | | | | | |
|--------------------------|------------------------------------|--|-----------------------|------------|----|----|----|----------------------------------|------------------------|---------|-----|-------|---------------------------------------|
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | RI | NR1 | OTHER | |
| B9.21 | 2-AS-1/2 Pipe to Valve | 31-001 | A-21 | | | X | | FC-PT-1 | N/A | | X | | augmented exam |
| B9.21 | 2-AS-1/2A Tee to Pipe | 31-001 | A-21 | | | X | | FC-PT-1 | N/A | | X | | augmented exam |
| B9.21 | 2-AS-1/7 Elbow to Pipe | 31-001 | A-21 | | | X | | FC-PT-1 | N/A | | X | | augmented exam |
| B9.21 | 2-AS-1/8 Pipe to Elbow | 31-001 | A-21 | | | X | | FC-PT-1 | N/A | | X | | augmented exam |
| B9.21 | 2-AS-2/9 Elbow to Pipe | 31-001 | A-21 | | | X | | FC-PT-1 | N/A | | X | | augmented exam |
| B9.21 | 2-AS-1/10 Pipe to Reducer | 31-001 | A-21 | | | X | | FC-PT-1 | N/A | | X | | augmented exam |
| B7.70 | 2-AS-1/HCV-240 Valve | 31-002 | A-21 | | | | X | FC-VT-1 | N/A | | X | | valve bolting examined in place |
| | 2-AS-1/HCV-249 Valve | | A-21 | | | | X | | | | | | no bolting exists |
| | 2-AS-1/CH-205 Valve | | A-21 | | | | X | | | | | | no bolting exists |
| B7.70 | 12-SI-14/SI-220 | 32-001 | A-23 | | | | X | FC-VT-1 | N/A | | X | | valve bolting, ex- amined in place |
| 7.70 | 12-SI-22/SI-207 Valve | 33-001 | A-24 | | | | X | FC-VT-1 | N/A | | X | | valve bolting examined in place |
| B9.32 | 13-SI-22/15A Branch Connection | 33-002 | A-24 | | | X | | FC-PT-1 | N/A | | X | | |
| F-3 | 12-SI-22/17-PR-1 Pipe Restraint | 33-003 | A-24 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 12-SI-22/17-PR Pipe Restraint | 33-004 RE-33- 004-01 | A-24 | | | | X | FC-VT-3 | N/A | X | X | | re-exam |
| F-3 | 12-SI-22/13-PR Pipe Restraint | IWF-2430 -85-007 | A-24 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 12-SI-22/15-PR Pipe Restraint | IWF-2430 -85-022 | A-24 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 6-SI-22/6-PR-3 Pipe Restraint | 34-001 | A-28 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 6-SI-22/6-PR-4 Pipe Restraint | 34-002 | A-28 | | | | X | FC-VT-3 | N/A | | X | | |
| B7.70 | 6-SI-24/SI-197 Valve | 35-001 | A-29 | | | | X | FC-VT-1 | N/A | | X | | valve bolting examined in place |
| B7.70 | 3-HPH-14/FE-313 Flange | 36-001 | A-31 | | | | X | FC-VT-1 | N/A | | X | | flange bolting examined in place |
| F-3 | 2-HPH-2.12/11-PR Pipe Restraint | 37-001 | A-38 | | | | X | FC-VT-3 | N/A | | X | | |
| | 2-HPH-2.14/SI-204 Valve | | A-39 | | | | X | | | | | | no bolting exists |



ISI EXAMINATION SUMMARY

| PROJECT: | | SYSTEM IDENTIFICATION: | | | | | | | EXAMINATION PERIOD: | | | | |
|--------------|--------------------------------------|------------------------|-----------------------|------------|----|----|----|--------------------|------------------------|---------|----|-------|------------------------------------|
| FORT CALHOUN | | CLASS 1 PIPING | | | | | | | FALL 1985 | | | | |
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | RI | NR | OTHER | |
| F-3 | 2-HPH-2.24/13-PR Pipe Restraint | 39-001 | A-41 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 2-HPH-2.24/15-PR Pipe Restraint | 39-002 | A-41 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 2-HPH-2.24/19-PR-1 Pipe Restraint | | A-41 | | | | X | | | | | | does not exist |
| F-3 | 2-HPH-2.24/19-PR-2 Pipe Restraint | 39-004 | A-41 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 2-HPH-2.24/19-PR-3 Pipe Restraint | 39-005 | A-41 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 12-SDC-20/4-PR-1 Pipe Restraint | 40-001 | A-42 | | | | X | FC-VT-3 | N/A | X | | | re-exam |
| | | RE-40-001-01 | | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 12-SDC-20/8-PR-1 Pipe Restraint | IWF-2430 -85-001 | A-42 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 12-SDC-20/8-PR-2 Pipe Restraint | IWF-2430 -85-002 | A-42 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 12-SDC-20/8-PR-3 Pipe Restraint | IWF-2430 -85-003 | A-42 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 12-SDC-20/4-PR-2 Pipe Restraint | 40-002 | A-42 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 12-SDC-20/4-PR-3 Pipe Restraint | 40-003 | A-42 | | | | X | FC-VT-3 | N/A | | X | | |
| B7.70 | 2-CL-12/HCV-238 Valve | 41-001 | A-43 | | | | X | FC-VT-1 | N/A | | X | | valve bolting examined in place |
| F-3 | 2-CL-12/238-PR-2 Pipe Restraint | 41-002 | A-43 | | | | X | FC-VT-3 | N/A | | X | | |
| B7.70 | 2-CL-12/CH-345 Valve | 41-003 | A-43 | | | | X | FC-VT-1 | N/A | | X | | valve bolting examined in place |
| F-3 | 2-CL-12/3-PR Pipe Restraint | 41-004 | A-43 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 2-CL-12/7-PR Pipe Restraint | 41-006 | A-43 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 2-CL-12/11-PR Pipe Restraint | 41-007 | A-43 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 2-CL-12/CH-203 Valve | | A-43 | | | | X | | | | | | no bolting exists |
| F-3 | 2-CL-22/1-PR Pipe Restraint | 42-001 | A-44 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 2-CL-22/7-PR Pipe Restraint | 42-002 | A-44 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 2-LL-1/202-PR-1 Pipe Restraint | 43-001 | A-45 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 2-LL-1/3-PR Pipe Restraint | 43-002 | A-45 | | | | X | FC-VT-3 | N/A | | X | | |



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9/26/73

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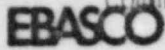
ISI EXAMINATION SUMMARY

| PROJECT: | | SYSTEM IDENTIFICATION: | | | | | | EXAMINATION PERIOD: | | | | | |
|--------------|-----------------------------------|------------------------|-----------------------|------------|----|----|----|---------------------|------------------------|---------|-----|-------|---|
| FORT CALHOUN | | CLASS 1 PIPING | | | | | | FALL 1985 | | | | | |
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | RI | NRI | OTHER | |
| F-3 | 2-LL-1/5-PR Pipe Restraint | 43-003 | A-45 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 2-LL-1/15-PR-1 Pipe Restraint | 43-004 | A-45 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 2-LL-1/15-PR-2 Pipe Restraint | 43-005 | A-45 | | | | X | FC-VT-3 | N/A | | X | | |
| B7.70 | 2-LL-2/CH-260 Valve | 44-001 | A-46 | | | | X | FC-VT-1 | N/A | | X | | valve bolting examined in place |
| B7.70 | 2-LL-2/LCV-101-1 | 44-002 | A-46 | | | | X | FC-VT-1 | N/A | X | | | valve bolting examined in place |
| | | RE-44-002-01 | | | | | X | FC-VT-1 | N/A | | X | | re-exam |
| B7.70 | 2-LL-2/CH-340 Valve | 44-003 | A-46 | | | | X | FC-VT-1 | N/A | | X | | valve bolting examined in place |
| B7.70 | 2-LL-2/LCV-101-2 Valve | 44-004 | A-46 | | | | X | FC-VT-1 | N/A | X | | | valve bolting examined in place |
| | | RE-44-004-01 | | | | | X | FC-VT-1 | N/A | | X | | re-exam |
| B7.70 | 2-LL-21/RC-134 | IWB-2430-85-001 | A-47 | | | | X | FC-VT-1 | N/A | | X | | additional exam valve bolting exam- ined in place |
| B7.70 | 2-LL-21/RC-113 | IWB-2430-85-002 | A-47 | | | | X | FC-VT-1 | N/A | X | | | additional exam valve bolting exam- ined in place |
| | | RE-IWB-2430-85-002-01 | | | | | X | FC-VT-1 | N/A | | X | | re-exam |
| B7.70 | 2-LL-21/TCV-202 | IWB-2430-85-003 | A-47 | | | | X | FC-VT-1 | N/A | | | | additional exam valve bolting exam- ined in place |
| | | RE-IWB-2430-85-003-01 | | | | | X | FC-VT-1 | N/A | | X | | re-exam |



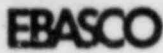
ISI EXAMINATION SUMMARY

| PROJECT: | | SYSTEM IDENTIFICATION: | | | | | | EXAMINATION PERIOD: | | | | | |
|--------------|--|--|-----------------------|------------|----|----|----|---------------------|------------------------|---------|-----|-------|-------------------------------------|
| FORT CALHOUN | | CLASS 2 PIPING | | | | | | FALL 1985 | | | | | |
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | RI | NRI | OTHER | |
| F-3 | 28-MS-2001/7-PR Pipe Restraint | 45-001 RE-45-001-01 | B-3 | | | | X | FC-VT-3 FC-VT-3 | N/A N/A | X | X | | re-exam |
| F-3 | 28-MS-2001/8-PR-1 Top Pipe Restraint | 45-002 RE-45-002-01 | B-3 | | | | X | FC-VT-3 FC-VT-3 | N/A N/A | X | X | | re-exam |
| F-3 | 28-MS-2001/8-PR-1 Bottom Pipe Restraint | 45-002 RE-45-002-01 | B-3 | | | | X | FC-VT-3 FC-VT-3 | N/A N/A | X | X | | re-exam |
| F-3 | 28-MS-2001/6-PR-2 Pipe Restraint | IWF-2430 -85-016 | B-3 | | | | X | FC-VT-3 | N/A | X | | | additional exam |
| F-3 | 28-MS-2001/10-PR-1 Pipe Restraint | IWF-2430 -85-026 RE-IWF-2430-85-026-01 | B-3 | | | | X | FC-VT-3 FC-VT-3 | N/A N/A | X | X | | additional exam re-exam |
| F-3 | 28-MS-2001/10-PR-2 Pipe Restraint | IWF-2430 -85-027 RE-IWF-2340-85-027-01 | B-3 | | | | X | FC-VT-3 FC-VT-3 | N/A N/A | X | X | | additional exam re-exam |
| F-3 | 28-MS-2001/6-PR-1 Pipe Restraint | IWF-2430 85-028 RE-IWF-2430-85-028-01 | B-3 | | | | X | FC-VT-3 FC-VT-3 | N/A N/A | X | X | | additional exam re-exam |
| F-3 | 28-MS-2001/4-PR Pipe Restraint | IWF-2430 85-037 RE-IWF-2430-85-037-01 | B-3 | | | | X | FC-VT-3 FC-VT-3 | N/A N/A | X | X | | additional exam re-exam |
| C3.4C | 28-MS-2001/11-SW Seal Weld | 45-003 RE-45-003-01 | B-3 | | X | | | FC-MT-1 FC-MT-1 | N/A N/A | X | X | | re-exam |
| C3.4C | 28-MS-2001/11-PL-1 Pipe Lug | 45-004 45-005 | B-3 B-3 | | X | | | FC-MT-1 FC-MT-1 | N/A N/A | X | X | | before welding after welding |
| C3.4C | 28-MS-2001/11-PL-2 Pipe Lug | 45-004 45-005 | B-3 B-3 | | X | | | FC-MT-1 FC-MT-1 | N/A N/A | X | X | | before welding after welding |
| C3.4C | 28-MS-2001/11-PL-3 Pipe Lug | 45-004 45-005 | B-3 B-3 | | X | | | FC-MT-1 FC-MT-1 | N/A N/A | X | X | | before welding after welding |
| C3.4C | 28-MS-2001/11-PL-4 Pipe Lug | 45-004 45-005 | B-3 B-3 | | X | | | FC-MT-1 FC-MT-1 | N/A N/A | X | X | | before welding after welding |
| C5.11 | 6-MS-2003/1 Sweepolet to Pipe | | B-4 | | X | | | | | | | | inaccessible due to pipe cable wrap |
| C5.31 | 28-MS-2001/15-BC-1 Branch Connection | | B-4 | | X | | | | | | | | inaccessible due to pipe cable wrap |



EXAMINATION SUMMARY

| PROJECT | | SYSTEM IDENTIFICATION | | | | | | EXAMINATION PERIOD | | | | | |
|--------------|---------------------------------------|--|-----------------------|-------------|----|----|----|--------------------|------------------------|---------|---|-------|-----------------|
| FORT CALHOUN | | CLASS 2 PIPING | | | | | | FALL 1985 | | | | | |
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | WELD METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | R | A | OTHER | |
| F-3 | 28-MS-2001/12-PR-1 Pipe Restraint | IWF-2430 -85-038 | B-4 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 28-MS-2001/12-PR-2 Pipe Restraint | IWF-2430 -85-039 | B-4 | | | | X | FC-VT-3 | N/A | | | | additional exam |
| F-3 | 28-MS-2001/12-PR-3 Pipe Restraint | IWF-2430 -85-040 RE-IWF- 2430-85- 040-01 | B-4 | | | | X | FC-VT-3 | N/A | X | | | additional exam |
| F-3 | 28-MS-2001/15-PR-3 Pipe Restraint | IWF-2430 -85-041 | B-4 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 28-MS-2001/15-PR-4 Pipe Restraint | IWF-2430 -85-042 | B-4 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 28-MS-2001/15-PR-5 Pipe Restraint | IWF-2430 -85-043 | B-4 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 28-MS-2002/6-PR-1 Pipe Restraint | IWF-2430 -85-029 RE-IWF- 2430-85- 029-01 | B-5 | | | | X | FC-VT-3 | N/A | X | | | additional exam |
| F-3 | 28-MS-2002/6-PR-2 Pipe Restraint | IWF-2430 -85-030 RE-IWF- 2430-85- 030-01 | B-5 | | | | X | FC-VT-3 | N/A | X | | | re-exam |
| F-3 | 28-MS-2002/4-PR Pipe Restraint | IWF-2430 -85-031 RE-IWF- 2430-85- 031-01 | B-5 | | | | X | FC-VT-3 | N/A | X | | | additional exam |
| F-3 | 28-MS-2002/4-PR Pipe Restraint | IWF-2430 -85-031 RE-IWF- 2430-85- 031-01 | B-5 | | | | X | FC-VT-3 | N/A | | X | | re-exam |
| F-3 | 28-MS-2002/7-PR Pipe Restraint | IWF-2430 -85-032 RE-IWF- 2430-85- 032-01 | B-5 | | | | X | FC-VT-3 | N/A | X | | | additional exam |
| F-3 | 28-MS-2002/7-PR Pipe Restraint | IWF-2430 -85-032 RE-IWF- 2430-85- 032-01 | B-5 | | | | X | FC-VT-3 | N/A | | X | | re-exam |
| F-3 | 28-MS-2002/10-PR-1 Pipe Restraint | IWF-2430 -85-033 RE-IWF- 2430-85- 033-01 | B-5 | | | | X | FC-VT-3 | N/A | X | | | additional exam |
| F-3 | 28-MS-2002/10-PR-1 Pipe Restraint | IWF-2430 -85-033 RE-IWF- 2430-85- 033-01 | B-5 | | | | X | FC-VT-3 | N/A | | X | | re-exam |
| F-3 | 28-MS-2002/8-PR-1 Pipe Restraint | IWF-2430 -85-034 | B-5 | | | | X | FC-VT-3 | N/A | | X | | additional Exam |
| F-3 | 28-MS-2002/8-PR-2 Pipe Restraint | IWF-2430 -85-035 | B-5 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 28-MS-2002/10-PR-2 Pipe Restraint | IWF-2430 -85-036 | B-5 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 28-MS-2002/15-PR-3 Pipe Restraint | IWF-2430 -85-044 | B-6 | | | | X | FC-VT-3 | N/A | X | | | additional exam |
| F-3 | 28-MS-2002/15-PR-3A Pipe Restraint | IWF-2430 -85-045 | B-6 | | | | X | FC-VT-3 | N/A | X | | | additional exam |



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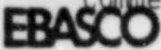
EBASCO SERVICES INCORPORATED
ISI EXAMINATION SUMMARY

| PROJECT: | | SYSTEM IDENTIFICATION: | | | | | | EXAMINATION PERIOD: | | | | | |
|--------------|---------------------------------------|--|-----------------------|------------|----|----|----|---------------------|------------------------|---------|--------|-------|--|
| FORT CALHOUN | | CLASS 2 PIPING | | | | | | FALL 1985 | | | | | |
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | RI | NRI | OTHER | |
| F-3 | 28-MS-2002/15-PR-3B Pipe Restraint | IWF-2430 -85-046 | B-6 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 28-MS-2002/12-PR-1 Pipe Restraint | IWF-2430 -85-047 | B-6 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 28-MS-2002/12-PR-1A Pipe Restraint | IWF-2430 -85-048 | B-6 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 28-MS-2002/12-PR-1B Pipe Restraint | IWF-2430 -85-049 | B-6 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| C3.40 | 16-FW-2001/2-PL-1 Pipe Lug | 47-001 | B-7 | | X | | | FC-MT-1 | N/A | | X | | |
| C3.40 | 16-FW-2001/2-PL-2 Pipe Lug | 47-001 | B-7 | | X | | | FC-MT-1 | N/A | | X | | |
| C3.40 | 16-FW-2001/2-PL-3 Pipe Lug | 47-001 | B-7 | | X | | | FC-MT-1 | N/A | | X | | |
| C3.40 | 16-FW-2001/2-PL-4 Pipe Lug | 47-001 | B-7 | | X | | | FC-MT-1 | N/A | | X | | |
| C5.21 | 16-FW-2001/11 Elbow to Nozzle | 47-002A 47-002C | B-7 | X | | | | FC-UT-1 FC-UT-1 | 16-FCL 16-FCL | | X X | | augmented |
| C5.21 | 16-FW-2001/8 Pipe to Elbow | IWC-2430 -85-001 RE-IWC- 2430-85- 001-01 | B-7 | | X | | | FC-MT-1 FC-MT-1 | N/A N/A | | X X | | additional exam re-exam |
| C5.21 | 16-FW-2001/9 Elbow to Pipe | IWC-2430 -85-001 RE-IWC- 2430-85- 001-01 | B-7 | | X | | | FC-MT-1 FC-MT-1 | N/A N/A | | X X | | additional exam re-exam |
| C5.21 | 16-FW-2001/10 Pipe to Elbow | IWC-2430 -85-001 RE-IWC- 2430-85- 001-01 | B-7 | | X | | | FC-MT-1 FC-MT-1 | N/A N/A | | X X | | additional exam re-exam |
| C5.21 | 16-FW-2001/11 Elbow to Nozzle | IWC-2430 -85-001 | B-7 | | X | | | FC-MT-1 | N/A | | X | | augmented |
| C5.21 | 16-FW-2001/3 Pipe to Pipe | IWC-2430 -85-006 RE-IWC- 2430-85- 006-01 | B-7 | | X | | | FC-MT-1 FC-MT-1 | N/A N/A | | X X | | additional exam re-exam |
| C5.21 | 16-FW-2001/6 Valve to Pipe | IWC-2430 -85-006 RE-IWC- 2430-85- 006-01 | B-7 | | X | | | FC-MT-1 FC-MT-1 | N/A N/A | | X X | | additional exam re-exam |
| C5.21 | 16-FW-2001/7 Pipe to Pipe | IWC-2430 -85-008 RE-IWC- 2430-85- 008-01 | B-7 | | X | | | FC-MT-1 FC-MT-1 | N/A N/A | | X X | | additional exam; partial exam re-exam; partial exam |



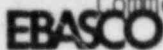
ISI EXAMINATION SUMMARY

| PROJECT: | | SYSTEM IDENTIFICATION: | | | | | | EXAMINATION PERIOD: | | | | | |
|--------------|------------------------------------|---|-----------------------|------------|----|----|----|--|--|---------|----------------------------|-------|---|
| FORT CALHOUN | | CLASS 2 PIPING | | | | | | FALL 1985 | | | | | |
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | RI | NRI | OTHER | |
| C5.21 | 16-FW-2001/4 Pipe to Elbow | IWC-2430 -85-009 | B-7 | | X | | | FC-MT-1 | N/A | | X | | additional exam |
| C5.21 | 16-FW-2001/5 Elbow to Valve | IWC-2430 -85-009 | B-7 | | X | | | FC-MT-1 | N/A | | X | | additional exam |
| F-3 | 16-FW-2002/11-PR Pipe Restraint | 48-001 | B-8 | | | | X | FC-VT-3 | N/A | | X | | |
| C5.21 | 16-FW-2002/12 Pipe to Elbow | 48-002 48-002 OAI RE-48- 002-01 RE-48- 002-03 48-002A 48-002C | B-8 | | X | | | FC-MT-1 FC-MT-1 FC-MT-1 FC-MT-1 FC-UT-1 FC-UT-1 | N/A N/A N/A N/A 16-FCL 16-FCL | | X X X X X X | | re-exam re-exam |
| C5.21 | 16-FW-2002/13 Elbow to Pipe | 48-002 RE-48- 002-02 48-002A 48-002C | B-8 | | X | | | FC-MT-1 FC-MT-1 FC-UT-1 FC-UT-1 | | | X X X X | | re-exam |
| C5.21 | 16-FW-2002/14 Pipe to Elbow | 48-002 RE-48- 002-02 48-002A 48-002C | B-8 | | X | | | FC-MT-1 FC-MT-1 FC-UT-1 FC-UT-1 | | | X X X X | | re-exam |
| C5.21 | 16-FW-2002/15 Elbow to Nozzle | 48-002 RE-48- 002-02 48-002A 48-002C | B-8 | | X | | | FC-MT-1 FC-MT-1 FC-UT-1 FC-UT-1 | | | X X X X | | augmented exam; partial exam augmented exam; partial exam augmented exam; partial exam |
| C5.21 | 16-FW-2002/5 Pipe to Pipe | IWC-2430 -85-004 RE-IWC- 2430-85- 004 | B-8 | | X | | | FC-MT-1 FC-MT-1 | N/A N/A | | X X | | additional exam re-exam |
| C5.21 | 16-FW-2002/6 Pipe to Pipe | IWC-2430 -85-004 | B-8 | | X | | | FC-MT-1 | N/A | | X | | additional exam |
| C5.21 | 16-FW-2002/7 Pipe to Pipe | IWC-2430 -85-004 RE-IWC- 2430-85- 004-01 | B-8 | | X | | | FC-MT-1 FC-MT-1 | N/A N/A | | X X | | additional exam re-exam |
| C5.21 | 16-FW-2002/8 Pipe to Elbow | IWC-2430 -85-005 | B-8 | | X | | | FC-MT-1 | N/A | | X | | additional exam |
| C5.21 | 16-FW-2002/9 Elbow to Valve | IWC-2430 -85-005 | B-8 | | X | | | FC-MT-1 | N/A | | X | | additional exam |



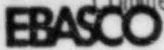
ISI EXAMINATION SUMMARY

| PROJECT: | | SYSTEM IDENTIFICATION: | | | | | | EXAMINATION PERIOD: | | | | | |
|--------------|---|--|-----------------------|--|----|----|----|---------------------|------------------------|---------|---------|-------|------------------|
| FORT CALHOUN | | CLASS 2 PIPING | | | | | | FALL 1985 | | | | | |
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | RI | NRI | OTHER | |
| C5.21 | 16-FW-2002/10 Valve to Pipe | IWC-2430 | B-8 | | X | | | FC-MT-1 | N/A | X | | | additional exam |
| | | -85-005 RE-IWC- 2430-85- 005-01 | | | | | | | FC-MT-1 | N/A | | X | |
| C5.21 | 16-FW-2002/11 Pipe to Pipe | IWC-2430 | B-8 | | X | | | FC-MT-1 | N/A | X | | | additional exam; |
| | | -85-007 RE-IWC- 2430-85- 007-01 | | | | | | | FC-MT-1 | N/A | | X | |
| F-3 | 12-LPH-2001/3-PR Pipe Restraint 12-LPH-2001/10-PR Pipe Restraint | 49-001 | B-16 | | | | | X | FC-VT-3 | N/A | | X | |
| | | | B-16 | | | | | | X | | | | |
| F-3 | 12-LPSI-2003/28-PR Pipe Restraint | 50-001 | B-18 | | | | | X | FC-VT-3 | N/A | X | | |
| | | | | | | | | | | X | FC-VT-3 | N/A | |
| F-3 | 12-LPSI-2003/31-PR-2 Pipe Restraint | 50-002 | B-18 | | | | | X | FC-VT-3 | N/A | | X | |
| F-3 | 12-LPSI-2003/34-PR Pipe Restraint | 50-003 | B-18 | | | | | X | FC-VT-3 | N/A | X | | |
| | | | | | | | | | | X | FC-VT-3 | N/A | |
| F-3 | 12-LPSI-2003/23-PR-3 | IWF-2430 | B-18 | | | | | X | FC-VT-3 | N/A | X | | additional exam |
| | | | | -85-006 RE-IWF- 2430-85- 006-01 | | | | | | X | FC-VT-3 | N/A | |
| F-3 | 12-LPSI-2003/23-PR-1 Pipe Restraint | IWF-2430 | B-18 | | | | | X | FC-VT-3 | N/A | | X | additional exam |
| F-3 | 12-LPSI-2003/23-PR-2 Pipe Restraint | IWF-2430 | B-18 | | | | | X | FC-VT-3 | N/A | | X | additional exam |
| F-3 | 12-LPSI-2003/14-PR-1 Pipe Restraint | IWF-2430 | B-18 | | | | | X | FC-VT-3 | N/A | | X | additional exam |
| F-3 | 12-LPSI-2003/14-PR-2 Pipe Restraint | IWF-2430 | B-18 | | | | | X | FC-VT-3 | N/A | | X | additional exam |
| F-3 | 12-LPSI-2003/17-PR-4 Pipe Restraint | IWF-2430 | B-18 | | | | | X | FC-VT-3 | N/A | | X | additional exam |
| F-3 | 12-LPSI-2003/21-PR-1 Pipe Restraint | IWF-2430 | B-18 | | | | | X | FC-VT-3 | N/A | | X | additional exam |
| F-3 | 12-LPSI-2003/21-PR-2 Pipe Restraint | IWF-2430 | B-18 | | | | | X | FC-VT-3 | N/A | | X | additional exam |
| F-3 | 12-LPSI-2003/23-PR-A1 Pipe Restraint | IWF-2430 | B-18 | | | | | X | FC-VT-3 | N/A | | X | additional exam |
| F-3 | 12-LPSI-2003/2-PR-1 Pipe Restraint | IWF-2430 | B-18 | | | | | X | FC-VT-3 | N/A | | X | additional exam |
| F-3 | 12-LPSI-2003/2-PR-2 Pipe Restraint | IWF-2430 | B-18 | | | | | X | FC-VT-3 | N/A | | X | additional exam |
| F-3 | 12-LPSI-2003/SIH-268 Pipe Restraint | IWF-2430 | B-18 | | | | | X | FC-VT-3 | N/A | | X | additional exam |



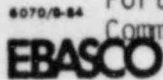
ISI EXAMINATION SUMMARY

| PROJECT: | | SYSTEM IDENTIFICATION: | | | | | | EXAMINATION PERIOD: | | | | | |
|--------------|---|----------------------------|-----------------------|------------|----|----|----|---------------------|------------------------|---------|--------|-------|---|
| FORT CALHOUN | | CLASS 2 PIPING | | | | | | FALL 1985 | | | | | |
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | RI | NR | OTHER | |
| F-3 | 12-LPSI-2003/17-PR-2 Pipe Restraint | IWF-2430 -85-020 | B-18 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 12-LPSI-2003/17-PR-3 Pipe Restraint | IWF-2430 -85-021 | B-18 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 12-LPSI-2003/15-PR-1 Pipe Restraint | IWF-2430 -85-023 | B-18 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 12-LPSI-2003/15-PR-2 Pipe Restraint | IWF-2430 -85-024 | B-18 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| F-3 | 12-LPSI-2003/17-PR-1 Pipe Restraint | IWF-2430 -85-025 | B-18 | | | | X | FC-VT-3 | N/A | | X | | additional exam |
| C5.31 | 12-CSS-2001/1-BC-1 Branch Connection | 51-001 | B-19 | | | X | | FC-PT-1 | N/A | | X | | |
| F-3 | 12-CSS-2002/5-PS Pipe Support | 52-001 | B-20 | | | | X | FC-VT-3 | N/A | | | | removed per OPPD scheduled maintenance MO#854224 |
| F-3 | 10-LPH-2001/39-PS Pipe Support | 53-001 | B-23 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 10-LPH-2001/39-PR Pipe Restraint | 53-002 | B-23 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 20-SI-2001/5-PR Pipe Restraint | 54-001 | B-36 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 24-SI-2002/1A-PR Pipe Restraint | 55-001 | B-37 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 6-HPSI-2001/10-PS Pipe Support | 56-001 | B-41 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 6-AC-2002/16-PR Pipe Restraint | 57-001 | B-49 | | | | X | FC-VT-3 | N/A | | | | removed per OPPD scheduled maintenance MO#854223 |
| F-3 | 10-AC-2001/14-PR Pipe Restraint | 58-001 | B-50 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 10-AC-2001/23-PR Pipe Restraint | 58-002 | B-50 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 10-AC-2001/32-PR Pipe Restraint | 58-003 | B-50 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 8-AC-2001/2-PR Pipe Restraint | 59-001 | B-52 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 8-AC-2001/27-PR-1 Pipe Restraint | 59-002 | B-52 | | | | X | FC-VT-3 | N/A | | X | | |
| F-3 | 8-AC-2001/27-PR-2 Pipe Restraint | 59-003 | B-52 | | | | X | FC-VT-3 | N/A | | X | | |
| C5.11 | 3-AC-2001/3A Elbow to Reducer | 59-004 | B-52 | | | X | | FC-PT-1 | N/A | | X | | |
| C5.11 | 6-AC-2007/1 Reducer to Pipe | 59-005 RE-59- 005-01 | B-52 | | | X | X | FC-PT-1 FC-PT-1 | N/A N/A | | X X | | re-exam |



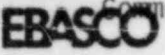
ISI EXAMINATION SUMMARY

| PROJECT: | | SYSTEM IDENTIFICATION: | | | | | | EXAMINATION PERIOD: | | | | | |
|--------------|-----------------------------------|------------------------|-----------------------|------------|----|----|----|---------------------|------------------------|---------|-----|-------|-----------------|
| FORT CALHOUN | | CLASS 2 PIPING | | | | | | FALL 1985 | | | | | |
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | RI | NRI | OTHER | |
| C5.11 | 8-AC-2001/33 Pipe to Elbow | IWC-2430 -85-002 | B-52 | | | X | | FC-PT-1 | N/A | | X | | additional exam |
| C5.11 | 8-AC-2001/31 Pipe to Elbow | IWC-2430 -85-002 | B-52 | | | X | | FC-PT-1 | N/A | | X | | additional exam |
| C5.11 | 8-AC-2001/29 Pipe to Elbow | IWC-2430 -85-003 | B-52 | | | X | | FC-PT-1 | N/A | | X | | additional exam |
| C5.11 | 6-AC-2011/45 Tee to Elbow | 60-001 | B-56 | | | X | | FC-PT-1 | N/A | | X | | |



ISI EXAMINATION SUMMARY

| PROJECT: | | SYSTEM IDENTIFICATION: | | | | | | EXAMINATION PERIOD: | | | | | |
|--------------|--|--|-----------------------|------------|--------|----|----|---------------------|------------------------|---------|--------|-------|---|
| FORT CALHOUN | | SUPPLEMENTARY EXAMS (INFORMATION ONLY) | | | | | | FALL 1985 | | | | | |
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | RI | NRI | OTHER | |
| N/A | Feedwater Heater/3A | INFO-001 | N/A | X | | | | N/A | 3A/3B | X | | | |
| N/A | Feedwater Heater/3B | INFO-001 | N/A | X | | | | N/A | 3A/3B | | X | | |
| N/A | Feedwater Heater/3A | INFO-002 | N/A | X | | | | N/A | 3A/3B | | X | | repaired area |
| C5.11 | 6-AC-2007/1 Reducer to Pipe | INFO-003 | B-52 | X | | | | N/A | | N/A | N/A | N/A | dimension and thickness of ground areas |
| N/A | Safety Injection Recirculation System/1 | INFO-004 | N/A | | | | X | FC-VT-1 | N/A | | X | | |
| N/A | Safety Injection Recirculation System/2 | INFO-004 | N/A | | | | X | FC-VT-1 | N/A | | X | | |
| N/A | Safety Injection Recirculation System/Weld Between HCV-383-4 and Containment Penetration | INFO-005 | B-36 | | | | X | FC-VT-1 | N/A | | X | | |
| C5.21 | 16-FW-2001/8 Pipe to Elbow | INFO-006 | B-7 | X | | | | N/A | N/A | N/A | N/A | N/A | dimension and thickness of ground areas |
| C5.21 | 16-FW-2001/9 Elbow to Pipe | INFO-007 | B-7 | X | | | | N/A | N/A | N/A | N/A | N/A | dimension and thickness of ground areas |
| C5.21 | 16-FW-2001/10 Pipe to Elbow | INFO-008 | B-7 | X | | | | N/A | N/A | N/A | N/A | N/A | dimension and thickness of ground areas |
| C5.21 | 16-FW-2002/13 Elbow to Pipe | INFO-009 | B-8 | X | | | | N/A | N/A | N/A | N/A | N/A | dimension and thickness of ground areas |
| C5.21 | 16-FW-2002/14 Pipe to Elbow | INFO-010 | B-8 | X | | | | N/A | N/A | N/A | N/A | N/A | dimension and thickness of ground areas |
| C5.21 | 16-FW-2002/15 Elbow to Pipe | INFO-011 | B-8 | X | | | | N/A | N/A | N/A | N/A | N/A | dimension and thickness of ground areas |
| N/A | Safety Injection Recirculation System/Weld Between HCV-383-3 and Containment Penetration | INFO-012 | B-37 | | | | X | FC-VT-1 | N/A | | X | | |
| C5.21 | 16-FW-2002/12 Pipe to Elbow | INFO-013 | B-11 | X | | | | N/A | N/A | N/A | N/A | N/A | dimension and thickness of ground areas |
| C3.40 | 28-MS-2002/11-PL-1 Pipe Lug | INFO-014 INFO-022 | B-5 B-5 | | X | | | FC-MT-1 FC-MT-1 | N/A N/A | | X X | | before welding after welding |
| C3.40 | 28-MS-2002/11-PL-2 Pipe Lug | INFO-014 INFO-022 | B-5 B-5 | | X X | | | FC-MT-1 FC-MT-1 | N/A N/A | | X X | | before welding after welding |
| C3.40 | 28-MS-2002/11-PL-3 Pipe Lug | INFO-014 INFO-022 | B-5 B-5 | | X X | | | FC-MT-1 FC-MT-1 | N/A N/A | | X X | | before welding after welding |



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| FORT CALHOUN | | SUPPLEMENTARY EXAMS (INFORMATION ONLY) | | | | | | FALL 1985 | | | | | |
| ITEM NO. | COMPONENT/WELD IDENTIFICATION NO. | REPORT NO. | ISOMETRIC DRAWING NO. | NDE METHOD | | | | PROCEDURE UTILIZED | CALIBRATION BLOCK USED | RESULTS | | | REMARKS |
| | | | | UT | MT | PT | VT | | | RI | NR | OTHER | |
| C3.40 | 28-MS-2002/11-PL-4 Pipe Lug | INFO-014 | B-5 | | X | | | FC-MT-1 | N/A | | X | | before welding after welding |
| | | INFO-022 | B-5 | | X | | | FC-MT-1 | N/A | | X | | |
| C5.21 | 16-FW-2001/3 Pipe to Pipe | INFO-015 | B-7 | X | | | | N/A | N/A | N/A | N/A | N/A | dimension and thickness of ground areas |
| C5.21 | 16-FW-2001/6 Valve to Pipe | INFO-016 | B-7 | X | | | | N/A | N/A | N/A | N/A | N/A | dimension and thickness of ground areas |
| C5.21 | 16-FW-2001/7 Pipe to Pipe | INFO-017 | B-7 | X | | | | N/A | N/A | N/A | N/A | N/A | dimension and thickness of ground areas |
| C5.21 | 16-FW-2002/5 Pipe to Pipe | INFO-018 | B-8 | X | | | | N/A | N/A | N/A | N/A | N/A | dimension and thickness of ground areas |
| C5.21 | 16-FW-2002/7 Pipe to Pipe | INFO-019 | B-8 | X | | | | N/A | N/A | N/A | N/A | N/A | dimension and thickness of ground areas |
| C5.21 | 16-FW-2002/10 Valve to Pipe | INFO-020 | B-8 | X | | | | N/A | N/A | N/A | N/A | N/A | dimension and thickness of ground areas |
| C5.21 | 16-FW-2002/11 Pipe to Pipe | INFO-021 | B-8 | X | | | | N/A | N/A | N/A | N/A | N/A | dimension and thickness of ground areas |

Volume II

RECORDABLE INDICATIONS
EXPLANATIONS AND LISTINGS

Section 4

Recordable indications were classified into four categories and are given below.

CATEGORY 1 - Recordable indications acceptable to ASME Section XI
 IWB-3122, paragraph IWB-3122.1 "acceptance by examination"

CATEGORY 2 - Examinations and re-examinations performed by Ebasco

CATEGORY 3 - Re-examinations performed by OPPD

CATEGORY 4 - Recordable indications evaluated for acceptability by OPPD

| <u>Exam Summary</u> <u>Page Number</u> | <u>Component/Weld Identification</u> | <u>Exam Report No.</u> |
|---|--|------------------------|
| CATEGORY 1 | | |
| 1 of 19 | R.P.V. Head To Flange Weld | 02-003 02-004 |
| 3 of 19 | SG No. 1 Tubesheet To Lower Shell Weld | 16-002 |
| CATEGORY 2 | | |
| 7 of 19 | 2½-PRL-2/7-PR-1 | 3C-001 |
| 8 of 19 | 12-SI-22/17-PR | 33-004 |
| 9 of 19 | 12-SDC-20/4-PR-1 | 40-001 |
| 10 of 19 | 2-LL-21/RC-113 | IWB-2430- 85-002 |
| 10 of 19 | 2-LL-21/TCV-202 | IWB-2430- 85-003 |
| 11 of 19 | 28-MS-2001/7-PR | 45-001 |
| 11 of 19 | 28-MS-2001/8-PR-1 Top | 45-002 |
| 11 of 19 | 28-MS-2001/8-PR-1 Bottom | 45-002 |

| <u>Exam Summary Page Number</u> | <u>Component/Weld Identification</u> | <u>Exam Report No.</u> |
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| 11 of 19 | 28-MS-2001/10-PR-1 | IWF-2430- 85-026 |
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| 12 of 19 | 28-MS-2002/10-PR-1 | IWF-2430- 85-033 |
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| 13 of 19 | 16-FW-2001/9 | IWC-2430- 85-001 |
| 13 of 19 | 16-FW-2001/10 | IWC-2430- 85-001 |
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Omaha Public Power District
1623 Harney Omaha, Nebraska 68102-2247
402/536-4000

April 16, 1986
LIC-86-169

Mr. Harold R. Denton, Director
U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Washington, DC 20555

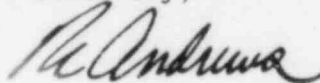
Reference: Docket No. 50-285

Dear Mr. Denton:

Fort Calhoun Station
1985 Refueling Outage Inservice Inspection Results

As required by Fort Calhoun Station Technical Specification 5.9.3.a, the Omaha Public Power District, holder of Facility Operating License, DPR-40, hereby submits forty (40) copies of the 1985 refueling outage inservice inspection results for Fort Calhoun Station, Unit No. 1.

Sincerely,



R. L. Andrews
Division Manager
Nuclear Production

RLA/JRG/rh

Enclosures

cc: U.S. Nuclear Regulatory Commission (2)
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, TX 76011

LeBoeuf, Lamb, Leiby & MacRae (1)
1333 New Hampshire Avenue, N.W.
Washington, DC 20036

Mr. E. G. Tourigny, NRC Project Manager (1)
Mr. P. H. Harrell, NRC Senior Resident Inspector (1)

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