



Omaha Public Power District

1623 HARNEY ■ OMAHA, NEBRASKA 68102 ■ TELEPHONE 536-4000 AREA CODE 402

April 14, 1982
LIC-82-157

Mr. Robert A. Clark, Chief
U. S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Division of Licensing
Operating Reactors Branch No. 3
Washington, D.C. 20555

Reference: Docket No. 50-285

Dear Mr. Clark:

In accordance with Fort Calhoun Station Technical Specification Section 5.9.3(a) and Section XI of the ASME Boiler and Pressure Vessel Code, Article IWA-6000, Part IWA-6220(b), please find attached a report which provides the results of the inservice inspection (ISI) of selected Class 1 and Class 2 plant components during the 1981 refueling outage. The scope of the ISI program involved the performance of non-destructive examinations of the plant components and piping.

Sincerely,

W. C. Jones
Division Manager
Production Operations

Attachment

cc: LeBoeuf, Lamb, Leiby & MacRae
1333 New Hampshire Avenue, N.W.
Washington, D.C. 20036



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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)
2. Plant Fort Calhoun Station, Hiway 73/75, P.O. Box 399, Ft. Cal., NE
(Name and Address of Plant) 68023-0399
3. Plant Unit 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 or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
RPV	CE	66111		20828
RPV Closure	CE	66211		20828
RPV Head Bolting	CE			
RC Pump Bolting	Byron Jackson	671-N-0029-32		
Stm Gen #1	CE	66505		20879
Stm Gen #2	CE	66506		20880
Regenerative HE	Atlas Ind. Mfg. Co.	1022		866
AC-4A Shutdown HE	Whitlock	EL-6817		
CH-7 Letdown HE	Atlas Ind. Mfg. Co.	1021		365
CH-19 Volume Control Tank	Alpha Tank	N/A		N/A
Piping (see attachment)				

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

FORM NIS-1 (back)

8. Examination Dates 9/20/81 to 1/4/82 9. Inspection Interval from 9/26/73 to 9/26/83
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval.
11. Abstract of Conditions Noted.
12. Abstract of Corrective Measures Recommended and Taken

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 March 23 19 82 Signed O.P.P.D. By WCF/ms
Owner

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 _____ and employed by Continental of Insurance Co. have inspected the components described in this Owners' Data Report during the period 9-15-81 to 1-4-82 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 3-29 19 82

David C. Keyes Commissions NB 7084
Inspector's Signature National Board, State, Province and No.

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LIST OF ABBREVIATIONS

ASME	-	The American Society of Mechanical Engineers
ASNT	-	The American Society for Nondestructive Testing, Inc.
CCW	-	Counterclockwise
CNF	-	Customer Notification Form
CRT	-	Cathode Ray Tube
CW	-	Clockwise
DAC	-	Distance Amplitude Correction
DNR	-	Deviation and Nonconformance Report
FSH	-	Full Screen Height
HAZ	-	Heat-Affected Zone
ISI	-	Inservice Examination
Lo	-	Zero Reference Location
mR	-	Millirem
MT	-	Magnetic Particle Examination
NDE	-	Nondestructive Examination
NDT	-	Nondestructive Testing
OPPD	-	Omaha Public Power District
PT	-	Liquid Penetrant Examination
QA	-	Quality Assurance
RL	-	Refracted Longitudinal
RPV	-	Reactor Pressure Vessel
SwRI	-	Southwest Research Institute
UT	-	Ultrasonic Examination
VT	-	Visual Examination

Abstract

An inservice examination (ISI) of selected components of Fort Calhoun Station Unit No. 1 was performed during the September - December, 1981 refueling outage. This ISI was the first of the third 40 month period of commercial operation. The components were examined in accordance with the "Project Plan for the 1981 Inservice Examination of Fort Calhoun Station Unit No. 1".

The nondestructive examinations were performed using visual (VT), liquid penetrant (PT), magnetic particle (MT) and manual ultrasonic (UT) techniques. The total significant indications observed by SWRI and recorded on the customer notification forms was 37. Of these 37 indications, 23 were corrected during the outage and upon reexamination they were found to be without indication. Fourteen of the indications were examined by OPPD personnel and after evaluation against the appropriate codes and standards they were accepted "as is".

Again this year, the reactor coolant pump studs were examined for boric acid corrosion. This time 14 studs were found to be sufficiently corroded to need replacement. These studs, in pumps A, B, and C, were replaced before restarting the unit.