

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

REGION III

Report No. 50-409/78-13

Docket No. 50-409

License No. DPR-45

Licensee: Dairyland Power Cooperative
2615 East Avenue - South
La Crosse, WI 54601

Facility Name: La Crosse Boiling Water Reactor

Inspection At: La Crosse Boiling Water Reactor Site, Genoa, WI

Inspection Conducted: October 23 and 24, 1978

Inspector: *D.H. Danielson*
for K. D. Ward

11/16/78

Approved By: *D.H. Danielson*
D. H. Danielson, Chief
Engineering Support Section 2

11/16/78

Inspection Summary

Inspection on October 23 and 24, 1978 (Report No. 50-409/78-13)

Areas Inspected: Inservice inspection (ISI) QA/QC programs, implementing procedures, data review and evaluation. The inspection involved a total of 11 onsite inspection hours by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

7812270078

DETAILS

Persons Contacted

Dairyland Power Cooperative

J. Parkyn, Assistant Superintendent
*H. Towsley, QA Supervisor
R. Wery, QA Specialist

*Denotes those present at the exit interview.

Licensee Action on Previous Inspection Findings

(Closed) Noncompliance (50-409/77-10, paragraph 1.a) - Inservice inspection program. The licensee's response, dated July 13, 1977, was evaluated and the implementation of the corrective action was examined. Region III requested headquarters assistance in obtaining an NRR position relative to the Code, ASME Section XI, 1971 Edition with no Addenda and the LACBWR Technical Specification, Table 5.3-1. The Assistant Director, Technical Programs, Division of Reactor Operations Inspection, IE response, dated October 31, 1977, was reviewed and the implementation of the specified corrective action was examined at the site. Results of the examination showed that the Dairyland Power Cooperative is in the process of completing the amendment to their technical specifications with an updated ISI program, including valve and pump testing. This will be completed six months prior to the next 40-month period which begins November 1, 1979 per 50.55a(g).

(Closed) Unresolved Item (50-409/77-10, paragraph 1.b) - Inservice inspection reports. The Authorized Inspector was present during the inservice inspection reviewing ISI reports. The QA Supervisor performed an audit and reviewed all the reports. Also, measures have been established to have all ISI reports reviewed by the licensee or the Authorized Inspector.

Functional or Program Areas Inspected

1. Inservice Inspection - General Information

Southwest Research Institute (SWRI) developed and performed the inservice inspection program in accordance with ASME Section XI, 1974 Edition, Summer 1975 Addenda.

2. Review of Program

The inspector established through review and discussion with the licensee representatives that the program requirements for inservice inspection of the reactor pressure vessel piping weldments and associated systems were in accordance with ASME Section XI, 1974 Edition, Summer 1975 Addenda.

It was determined that the program adequately addresses the scope of work to be accomplished during this outage.

The SWRI Nuclear Quality Assurance Program Manual No. 96 provided the implementation of QA/QC measures responsive to NRC requirements.

No items of noncompliance or deviations were identified within the areas reviewed.

3. Review of Procedures

The following procedures that are applicable to this activity were reviewed.

- a. Special Process Control No. NOAP 11-1, Revision 1, March 1977, NDE Personnel Certification, Written Practice in Accordance With SNT-TC-1A, 1975 Edition.
- b. Weld Joint Identification Marking on Nuclear Power Plant Piping, No. LX-FE-103-1, February 1977.
- c. Measuring and Recording Search Unit Location and Maximum Signal Amplitude Data During Ultrasonic Weld Examination, No. 1X-FE-104-1, August 1976.
- d. Onsite NDT Records Control No. X-FE-101-0, March 1976.
- e. Control of Nuclear Inspection Equipment, No. XIII-AG-101-0, June 1977.
- f. Liquid Penetrant Examination Color Contrast Method, No. SWRI-NDT-200-1, Revision 42, July 1978.
- g. Test and Inspection Equipment Control, No. NOAP, 10-1, Revision 1, March 1977.
- h. Control of Critical Services, Items and Equipment, No. NOAP, 12-1, Revision 1, March 1977.

- i. Manual Ultrasonic Examination of Pressure Piping Welds, No. SWRI-NDT-600-3, Revision 46, June 1978.
- j. Manual Ultrasonic Examination of Pressure Vessel Welds, No. SWRI-NDT-600-15, Revision 37, July 1978.
- k. Manual Ultrasonic Examination of LACBWR Nozzle Inside Radius Sections From Vessel Base Material, No. SWRI-NDT-800-59, Revision 0, October 1978.
- l. Visual Examination of Nuclear Reactor Components by Direct or Remote Viewing, No. SWRI-NDT-900-1, Revision 42, July 1978.
- m. Audits, NQAP, 15-1, Revision 1, March 1977.

No items of noncompliance or deviations were identified within the procedures reviewed.

4. Data Review and Evaluations

Review of the data files for the following systems demonstrated that the QA/QC and technical requirements were met. The specified information was available for ultrasonic (UT), liquid penetrant (PT), and visual (VT) examinations performed.

- a. Reactor Pressure Vessel weldments
- b. Main Steam
- c. High Pressure Core Spray
- d. Upper Liquid Level Penetrant Piping
- e. Experimental Access Penetration at 45° Piping

No items of noncompliance or deviations were identified in the data reviewed.

5. Material and Equipment

The inspector examined and verified the adequacy of the ultrasonic calibration standards, preparation of weldments and certification documents relative to the following items.

- a. Ultrasonic Couplant - batch No. TB-12137-2
- b. Liquid Penetrant Materials - batch No. 7H113 Penetrant, No. 7H140 Developer, and No. 7J070 Cleaner

c. Various calibration blocks and transducers

No items of noncompliance or deviations were identified above.

6. NDE Personnel Qualifications

The inspector reviewed the following Southwest Research Institute Personnel qualifications in accordance with SNT-TC-1A.

<u>Name</u>	<u>Method</u>	<u>Level</u>	<u>Yr. Code</u>
L. Villa	VT-PT	II	75
L. Villa	MT	I	68
L. Villa	UT	II	68
L. Villa	ET	I	75
S. Todd	VT	I LTD	75
S. Todd	UT-MT-PT	I	75
M. Littfin	PT-MT	I	75
M. Littfin	VT-RT	I LTD	75
M. Littfin	UT	II	75
J. Lehman	PT-VT-UT-MT	I LTD	75
G. Hendrix	VT-UT-MT-PT	II	68
M. Ehnstrom	UT-PT-MT	I	75
M. Ehnstrom	VT	I LTD	75

No items of noncompliance or deviations were identified above.

Exit Interview

The inspector met with Mr. Towsley, the site representative at the conclusion of the inspection. The inspector summarized the scope and findings of the inspection noted in this report.