

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

REGION III

Report No. 50-409/80-16

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: December 2, 1980

Inspector: *K. D. Ward*
K. D. Ward

12/10/80

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

12/10/80

Inspection Summary

Inspection on December 2, 1980 (Report No. 50-409/80-16).

Areas Inspected: Review of inservice (ISI) procedures, work activities, nondestructive examinations (NDE) personnel certifications and data; IE Bulletin 79-03A and IE Bulletin 80-08 activities. The inspection involved a total of 5 inspection hours on site by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

DETAILS

Persons Contacted

Dairyland Power Cooperative

*H. Townsley, QA Supervisor
R. Wery, QA Specialist

Southwest Research Institute (SWRI)

C. Cotton, Inspection Engineer

The inspector also contacted and interviewed other licensee and contractor employees.

*Denotes Mr. H. Townsley present at the exit interview.

Licensee Action on IE Bulletins

- References:
- a. NRC memorandum dated April 7, 1980, to DPC (IE Bulletin 79-03A titled "Longitudinal Weld Defects in ASME SA-312 Type 304 Stainless Steel Pipe)
 - b. DPC letter dated June 13, 1980, to Region III (Final response to IE Bulletin 79-03A)
 - c. NRC memorandum dated April 9, 1980, to DPC (IE Bulletin 80-08 titled "Examination of Containment Liner Penetration Welds")
 - d. DPC letter dated June 13, 1980, to Region III (Final response to IE Bulletin 80-08)

(Closed) IE Bulletin 79-03A. The inspector reviewed the final response and actions taken for IE Bulletin 79-03A and has no questions at this time.

(Closed) IE Bulletin 80-08. The inspector reviewed the final response and actions taken for IE Bulletin 80-08 and has no questions at this time.

Functional or Program Areas Inspected

1. General Information

- a. DPC requested Southwest Research Institute (SWRI) to develop and perform the inservice inspection program in accordance with ASME Section XI, 1974 Edition, Summer 1975 Addenda.

b. This is the first outage of the second ten year plan.

2. Program/Procedure Review

The inspector reviewed the following procedures and manual:

- a. Project Plan for the 1980 Inservice Examination of the La Crosse Boiling Water Reactor, 80-DLC-LBR-1-1-0, Copy No. 11, July 1980, prepared by SWRI.
- b. SWRI, Manual Ultrasonic Examination of Pressure Vessel Welds Greater Than 0.4 to 2.0 Inches in Thickness, NDT-600-33, Revision 3, November 1979.
- c. SWRI, Liquid Penetrant Examination Color Contrast Method, NDT-200-1, Revision 47, July 1979.
- d. SWRI, Manual Ultrasonic Examination of Pressure Piping Welds, NDT-600-3, Revision 5, April 1980.
- e. SWRI, Manual Ultrasonic Examination of Thin Wall Piping Welds, NDT-800-36, Revision 24, July 1979.
- f. SWRI, Visual Examination of Support Members and Structures for Piping, Valves, and Pumps by Direct or Remote Viewing, NDT-900-4, Revision 22, November 1979.
- g. SWRI, Manual Ultrasonic Examination of Small Diameter Piping Welds, NDT-800-63, Revision 0, April 1979.
- h. SWRI, Data Storage and Retrieval, XVII-AG-101-0, March 1976.
- i. SWRI, Control of Search Units, VII-AG-102-1, April 1980.
- j. SWRI, Control of Nuclear Inspection Equipment and Material, XIII-AG-101-1, April 1980.
- k. SWRI, Control of Nuclear Inspection Equipment, XIII-AG-101-1, October 1980.
- l. SWRI, Onsite NDT Records Control X-FE-101-1, June 1980
- m. SWRI, Recording Data from Direct Visual Liquid Penetrant and Magnetic Particle Examination of Welds, IX-FE-105-0, September 1978.
- n. SWRI, Measuring and Recording Search Unit Location and Signal Amplitude Data During Ultrasonic Examinations of Pressure Vessel Welds, IX-FE-109-1, February 1978.
- o. SWRI, Weld Joint Identification Marking on Nuclear Power Plant Piping, IX-FE-103-1, February 1977.

- p. SWRI, Measuring and Recording Search Unit Location and Maximum Signal Amplitude Data During Ultrasonic Weld Examinations, IX-FE-104-2, March 1978.
- q. SWRI, Deviations to Nuclear Field Services Section Operating Procedures, IX-FE-101-1, September 1976.

No items of noncompliance or deviations were identified.

3. 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, Glycerine, USP
- b. Liquid penetrant materials, developer, penetrant and cleaner.
- c. Various ultrasonic calibration blocks, instruments and transducers.

No items of noncompliance or deviations were identified.

4. NDE Personnel Qualifications

The inspector reviewed the following Southwest Research Institute personnel qualifications in accordance with SNT-TC-1A, 1975 Edition:

| <u>Name</u> | <u>UT</u> | <u>PT</u> | <u>VT</u> | <u>MT</u> |
|-------------|-----------|-----------|-----------|-----------|
| L. Villa | II | II | II | I |
| R. Forman | II | II | I | I |
| S. Todd | II | II | II | I |
| F. Gonzalez | I | I Ltd. | | I |
| J. Calvillo | I | I | | I Ltd. |

No items of noncompliance or deviations were identified.

5. Observation of Work and Work Activities

The inspector observed the following work and had discussions with personnel during review of the ISI activities. These observations included calibrations, preparation of welds, performance of the examinations, and the documentation.

- a. Ultrasonic examination of seal weld #53, main feedwater system.
- b. Liquid penetrant examination of outlet nozzle to safe end weld, shut down condenser.

No items of noncompliance or deviations were identified.

o. Review of Data Reports and Audits

The inspector examined and determined that the data reports demonstrated that the QA/QC requirements were met. The required information was available for the ISI.

DPC Audit No. 11-80-1 of SWRI ISI was also reviewed.

No items of noncompliance or deviations were identified.

Exit Interview

The inspector met with Mr. H. Townsley at the conclusion of the inspection. The inspector summarized the scope and findings of the inspection in this report.