

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

REGION III

Report No. 50-373/78-19; 50-374/78-14

Docket No. 50-373; 50-374

Licenses No. CPPR-99; CPPR-100

Licensee: Commonwealth Edison Company
P.O. Box 767
Chicago, IL 60690

Facility Name: La Salle County Station, Units 1 & 2

Inspection At: La Salle Site, Seneca, IL

Inspection Conducted: August 8-11, and 21, 1978

Inspectors: C. M. Erb

K. D. Ward
for K. D. Ward

9/18/78

11/8/78

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

9/18/78

Inspection Summary

Inspection on August 8-11, & 21, 1978 (Report Nos. 50-373/78-19; 50-374/78-14)

Areas Inspected: Program related to preservice inspection, including review of procedures, observation of work, nondestructive examination (NDE) activities, review and evaluation data and NDE recorders. The inspection involved 34 onsite inspection hours by two NRC inspectors.
Results: No items of noncompliance or deviations were identified.

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DETAILS

Persons Contacted

Plant Personnel

L. J. Burke, Site Project Superintendent
*L. H. Lavterbach, Quality Assurance Coordinator, CECO
*R. J. Legner, Quality Assurance Supervisor, CECO
*B. J. McAndrew, Lead Mechanical Engineer, CECO, SCD
*R. T. Rose, Lead Str. Engineer, CECO, SCD
*E. R. Wendorf, Field Engineer, CECO, SCD
*R. C. Lescinski, Quality Assurance Engineer, CECO
D. J. Skoza, Quality Assurance Engineer, CECO

General Electric Company

*L. W. Wheatley, Project Quality Control Supervisor
L. V. Bowne, Level II Ultrasonic (UT) Operator
H. Kolster, Level I Ultrasonic (UT) Operator
G. L. Fey, Level II Liquid Penetrant (PT) Operator
S. Reeve, Level II Trainee (PT) Operator

*Denotes those attending Exit Interview.

Functional or Program Areas Inspected

1. Review of Preservice Inspection (PSI) Program (Units 1 and 2)

The inspector reviewed Sargent & Lundy (S&L) Specification J-2976, Addendum 1, titled, "Baseline Inspection and 10 Year Inservice Inspection Program for Reactor Pressure Vessels and Class 1 Piping Systems", and S&L Specification J-2980, Addendum 1, titled, "Baseline Inspection and 10 year Inservice Inspection Program for Class 2, 3 and D plus Piping Systems". The specifications outline the preservice inspection requirements for Units 1 and 2.

The above specifications were certified by S&L to comply with ASME Section III, 1974 Edition with Summer 1975 Addenda, Article NA 3250 and ASME Section XI, 1974 Edition with Summer 1975 Addenda.

No items of noncompliance or deviations were identified.

2. Review of Preservice Inspection Procedures (Units 1 and 2)

The procedures applicable to this activity were reviewed in accordance with ASME Section III, V and XI, 1974 Edition with Summer 1975 Addenda.

- a. Nondestructive Examination Personnel Qualification and Certification No. PQ-8000, Rev. 5, March 10, 1978. General Electric (GE), Installation and Service Engineering Division (ISED).
- b. Manual Ultrasonic Testing of RPV Welds No. MPUV-S751 Rev. 0, May 15, 1978, (GE, ISED)
- c. Manual UT Examination of Full Penetration Piping Welds, Rev. 0, May 14, 1978. (GE, ISED). No. MPUP-S751
- d. Liquid Penetrant Examination of Nuclear Power Plant Components, Rev. 2, No. PP-S751, July 19, 1978, (GE, ISED)
- e. Qualification and Certification Procedure No. ASBD-NDT-1101, Rev. 2, September 1, 1977. (GE, apparatus Service Business Div.)
- f. Qualifications and Certification of Nondestructive Examination Personnel No. MAC-77-026, Rev. 04, December 28, 1977, (Materials Assurance Co.)
- g. Requirements for Welds in Piping Systems Subject to Baseline and Inservice Ultrasonic Examinations. (No number or revision).

There will be no magnetic particle, eddy current or radiographic examinations performed for preservice inspections.

No items of noncompliance or deviations were identified.

3. Observation of Work & Nondestructive Examination Activities
(Unit 1)

The inspector observed the following nondestructive examinations being performed in the Reactor Building:

- a. Ultrasonic examination of a 26" diameter, main steam line weld, No. IMS-1001-0-13. The material was carbon steel, 90° elbow to a straight section. The instrument used was a Krautkramer USL 32 with a 0.5" x 0.5" diameter transducer, 2.25 MHZ., GE calibration block No. 01-26-02, 1.062" thick and glycerine as a couplant. Three recordable indications were found, 55%, 60% and 65% of the distance amplitude correction curve (DAC), in accordance with ASME Section III, V and XI, 1974 Edition with Summer 1975 Addenda.

The radiographs of the weld above were reviewed. Grinnell Corp. radiographed the weld giving the weld No. B21-G001-IT.21. The radiographic source that was used to perform the radiography was II 192. There were no unacceptable indications viewed and the radiography was performed in accordance with ASME Section III & V, 1974 Edition with Summer 1975 Addenda.

- b. Liquid penetrant examination of two 4" diameter recirculating instrument lines were witnessed and found to be in accordance with ASME Sections III & XV, 1974 Edition with Summer 1975 Addenda. The weld numbers were LRR-1007-21 and -23. Weld number 21 had no unacceptable indications and weld number 23 had two unacceptable indications 1/16" long. These two indications were properly documented to assure they would be repaired.

These observations included preparation, calibration for the UT, performance of the examinations and the documentation.

No items of noncompliance or deviations were identified in the areas observed.

4. Data Review and Evaluation (Unit 1)

Review of data and NDE reports for the PSI activity, demonstrated that the QA/QC commitments had been complied with.

No items of noncompliance or deviations were identified.

5. NDE Personnel Qualification and Certification Review

The inspector reviewed the following NDE personnel qualifications and certifications in detail. The personnel were certified in accordance with SNT-TC-1A by Materials Assurance Co. (MAC), General Electric Co., Apparatus Service Business Division (GE, ASBD) and General Electric Co., Installation and Service Engineering Division, (GE, ISED).

<u>Name</u>	<u>Level</u>	<u>Methods</u>	<u>Co.</u>
L. W. Wheatley	II	UT	GE, ISED
K. R. Decker	II	UT-PT-MT	GE, ASBD
M. P. Hart	III	UT-PT-MT-RT	GE, ASBD
P. K. Olsen	III	UT-ET-MT-PT	MAC
L. V. Bowne	II	UT-PT	MAC
P. W. Cox	II	UT-PT	MAC
G. L. Fey	II	PT	MAC

H. Kloster	II	PT	MAC
H. Kloster	I	UT	MAC
R. E. Blackinton	II	PT	MAC
R. E. Blackinton	I	UT	MAC
T. W. Yurik	II	PT	MAC
T. W. Yurik	I	UT	MAC
P. P. Tellier	I	UT-PT	MAC

No items of noncompliance or deviations were identified.

6. Review of Liquid Penetrant Material and Ultrasonic Couplant Certifications

The inspector reviewed the following certifications:

- a. Liquid penetrant materials, SKL-HF/S formula B (penetrant), SKD-S (developer), and SKC-S (cleaner).
- b. Ultrasonic couplant, Glycerine synthetic.

No items of noncompliance or deviations were identified.

Exit Interview

The inspector met with site representatives (denoted in the persons contacted paragraph) at the conclusion of the inspection on August 21, 1978. The inspector summarized the scope and findings of the inspection noted in this report.