

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Docket No: 50-373
License No: NPF-11

Report No: 50-373/99017(DRS)

Licensee: Commonwealth Edison Company

Facility: LaSalle County Station, Unit 1

Location: 2601 North 21st Road
Marseilles, IL 61341

Dates: November 1-3, 1999

Inspector: Donald Jones, Reactor Inspector

Approved by: John M. Jacobson, Chief, Mechanical Engineering Branch
Division of Reactor Safety

EXECUTIVE SUMMARY

LaSalle Nuclear Generating Station, Unit 1 NRC Inspection Report 50-373/99017(DRS)

This inspection reviewed the implementation of the inservice inspection (ISI) program for the LaSalle Unit 1 refueling outage 8. This was an announced inspection conducted by one regional inspector.

Maintenance:

- Nondestructive examinations for inservice inspection were performed in accordance with applicable procedures by certified personnel. (Section M1.1)
- The licensee's assessment and oversight of the inservice inspection program was appropriate for the identification of issues that could adversely impact the program. The licensee was extensively involved in the inservice inspection effort and provided 24-hour oversight. (Section M1.2)

Report Details

II. Maintenance

M1 Conduct of Maintenance

M1.1 Observation of Inservice Inspection (ISI) Activities

a. Inspection Scope (73753)

The inspector observed ISI examinations and reviewed associated ISI procedures and personnel certifications to assure that the appropriate examinations were performed by qualified personnel.

b. Observations and Findings

The inspector observed all or portions of the following ISI activities:

- Manual ultrasonic equipment calibration and examination of the reactor core isolation coolant piping system welds (IRI-1002-04, 05, 06, and 01).
- Automated ultrasonic examination of the reactor recirculating piping system loop "B" weld (IRR-1005-1C).
- Radiographs of reactor core isolation cooling return line weld 2, (IRI41A-10").
- Magnetic particle examination of 4 lugs on the feedwater piping system (FW02-1004V).

Vendor personnel (General Electric and Conam) were properly certified and performed ISI to the ASME, Boiler and Pressure Vessel Code, Section XI, 1989 Edition. Licensee activities observed were performed in accordance with applicable ASME Code requirements. All applicable ISI procedures were approved by the Authorized Nuclear Inservice Inspector and were reviewed by the NRC inspector. The ISI procedures were found to be acceptable and in accordance with ASME Code, Section V, 1989 Edition.

c. Conclusions

The inspector concluded that nondestructive examinations were performed in accordance with applicable procedures by certified personnel.

M1.2 Effectiveness of Licensee Controls

a. Inspection Scope (73753)

The inspector reviewed self assessments and problem identification systems to evaluate the effectiveness of the licensee's controls in identifying, resolving, and preventing problems with the ISI program.

b. Observations and Findings

The inspector verified that the licensee's controls were sufficient for the identification and resolution of issues that could enhance or degrade plant operations or safety by review of Problem Identification Forms and ISI program assessments. The inspector reviewed the immediate actions and proposed solutions to PIFs associated with ISI. In addition, the inspector reviewed the assessment findings, recommendations, and conclusions and found that the assessments were thorough and appropriate.

The inspector reviewed the immediate actions and proposed solutions identified in problem identification forms associated with ISI and found that they were prudent.

The inspector also evaluated the effectiveness of the licensee's controls over ISI contractors. The inspector observed that the licensee personnel were extensively involved in ensuring the quality of the examination and evaluation of work done by contractors. The inspector observed that there was 24-hour oversight and that the licensee personnel were actively involved in field observation of contractor work.

c. Conclusions

The inspector concluded that the licensee's assessment and oversight of the ISI program was appropriate for the identification of issues that could adversely impact the program. The licensee was extensively involved in the inservice inspection effort and provided 24-hour oversight.

V. Management Meeting

X1 Exit Meeting Summary

The inspector presented the inspection results to members of licensee management at the conclusion of the inspection on November 3, 1999. The licensee acknowledged the findings presented. The licensee did not identify any items discussed as proprietary.

PARTIAL LIST OF PERSONS CONTACTED

ComEd

S. Adler, Regulatory Assurance
J. Benjamin, Site Vice President
D. Bost, Site Engineering Manager
A. Kochis, ISI Coordinator
J. Meister, Station Manager
W. Riffer, Nuclear Oversight Manager
F. Spangenberg, Regulatory Assurance Manager
M. Stevens, NDE Level III

NRC

E. Duncan, Senior Resident Inspector
P. Krohn, Resident Inspector

General Electric

J. Easton, Project Manager
H. Schlortt, Project Level III

INSPECTION PROCEDURES USED

IP 73753: Inservice Inspection

LIST OF DOCUMENTS REVIEWED

LaSalle County Station Unit 1, L1RO8, Second Inspection Interval, First Period, Second Outage, ISI Inspection Workslope, Revision 5

<u>Procedure</u>	<u>Revision</u>	<u>Title</u>
NDT-A	21	Radiographic Examination
NDT-A1	12	Radiographic Acceptance Criteria for Welds, ASME Section III Class 1
NDT-B-1	8	Magnetic Particle Examination For ASME Section XI Class IWB And IWC Components For Nuclear Stations
NDT-C-2	25	Preservice And Inservice Ultrasonic Examination Of Similar And Dissimilar Metal Welds
GE-UT-106	2	Procedure For Manual Ultrasonic Examination Of Ferritic Piping Welds
GE-UT-209	6	Procedure For Automated Ultrasonic Examination Of Similar And Dissimilar Metal Welds, Including Nozzle To Safe-End Welds
GE-ADM-1001	1	Procedure For Performing Linearity Checks On Ultrasonic Instruments

LIST OF ACRONYMS USED

ASME	American Society of Mechanical Engineers
ISI	Inservice Inspection
NRC	Nuclear Regulatory Commission