

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

REGION III

Report Nos. 50-373/81-21; 50-374/81-10

Docket Nos. 50-373; 50-374

License Nos. CPPR-99; CPPR-100

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

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

Inspection Area: La Salle Site, Marseilles, IL

Inspection Conducted: June 1, 1981

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

6/4/81

Approved By: *D. H. Danielson*  
D. H. Danielson, Chief  
Materials & Processes Section

6/4/81

Inspection Summary

Inspection on June 1, 1981 (Report Nos. 50-373/81-21; 50-374/81-10)

Areas Inspected: Review of jet pump instrumentation assembly, drawings, procedures and personnel certifications. The inspection involved a total of 7 inspector-hours onsite by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

## DETAILS

### Persons Contacted

#### Commonwealth Edison Company (CECo)

\*W. Donaldson, Asst. Superintendent  
\*T. Quaka, QA Superintendent  
\*D. Skoza, Project CDE  
\*E. Weldorf, Project CDE  
W. Hartig, QA Inspector

#### General Electric Company (GE)

\*R. Spencer, Site Manager

#### Reactor Controls, Inc. (RCI)

\*J. Courtney, Site Manager  
\*L. Bartlett, QC Supervisor

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

\*Denotes those present at the exit interview.

### Licensee Action on Previous Inspection Findings

(Closed) Unresolved Item 374/81-06-01. Welded seams identified to spools. The inspector reviewed the reports of ten nozzles associated with the Unit 2 Reactor Recirculation System (B33-G001) with the final documentation submitted by GE and found the information to be complete and acceptable.

Ref. Q.A. Surveillance Report No. 81-307, File No. J-2500.26 April 16, 1981.

### Functional or Program Areas Inspected

#### Jet Pump Instrumentation

1. In 1977 RCI did not complete welding 16 of the brackets holding the jet pump instrument lines on both Units 1 and 2 because of inaccessibility for Unit 1 and of an interpretation of GE print, "Assembly Jet Pump Instrumentation #731E732 dated 6/19/78 on Unit 2. RCI wrote a letter to CECo dated 5/27/77 reminding CECo of the problem. This letter was misfiled or lost. In 1980 RCI discovered the incomplete welds by finding a data sheet that had not been completed. Due to the clearance problem with the gusset and the shroud support ring in Units 1 and 2, four anti-torsional braces were added in the penetration area of Unit 1 and four will be added in the penetration area of Unit 2 in June 1981. A test mockup booth was made to simulate the jet pump instrumentation lines in the RPV in which the welder was qualified.

The water in the instrument lines was not drained before the first bracket was tack welded in place. When the welder struck his first arc, it generated steam inside the tube and blew a hole in the tube at the tack weld. The tubes are 0.56" O.D. The tube had a hole 1/16" diameter at the top and tapered to a pin hole at the bottom. The hole was repaired, a visual examination was made and a hydro will be performed.

CECo and GE, the AE, informed the inspector that the jet pump instrumentation lines are not classified as safety related equipment. GE was asked if the parting or rupture of these lines would result in a potential safety concern with plant operation. GE's Project and Design Engineers stated that a review of this type of failure had been performed in the past and no safety concerns were found. This review is documented in in GE's design review file located at San Jose, California.

2. Reactor Controls, Inc. performed the welding and NDE and the following documents were reviewed by the inspector.
  - a. RCI, Welding Procedure Specification WPS-8/8-OTS-3, Rev. 3, 8/13/80, ASME Section IX 1980 Edition, Summer 1980 Addenda.
  - b. RCI, Welding Procedure for Stainless Steel to Stainless Steel for RPV Internals Installation, WP-3, Rev. 1, 9/27/76.
  - c. RCI, Procedure Qualification Record Q8/8-OTS-1 Rev. 4, 11/3/80.
  - d. RCI, Visual Examination Procedure VE-1, Rev. 2, 9/29/76, ASME Section III 1974 Edition, Summer 1975 Edition.
  - e. G.E. print of "Assembly Jet Pump Instrumentation" #731E732, 6/19/78.
  - f. RCI, Jet Pump Instrumentation Mockup Procedure, Rev. 0, 5/4/81.
  - g. Welder Qualification Tests of T. Woodward, Stamp No. P-5.
  - h. NDE personnel certification of C. Guarneri, Level II in visual examination in accordance with SNT-TC-1A 1975 Edition.
  - i. Nonconformance Reports (RC's).
  - j. Field deviation disposition requests (FDDR's).
  - k. Weld data sheets (WDS).

No items of noncompliance or deviations were identified.

#### Exit Interview

The inspector met with site representatives (denoted in Persons Contacted paragraph) at the conclusion of the inspection. The inspector summarized the scope and findings of the inspection noted in this report.