

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-341/85032

Docket No. 50-341

License No. NPF-33

Licensee: Detroit Edison Company
2000 Second Avenue
Detroit, MI 48226

Facility Name: Fermi 2 Nuclear Plant

Inspection At: Fermi 2 Site, Monroe, MI

Inspection Conducted: June 10, 1985

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

7/2/85
Date

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

7/2/85
Date

Inspection Summary

Inspection on June 10, 1985 (Report No. 50-341/85032(DRS))

Areas Inspected: Announced, special safety inspection to review radiographs of the flange to pipe welds on the torus/drywell vacuum breaker lines. This inspection involved a total of 5 inspector-hours onsite by one NRC inspector.

Results: No violations or deviations were identified.

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DETAILS

1. Persons Contacted

Detroit Edison Company (DECo)

*J. Nyquist, Assistant to Superintendent, Nuclear Production
*J. Leman, Maintenance Engineer
*J. Quinn, Maintenance Welding Engineer
*P. Fessler, Assistant Maintenance Engineer
J. Rotondo, Senior Quality Spec.

Nuclear Energy Services (NES)

B. Dycus, NDE Level III

USNRC

*P. Byron, Senior Resident Inspector
*C. Jones, Resident Inspector

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

*Denotes those present at the exit interview on June 10, 1985.

2. Radiographs for Torus/Drywell Vacuum Breakers

Reactor Controls Incorporated (RCI) prepared the ASME N5 Data Reports prior to turnover to DECo. When RCI prepared the N5 Data Reports nondestructive examinations (NDE) were not required to be performed on the twelve flange to pipe welds on the vacuum breaker lines.

When DECo QA was reviewing the ASME N5 data packages and preparing the ASME N3 Data Reports, it was observed that NDE had not been performed on the twelve subject welds. DECo Engineering confirmed that radiography (RT) and liquid penetrant examinations (PT) were required to be performed in accordance with the ASME Code.

Subsequently, NES radiographed the following 18" diameter raised face flange to pipe welds and found them all unacceptable to ASME Section III, 1971 Edition, Summer 1973 Addenda.

#10-1	#10-4	#10-7	#10-10
#10-2	#10-5	#10-8	#10-11
#10-3	#10-6	#10-9	#10-12

The Certified Level III of NES and DECo and the ANI interpreted the reradiographs for the above welds and found them to be acceptable. The NRC inspector interpreted the original and the final radiographs for welds #10-4, #10-10 and #10-11 and found the final radiographs to be acceptable. It should be noted that the original RT found some welds to contain unacceptable defects. These welds were subsequently repaired, final RT'd and accepted.

The NRC inspector visually examined the above three completed welds, reviewed the repair packages including drawings, weld material requisition, clean area access records, NDE reports, work orders, processing and status inventory sheets and maintenance inspection checklists. The NRC inspector also reviewed NDE and welder personnel certifications, procedures, verified welding rod being used and toured the weld rod issue room. The NRC inspector agreed with the licensee's actions.

No violations or deviations were identified.

3. Exit Interview

The inspector met with site representatives (denoted in Persons Contacted paragraph) at the conclusion of the inspection. The inspectors summarized the scope and findings of the inspection noted in this report. The inspector also discussed the likely informational content of the inspection report with regard to documents or processes reviewed by the inspector during the inspection. The licensee did not identify any such document/processes as proprietary.