

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

REGION III

Report No. 50-341/78-20

Docket No. 50-341

License No. CPPR-87

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

Facility Name: Enrico Fermi, Unit 2

Inspection At: Fermi 2 Site, Monroe, MI

Inspection Conducted: December 12-14, 1978

Inspector:

*Ed. W. K. Lee*  
Ed. W. K. Lee

1/5/79

Approved By:

*D. H. Danielson*  
D. H. Danielson, Chief

Engineering Support Section 2

1/1/79

Inspection Summary

Inspection on December 12-14, 1978 (Report No. 50-341/78-20)

Areas Inspected: Reactor Coolant Pressure Boundary Piping Welding, Safety Related Piping and Welding and previously identified items of noncompliance and deviation. The inspection involved 19 inspector-hours onsite by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

7902260110

## DETAILS

### Persons Contacted

#### Principal Licensee Employees

- \*T. A. Alessi, QA Director
- \*A. Alexious, Assistant Project Superintendent
- \*C. R. Bacon, Field Project Engineer
- \*G. Carter, QA Engineer
- \*W. Everett, Project Superintendent
- \*J. D. Ryan, Site Project QA Engineer
- \*H. A. Walker, Project QA Engineer
- \*W. W. White, Assistant Project Manager and Plant Superintendent

#### Other Personnel

- \*J. G. Bolt, Project QA Manager, Daniel International Corporation (DIC)  
S. Heath, QA Engineer, DIC
- \*J. Kearney, Corporate QA and QC Manager, Wismer-Becker Contracting  
Engineers (W-B)
- \*C. Keller, Project Quality Manager, W-B
- \*C. W. Kostbade, QC Engineer, DIC  
J. Rotondo, QC Welding Inspector, DIC
- \*D. E. Seifert, Project Manager, DIC

\*Denotes those attending the exit interview.

#### Licensee Action on Previously Identified Items

(Closed) Deviation (341/78-08-03): Welding procedure deviated from code requirements: The inspector reviewed the revised welding procedure No. WPS-106, Rev. 5 and determined that code requirements are met.

(Closed) Noncompliance (341/78-11-02): Wismer-Becker Contracting Engineers (W-B) Operation Process Traveler: The inspector reviewed the revised travelers for loops A and B and determined that corrective action was taken as described in Detroit Edison Company letter dated October 4, 1978.

(Closed) Noncompliance (341/78-11-03): Repair of weld No. N21-2336-2W0: The inspector reviewed DDR No. WB-115 and determined that the DDR was properly closed out. Actions taken to avoid further noncompliance were also reviewed and determined to be acceptable.

(Closed) Noncompliance (341/78-11-04): Identification of welders on Weld Process Control Sheet: The inspector reviewed Wismer-Becker Procedure No. WB-E-141 and determined that instructions to the QC Inspectors have been provided.

Functional or Program Areas Inspected

1. Reactor Coolant Pressure Boundary Piping (Welding) - Observation of Work and Work Activities

a. Joint Preparation and Alignment

The inspector observed fit-up of Main Steam System Weld No. B-3 on drawing No. GE 731-E756. It was determined that the joint alignment met the applicable code and procedure requirements and QC verified the alignment prior to welding.

b. Welding of Root Pass

The inspector observed welding of root pass of Main Steam System Weld No. B-3 on drawing No. GE 731-E756. It was determined that: (1) proper welding procedure was used; (2) welders were currently qualified and (3) physical appearances were acceptable.

c. NDE of Weld

The inspector observed liquid penetrant examination of Recirculation System Weld No. B-13 on drawing No. GE 761-E214 and High Pressure Coolant Injection System Weld No. E41-2297-2VW4 on drawing No. 6M721-2297-1. It was determined that: (1) surface condition was acceptable; (2) procedure requirements were met and (3) personnel were properly qualified.

No items of noncompliance or deviations were identified.

2. Safety Related Piping - Observation of Work and Work Activities

The inspector observed rigging and protection of High Pressure Coolant Injection System Spool No. E41-3163-8. It was determined that work activities were performed in accordance with the applicable procedures and good construction practices were adhered to. No items of noncompliance or deviations were identified.

3. Safety Related Piping (Welding) - Observation of Work and Work Activities

a. Joint Preparation and Alignment

The inspector observed fit-up of Emergency Equipment Cooling Water System weld No. P44-3558-OW4 on drawing No. 6M721-3558-1, Low Pressure Core Spray System weld No. E21-3148-SW01 on drawing No. 6M721-3148-1 and Emergency Equipment Cooling Water System weld No. P44-3657-OW14 on drawing No. 6M721-3657-1. It was determined that the joint alignment met the applicable code and procedure requirements and QC verified the alignment prior to welding.

b. Welding of Root Pass

The inspector observed welding of root pass of Emergency Equipment Cooling Water System weld No. P44-3558-OW4 on drawing No. 6M721-3558-1 and Low Pressure Core Spray System weld No. E-21-3144-01W5 on drawing No. 6M721-3144-1. It was determined that: (1) proper welding procedure was used; (2) welders were currently qualified and (3) physical appearances were acceptable.

c. Welding Beyond Root Pass

The inspector observed welding of Residual Heat Removal System weld No. E11-3146-OW5 on drawing No. 6M721-3146-1 and Low Pressure Core Spray System weld No. E21-3147-1OW0 on drawing No. 6M721-3147-1. It was determined that: (1) applicable welding procedure was used; (2) welders were currently qualified; (3) welding procedure requirements were met; (4) work area was free of weld rod-stubs and (5) physical appearances were acceptable.

d. Storage and Control of Welding Materials

The inspector visited the welding material issuing location in the Auxiliary Building. It was determined that: (1) the welding materials are properly identified and segregated; (2) the temperature of the rod ovens is maintained; (3) records are properly kept and (4) issuance and return of welding materials are controlled.

Exit Interview

The inspector met with the licensee representatives (denoted in the Persons Contacted paragraph) on December 14, 1978. The inspector summarized the scope and findings of the inspection. The licensee acknowledged the information.