



ENRICO FERMI UNIT 2 PROJECT  
QUALITY ASSURANCE

December 9, 1982

WISMER AND BECKER'S QA PROGRAM

As of the first quarter of 1982, Wismer and Becker has undergone substantial hanger program changes. These program changes consist of procedural as well as personnel attitude changes.

The procedural changes resulted in clarification of inspection requirements as well as adding inspection requirements in order to document the adequacy of the installation.

1. Wismer and Becker's procedure WB-C-105 "Concrete Anchor Installation and Testing", Rev. 20, was issued on February 23, 1982 to require an inspection and documentation of concrete anchor spacing and abandoned hole requirements before installation of the base plate. (See WB-C-105, Para. 3.2)
2. The Wismer and Becker's procedure WB-Q-122 "QA Documentation Review" was changed via ICP #482 to include a hanger documentation review. This change includes an actual checklist to be used during the review of hanger documentation packages.
3. Wismer and Becker's procedure WB-C-114 was revised to include skewed fillet weld inspection criteria. This was approved April 15, 1982.
4. Wismer and Becker is currently in the process of revising their Hanger Inspection procedure to provide acceptance criteria for inspection of strut and/or catalogue components.

The improved personnel attitude changes are indirectly a result of the above procedural revisions as well as directly attributed to the NRC's Construction Assessment Teams survey, June 21 through July 2, 1982. As a result of this survey, Wismer and Becker's Management has initiated a number of Corrective Action measurements. These corrective action measurements, illustrated in Wismer and Becker's response to the licensee regarding the CAT Team audit, have had a direct impact on the contractor's Inspection Program (See copies enclosed).

1. Project Quality Assurance has noted a marked increase in cooperation of Wismer and Becker's Project Management with their Inspection Personnel, as well as:
2. An increase in cooperation of Wismer and Becker's Project Management with Project Quality Assurance personnel.

To provide a reliable basis for deciding whether or not an additional program should be integrated into ongoing programs, and to assure that all remaining potential areas of concern are addressed, a sampling program providing a statistically sound basis for decisions was proposed to management.

The program was basically endorsed and will be implemented as soon as plans are finalized (December, 1982). The result of this inspection program will determine whether or not additional inspections should be made on hangers installed prior to March, 1982, and the characteristics to be inspected.

4. Summary of Programs Planned

- A. Continued surveillance of contractor's activities to assure programs effectiveness for new installations or modifications.
- B. Implementation of sampling programs by extending contractor's inspections of work done on "old supports" to include all characteristics of supports. This program will continue until statistical significance is achieved (✓ 275 hangers).

The results of this effort will be analyzed by PQA and will be the basis for concluding whether or not additional support characteristics need to be included in ongoing programs, and thus substantiate or disprove effectiveness of Contractors' inspection programs in the pre-March, 1982 period.

George M. Trahey  
December 9, 1982

December 10, 1982

Docket No. 50-341

The Detroit Edison Company  
ATTN: Mr. Donald A. Wells  
Manager, Quality Assurance  
2000 Second Avenue  
Detroit, MI 48226

Gentlemen:

This refers to the discussions between Mr. W. R. Holland and others of the Detroit Edison Company staff and Messrs. B. H. Little and I. T. Min of this office during a meeting at the Fermi site on December 10, 1982.

These discussions related to deficiencies your site QA staff identified during a review of large bore hangers previously installed and accepted by site contractors quality control. With regard to the matters discussed, we understand that:

1. Large and small bore supports installed and QC accepted prior to December 9, 1982, will be inspected and all deficiencies will be evaluated by an independent professional engineering organization under control of the licensee.
2. The activity described in Item 1 will not be initiated until the program and schedules are presented to NRC Region III.
3. All future support installations will be reinspected 100% by PQA based on selected inspection characteristics for hardware and software subsequent to the Contractor QC acceptance. New support installations issued to all construction crews will be limited to 100 packages with no more than 40 large bore piping supports.
4. Item 3 will not be discontinued until the licensee is confident of Contractor QC performance, and this determination is concurred with by NRC Region III.

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CONFIRMATORY ACTION LETTER

The Detroit Edison Company

- 2 -

December 10, 1982

5. The licensee will present to NRC Region III, on January 11, 1983, a plan for improving the QC program based on the deficiencies identified during the recent PQA Surveillances. Improvements will address subjects such as procedure clarity, personnel training and qualification, etc., as appropriate.

The above information was confirmed in a telephone conversation between Mr. T. A. Alessi of your staff and Messrs. R. C. Knop and D. H. Danielson on December 10, 1982.

Please inform us immediately if your understanding of this matter is different from that stated above.

Sincerely,

*Charles E. Norelius*

Charles E. Norelius, Director  
Division of Engineering and  
Technical Programs

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