

Detroit
Edison

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50-342

August 13, 1981
EF2 - 54251



Mr. L. L. Kintner
Division of Project Management
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Reference: Enrico Fermi Atomic Power Plant - Unit 2

Subject: Seismic Qualification Review Team (SQRT) Audit

Dear Mr. Kintner:

The audit was conducted during the week of July 27-31, 1981, by Dr. Arnold Lee, of your Equipment Qualification Branch, with the assistance of a team of engineers and scientists from Brookhaven National Laboratory. The audit was concluded with an Exit Interview Meeting on July 31, 1981.

A list of the resulting action items assigned to Detroit Edison in the Exit Interview Meeting is attached for your records.

If you have any questions, please call our Yogi Anand at (313) 649-7363.

Yours very truly,

A handwritten signature in cursive, appearing to read "W. F. Colbert".

W. F. Colbert
Technical Director
Enrico Fermi 2

WFC/YNA/jlj
Attachment

cc: Dr. Morris Reich
Department of Nuclear Energy
Building 129
Brookhaven National Laboratory
Upton, NY 11973

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ENRICO FERMI 2 PROJECT

SQRT AUDIT

OPEN ITEMS: EQUIPMENT SPECIFIC

OPEN ITEM #1

Engine Instrument Panel, RHR Complex: SQRT Audit Item #3

The Engine Instrument Panel is shock mounted on the support frame. The clearance provided between the shock mounting and the support frame is 0.12". Clearance of 0.16" minimum is required to prevent bottoming out of the shock spring. The clearance will be increased as required by September 1, 1982 (3 months prior to issue of O.L.).

OPEN ITEM #2

Diesel Generator Service Water Pumps: SQRT Audit Item #4

Work needed to close out concerns arising from reassessment for site specific earthquake will be completed by September 1, 1982 (3 months prior to issue of O.L.).

OPEN ITEM #3

RHR Mechanical Draft Cooling Towers: SQRT Audit Item #5

The motor, the spray nozzels, and the fan have yet to be installed. The work on placing of fill and eliminators is in progress. All work on mechanical draft cooling towers will be completed by September 1, 1982 (3 months prior to issue of O.L.).

OPEN ITEM #4

Floor Mounted Instrument Rack: SQRT Audit Item #11

Instrument tubing/pipe supports have yet to be installed. This work will be completed by September 1, 1982 (3 months prior to issue of O.L.).

Drywell I & C pipe up to excess flow check valve which is outside the drywell and the tubing from there to the rack will be computer analyzed and appropriate supports designed and installed.

Other tubing attached to the rack will be designed as per DECO Design Spec. 3071-525 and S&L Report SL-3159.

OPEN ITEM #5

Hydraulic Control Unit: SQRT Audit Item #20

Work on supports for the attached piping will be completed by September 1, 1982 (3 months prior to issue of O.L.).

OPEN ITEM #6

Barton Flow Transmitter: SQRT Audit Item #21

Provide: 1) Bolt size and base plate dimensions as mounted on the panel; 2) Details of test mount conditions, and 3) Investigation of the device capability at resonance frequency of 30Hz in z-direction, by August 31, 1981.

OPEN ITEM #7

G. E. Relay: SQRT Audit Item #22

Provide amplification of Panel H11-P617, by August 31, 1981.

OPEN ITEM #8

G.E. Rack: SQRT Audit Item #24

Provide report(s) to show that resonance in side to side and vertical direction is higher than that in front to back direction by August 31, 1981.

ENRICO FERMI 2 PROJECT

SQRT AUDIT

OPEN ITEMS: GENERIC CONCERNS

OPEN ITEM #1a

Provide updated list of equipment which was either not qualified or not installed at the time of SQRT Audit, by August 31, 1981.

OPEN ITEM #2a

Provide list of equipment that is listed in the Equipment Summary List but is no longer considered safety related, by August 31, 1981.

OPEN ITEM #3a

Provide the summary results of the Equipment Seismic Qualification Reassessment based on the use of 5% structural damping instead of 7% and a table similar to Table 5.4-1 of July 15, 1981, submittal to NRC for components requiring requalification by August 31, 1981.

In addition, provide a complete list of floor response spectra with respect to 5% structural damping, by August 31, 1981.

OPEN ITEM #4a

At completion of Equipment Seismic Qualification Program (including reassessment), provide any equipment hardware modifications which would have been necessitated, by September 1, 1982 (3 months prior to issue of O.L.).

OPEN ITEM #5a

Provide confirmation for adequacy of acceleration values used in valve qualification by comparison with the results of As-Built Piping Analysis for all types of valves audited, by September 1, 1982 (3 months prior to issue of O.L.).

OPEN ITEM #6a

Provide SQRT forms for all equipment not qualified or not installed at the time of audit, by September 1, 1982 (3 months prior to issue of O.L.).