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Docket No. 50-346

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Mr. Richard P. Crouse Vice President, Nuclear Toledo Edison Company Edison Plaza 300 Madison Avenue Toledo, Ohio 43652

SUBJECT: ENVIRONMENTAL QUALIFICATION OF SAFETY-RELATED ELECTRICAL EQUIPMENT

RE: Davis-Besse Unit No. 1: License Mo. MPF-3

Reference (a) - Order for Modification of License Concerning the Environmental Qualification of Safety-Related Electrical Equipment dated October 24, 1980

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Dear Mr. Crouse:

This letter transmits the Safety Evaluation for the Environmental Qualification of Safety-Related Electrical Equipment at your facility. This evaluation was based on your submittals dated April 3, August 14 and October 31, 1980. Our letter of March 16, 1981, which forwarded our preliminary results, indicated that an item-by-item reevaluation would be required at a later date. This Safety Evaluation identifies the specific information required by the staff and the actions, on your part, necessary to comply with Reference (a). We request that you provide the information identified in Sections 3 and 4 of this Safety Evaluation to us within 90 days.

This Safety Evaluation addresses only the safety-related electrical equipment exposed to a harsh environment resulting from an accident (i.e., the IEB 79-018 review). Reference (a) requires that all safety-related electrical equipment be qualified by June 30, 1982. The NRC review effort for the equipment in mild environments will be addressed by separate correspondence.

Your response may present alternatives to the staff positions in the evaluation. The staff will consider alternative approaches if these methods are within the DOR Guidelines or NUREG-0588, as appropriate. For example, an acceptable alternative to the NRC staff's temperature criterion used for the service conditions (i.e. Section 3.3) must base that service condition on the FSAR analysis or other NRC approved analysis, provided that the specific analysis, together with reference to the previous NRC acceptance of that analysis, accompanies the 90 day response. In addition, some of the information in the Safety Evaluation may require clarification. Contact your project manager for assistance in these matters.

It remains your responsibility to assure that the qualification deadline is met for all safety-related electrical equipment. The staff's review of your response to this letter should not delay any action which is required in order to aget the deadline.

Sincerely,

\*ORIGINAL SIGNED BY

JOHN F. STOLTZ\*

John F. Stolz, Chief Operating Reactors Branch #4 Division of Licensing

Enclosures:

1. SER 2. TER

cc w/enclosures; See next page

\*See previous 318 for concurrence.

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It remains your responsibility to assure that the qualification deadline is met for all safety-related electrical equipment. The staff's review of your response to this letter should not delay any action which is required in order to meet the deadline.

Sincerely,

John F. Stolz, Chief Operating Reactors Branch #4 Division of Licensing

Enclosures:

1. Safety Evaluation Report

2. Technical Evaluation Report

cc w/enclosure: See next page

OFFICE ORB#4:OL ORD#4:DL C-GRB#4:DL ORB#2:DL

SURNAME RINGRAM OBACHET/Cb JStolz MWilliams

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## UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON, D. C. 20656

June 5, 1981

Docket No. 50-346

Mr. Richard P. Crouse Vice President, Nuclear Toledo Edison Company Edison Plaza 300 Madison Avenue Toledo, Ohio 43652

SUBJECT: ENVIRONMENTAL QUALIFICATION OF SAFETY-RELATED ELECTRICAL EQUIPMENT

RE: Davis-Besse Unit No. 1; License No. NPF-3

Reference (a) - Order for Modification of License Concerning the Environmental Qualification of Safety-Related Electrical Equipment dated October 24, 1980

Dear Mr. Crouse:

This letter transmits the Safety Evaluation for the Environmental Qualification of Safety-Related Electrical Equipment at your facility. This evaluation was based on your submittals dated April 3, August 14 and October 31, 1980. Our letter of March 16, 1981, which forwarded our preliminary results, indicated that an item-by-item reevaluation would be required at a later date. This Safety Evaluation identifies the specific information required by the staff and the actions, on your part, necessary to comply with Reference (a). We request that you provide he information identified in Sections 3 and 4 of this Safety Evaluation to us within 90 days.

This Safety Evaluation addresses only the safety-related electrical equipment exposed to a harsh environment resulting from an accident (i.e., the IEB 79-01B review). Reference (a) requires that all safety-related electrical equipment be qualified by June 30, 1982. The NRC review effort for the equipment in mild environments will be addressed by separate correspondence.

Your response may present alternatives to the staff positions in the evaluation. The staff will consider alternative approaches if these methods are within the DOR Guidelines or NUREG-0588, as appropriate. For example, an acceptable alternative to the NRC staff's temperature criterion used for the service conditions (i.e. Section 3.3) must base that service condition on the FSAR analysis or other NRC approved analysis, provided that the specific analysis, together with reference to the previous NRC acceptance of that analysis, accompanies the 90 day response. In addition, some of the information in the Safety Evaluation may require clarification. Contact your project manager for assistance in these matters.

It remains your responsibility to assure that the qualification deadline is met for all safety-related electrical equipment. The staff's review of your response to this letter should not delay any action which is required in order to meet the deadline.

Sincerely.

John F. Stolz, Chief

Operating Resotors Branch #4 Division of Licensing

Enclosures:

Safety Evaluation Report
 Technical Evaluation Report

ar w/enclosure: See next page

Toledo Edison Company

cc w/enclosure(s):

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Mr. Ted Myers
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Toledo Edison Company
Edison Plaza
300 Madison Avenue
Toledo, Ohio 43652

U.S. Nuclear Regulatory Commission Resident Inspector's Office 5503 N. State Route 2 Oak Harbor, Ohio 43449

U. S. Environmental Protection Agency Federal Activities Branch Region V Office ATTN: EIS COORDINATOR 230 South Dearborn Street Chicago, Illinois 60604

Ohio Department of Health ATTN: Radiological Health Program Director P. O. Box 118 Columbus, Ohio 43216



## UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON, D. C. 20556

Enclosure 1

SAFETY EVALUATION REPORT BY THE
OFFICE OF NUCLEAR REACTOR REGULATION
EQUIPMENT QUALIFICATION BRANCH

FOR TOLEDO EDISON COMPANY
DAVIS-BESSE UNIT 1

DOCKET NO. 50-346

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