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Mr. John P. Stetz Vice President - Nuclear Centerior Service Company c/o Toledo Edison Company Davis-Besse Nuclear Power Station 5501 North State Route 2 Oak Harbor, OH 43449

SUBJECT:

REQUEST FOR INFORMATION ON FIRE BARRIER PENETRATIONS FOR FACILITY OPERATING LICENSE NO. NPF-3 - DAVIS-BESSE NUCLEAR POWER STATION.

UNIT NO. 1 (TAC NO. M94335)

Dear Mr. Stetz:

Information is needed to address several questions that we are trying to resolve on fire barrier penetrations installed in response to NRC requirements at the Davis-Besse Nuclear Power Station. The specific information requested is enclosed. These questions were discussed with your staff on December 21, 1995. Please respond by February 29, 1996.

This request for information affects nine or fewer respondents and, therefore, is not subject to the Office of Management and Budget review under Public Law 96-511.

Sincerely,

Original Signed By:

Linda L. Gundrum, Project Manager Project Directorate III-3 Division of Reactor Projects III/IV Office of Nuclear Reactor Regulation

Docket No. 50-346

Enclosure: Request for Information

cc w/encl: See next page

DOCUMENT NAME: DB94335.LTR

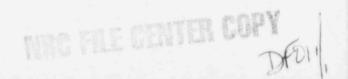
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NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

December 28, 1995

Mr. John P. Stetz Vice President - Nuclear Centerior Service Company c/o Toledo Edison Company Davis-Besse Nuclear Power Station 5501 North State Route 2 Oak Harbor, OH 43449

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Sincerely,

Linda L. Gundrum, Project Manager

Linda L. Lundrum

Project Directorate III-3

Division of Reactor Projects III/IV Office of Nuclear Reactor Regulation

Docket No. 50-346

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cc w/encl: See next page

Mr. John P. Stetz Toledo Edison Company

cc: Mary E. O'Reilly Centerior Energy Corporation 300 Madison Avenua Toledo, Ohio 43652

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Mr. John K. Wood, Plant Manager Toledo Edison Company Davis-Besse Nuclear Power Station 5501 North State Route 2 Oak Harbor, Ohio 43449 Davis-Besse Nuclear Power Station Unit No. 1

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Attorney General
Department of Attorney
General
30 East Broad Street
Columbus, Ohio 43216

Mr. James W. Harris, Director Division of Power Generation Ohio Department of Industrial Regulations P. O. Box 825 Columbus, Ohio 43216

Ohio Environmental Protection Agency DERR--Compliance Unit ATTN: Zack A. Clayton P. O. Box 1049 Columbus, Ohio 43266-0149

State of Ohio Public Utilities Commission 180 East Broad Street Columbus, Ohio 43266-0573

Mr. James R. Williams
State Liaison to the NRC
Adjutant General's Department
Office of Emergency Management Agency
2825 West Granville Road
Columbus, Ohio 43235-2712

President, Board of County Commissioners of Ottawa County Port Clinton, Ohio 43452

REQUEST FOR INFORMATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION FOR THE DAVIS-BESSE NUCLEAR POWER STATION DOCKET NO. 50-346

- Are or have there ever been additives or filler materials (e.g., lead or iron oxide) used to impart special properties (e.g., radiation protection) in the fire barrier penetration seals installed at Davis-Besse? If so, provide answers to the following questions:
 - a. What materials were used and in what types of seals?
 - b. Were controls and specifications in place to ensure that the materials were of sufficient quality (e.g., free of sulphur contamination) to preclude seal curing and cold flow problems?
 - c. How was the amount of material added to a seal controlled during installation?
 - d. Was the amount and distribution of material within the seal verified following installation? If so, how?
 - e. Would the fire harrier penetration seal inspection and surveillance procedures identify possible seal curing problems and/or cold flow conditions?
 - f. Have any cold flow conditions or seal curing problems been identified? If so, to what extent, in what types of seals, and what corrective actions were taken?
- Do the large combination fire and pressure penetration seals that were installed by Brand Industrial Services Company (BISCO) at Davis-Besse during the late 1970's still exist? If so, provide the following information:
 - a. Describe the seals and verify whether or not they consist of silicone elastomer sandwiched between silicone foam.
 - b. Provide the design information and installation documentation that verifies the material composition (i.e., silicone foam, silicone elastomer, or combination) of the seals.
 - c. Verify that the seal designs were qualified as fire rated assemblies and adequate pressure seals by appropriate tests and describe the test methods and test acceptance criteria.