Docket No. 50-346 License No. NPF-3

Serial No. 1-265



RICHARD P. CROUSE Vice President Nuclear (419) 259-5221

May 10, 1982

· · · · ·

2

Mr. James G. Keppler, Director United States Nuclear Regulatory Commission Region III 799 Roosevelt Road Glen Ellyn, Illinois 60137

Dear Mr. Keppler:

On January 19, 1981 Toledo Edison reported to the Region III Resident Inspector that water had been discovered in containment electrical penetrations at Davis-Besse Nuclear Power Station Unit No. 1. This discovery led to the issuance of an <u>immediate action letter</u> dated January 29, 1981 (Log No. 1-467) listing five items to be addressed:

All of the five items were addressed prior to the unit's return to operation on February 3, 1981 and two of the five were completed.

Item 1 Establish a program to identify the source of water found in the electrical penetrations. (This item may require long-range activities for completion.)

 $\frac{\text{Response}}{\text{Nitrogen (N}_2)} \qquad \begin{array}{l} \text{The source of the water has been identified as the} \\ \text{Nitrogen (N}_2) \text{ system used to pressurize the penetration.} \\ \text{The cryogenic N}_2 \text{ system has been disconnected from the} \\ \text{penetration and replaced by a Nitrogen Bottle and no water} \\ \text{has been detected subsequent to the change.} \end{array}$ 

Item 2 On a sampling basis, perform an insulation resistance test to verify no degradation of the electrical penetrations has occurred. These tests are to be performed in accordance with Section 5.1.5 of IEEE 317, 1971.

Response This testing was performed and the Evalts reviewed by the Resident Inspector prior to returning the unit to operation on February 3, 1981.

Item 3 Perform local leak rate testing of all 48 electrical penetrations in accordance with Appendix J of 10 CFR 50.

THE TOLEDO EDISON COMPANY 8209080330 820510 PDR ADOCK 05000346 P PDR

EDISON PLAZA 300 MADISON AVENUE

TOLEDO, OHIO 43652

Docket No. 50-346 License No. NPF-3 Serial No. 1-265 May 10, 1982 Page 2

- <u>Response</u> This testing was performed and the results reviewed by the Resident Inspector prior to returning the unit to operation on February 3, 1982.
- Item 4 Establish a method to provide assurance that the 48 electrical penetrations will remain dry and protected from moisture.
- Response This item is addressed in Toledo Edison's response to Item 1 of this letter.
- Item 5 Establish a long-term program of insulation resistance testing to verify the continued acceptability of these electrical penetrations.
- <u>Response</u> A testing program has been implemented and the results have been satisfactory.

Due to the continued good results of the overall monitoring program, Toledo Edison has determined that the replacement of the Nitrogen source to the electrical penetrations has solved the problem of moisture in the penetrations. Based upon this determination, Toledo Edison has discontinued the testing program.

Very truly yours,

Rohm

RPC:RFP:lab

cc: NRC DB-1 NRC Resident Inspector