TOLEDO EDISON

RICHARD P. CROUSE
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Docket No. 50-346

License No. NPF-3

Serial No. 1-337

March 24, 1983

Mr. Richard C. DeYoung, Director
Office of Inspection and Enforcement
United States Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. DeYoung:

This is in response to your IE Bulletin 83-04 "Failure of Undervoltage Trip Function of Reactor Trip Breakers" (Log No. 1-751) dated March 11, 1983. Toledo Edison provides the following information pertaining to the Davis-Besse Nuclear Power Station Unit No. 1.

Item 4a: Identify results of testing performed in response to Item 1. Plants without on-line testability should report the date and results of the most recent test.

Response: ST 5030.12, Channel Functional Test of the Reactor Trip Module Logic and Control Rod Drive (CRD) Trip Breaker was performed satisfactorily on March 14, 1983. This test utilizes the undervoltage trip coils.

Item 4b: Identify conformance of the maintenance program to manufacturer's recommendation and describe results of maintenance performed directly as a result of this Bulletin in response to Item 2.

Response: On August 21, 1979, Periodic Test PT 5105.02 (GE type A.K. circuit breaker Periodic Test) was approved. This test provided periodic maintenance for all of our AK breakers, including the CRD Trip Breakers. All of the recommendations of GE service advice 9.3 were incorporated into this procedure. This periodic maintenance is performed each refueling on the CRD Trip Breakers.

Maintenance Procedure MP 1405.05, (480V Breaker Maintenance) has replaced PT 5105.02 and the CRD Trip Breakers have been incorporated in the Preventive Maintenance Program on a refueling frequency.

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Item 4c: Provide a statement that provisions are in place to notify licensed operators of the Salem and San Onofre events and bring to their attention appropriate failure-to-trip emergency procedures upon their arrival on-shift.

Response: Licensed operators at Davis-Besse completed required reading on the IE Bulletin concerning the Salem and San Onofre events prior to assuming duties on their first shift following receipt of this bulletin. Those licensed operators not actually on shift completed required reading of the IE Bulletin on March 25, 1983.

Item 4d: Provide a description of all RPS breaker malfunctions not previously reported to the NRC.

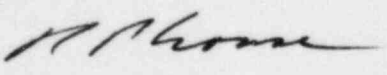
Response: At Davis-Besse, there have been three (3) malfunctions related to CRD trip breakers, not previously reported to the NRC. Each of these were failure of the Trip Confirm light to clear after the breaker was closed. On Breaker "B" on August 7, 1977, the trouble was traced to a piece of solder causing a ground on the K-1 relay. On Breaker "A" on September 28, 1979, the trouble was a defective K-1 relay. On Breaker "B" on September 1, 1982, the trouble was traced to loose linkage on the auxiliary switch that controls the K-1 relay.

Item 4e: Verify that procurement, testing and maintenance activities treat the RPS breaker and UV devices as safety related. Report the results of this verification to the NRC.

Response: Although the original procurement documentation shows that only the trip device (undervoltage coil) on the CRD breakers was purchased as Class 1E, all testing and maintenance activities are performed using Nuclear Safety Related procedures, maintenance work orders and/or surveillance tests. The CRD breakers are on the Davis-Besse Q List and all replacement parts are Q Listed. A spare CRD breaker was purchased and is stored as Class 1E equipment.

This concludes Toledo Edison's response to IE Bulletin 83-04.

Very truly yours,



RPC:RFP:lah
cc: DB-1 NRC Resident Inspector

ATOMIC ENERGY ACT OF 1954
SECTION 182a
SUBMITTAL IN RESPONSE
FOR THE
DAVIS-BESSE NUCLEAR POWER STATION
UNIT NO. 1
FACILITY OPERATING LICENSE NPF-3

This letter is submitted in conformance with Atomic Energy Act of 1954 Section 182a in response to IE Bulletin 83-04 (Log No. 1-751). This deals with Failure of the Undervoltage Trip Function of Reactor Trip Breakers.

By _____
Vice President, Nuclear

Sworn to and subscribed before me this 24th day of March, 1983.

_____
Notary Public (Brudzinski)

LAURIE A. BRUDZINSKI
Notary Public, State of Ohio
My Commission Expires May 16, 1986