

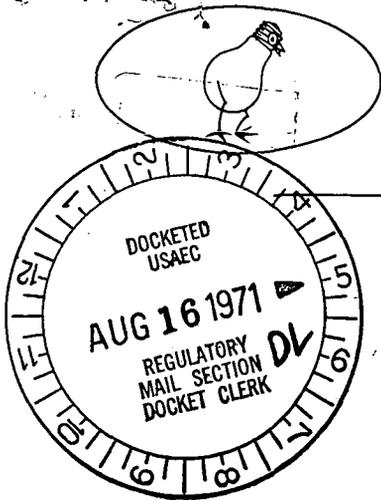
Commonwealth Edison Company

ONE FIRST NATIONAL PLAZA ★ CHICAGO, ILLINOIS

Address Reply to:

POST OFFICE BOX 767 ★ CHICAGO, ILLINOIS 60690

Dresden Nuclear Power Station
 R. R. #1
 Morris, Illinois 60450
 August 14, 1971



Dr. Peter A. Morris, Director
 Division of Reactor Licensing
 U. S. Atomic Energy Commission
 Washington, D. C. 20545

SUBJECT: LICENSE DPR-25, DRESDEN NUCLEAR POWER STATION UNIT #3, SECTION 6.6.B.3 OF THE TECHNICAL SPECIFICATIONS

Dear Dr. Morris:

This is to report a condition relating to the operation of the station wherein, during surveillance testing of the Main Steam Line Isolation Valves on August 4, 1971, scram relay 590-108A failed to drop out when deenergized.

PROBLEM, INVESTIGATION AND CORRECTIVE ACTION

Surveillance testing of main steam line isolation valves (MSIV) was being conducted on August 4, 1971, and inboard(1A) and outboard(2A) valves on "A" main steam line (MSL) had been closed and reopened. When the inboard valve on "B" MSL was closed a reactor protection system channel "A" trip was initiated and only control rod drive solenoid groups 2 and 3 deenergized. The valve was reopened and closed again with the same results. Additional operations and tests failed to duplicate the malfunction.

Investigation revealed that two malfunctions had occurred. The first was the reactor protection system channel "A" trip. Following the reopening of the inboard and outboard valves on "A" MSL, either the limit switch on one of the "A" MSL valves failed to pick up when the valve was opened, thus preventing relay 509-102A from reenergizing, or contacts 1-2 or 3-4 on relay 509-102A did not pick up. In either case, when the inboard valve on "B" MSL was opened, a trip of the reactor protection system channel "A" was initiated. Repeated testing did not duplicate the malfunction, which was in the "safe" direction, since it would not have prevented the reactor protection system from performing its intended function.

The second malfunction was the failure of scram relay 590-108A to deenergize. The relay was exercised satisfactorily once per shift until it was replaced on August 6, 1971. During replacement of the relay a "small terminal wiring clip" fell out of the relay. Further inspection revealed no information as to where the clip came from. It is probable that the wiring clip was the cause of the malfunction and that it was overlooked during the initial installation.

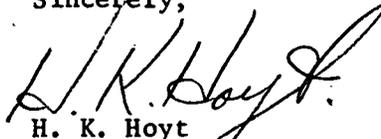
Dr. Peter Morris

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August 14, 1971

In addition to replacement of the malfunctioning relay, all the 108 and 109 relays were cleaned and exercised following cleaning to insure proper operation. No foreign materials were found during the cleaning. Following replacement of the 108A relay, it was tested satisfactorily. The main steam isolation valves were tested on August 8 and 11, 1971, with no repeat of the previous malfunctions.

Sincerely,



H. K. Hoyt
Superintendent

HKH:do

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