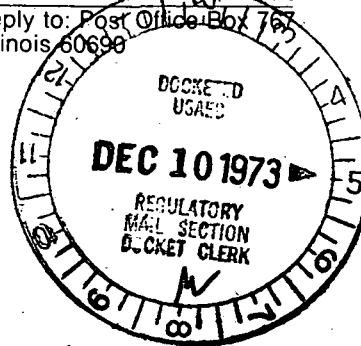




Commonwealth Edison
 One First National Plaza, Chicago, Illinois
 Address Reply to: Post Office Box 767
 Chicago, Illinois 60690

WPW Ltr.#890-73

Regulatory Docket File



Dresden Nuclear Power Station
 R. R. #1
 Morris, Illinois 60450
 December 6, 1973



Mr. J. F. O'Leary, Director
 Directorate of Licensing
 U. S. Atomic Energy Commission
 Washington, D. C. 20545

SUBJECT: LICENSE DPR-19, DRESDEN NUCLEAR POWER STATION, UNIT #2, REPORT OF ABNORMAL OCCURRENCE PER SECTION 6.6.B.1.a OF THE TECHNICAL SPECIFICATIONS.
FAILURE OF MAIN STEAM LINE DRAIN VALVE MO-2-220-2 TO OPERATE.

- References: 1) Notification of Region III of AEC Regulatory Operations
 Telephone: Mr. Maura, 1500 hours on November 28, 1973
 Telegram: Mr. J. Keppler, 1610 hours, November 28, 1973
- 2) Dwg: P & ID M-12

Dear Mr. O'Leary:

This letter is to report a condition relating to the operation of the unit at about 2300 hours on November 27, 1973. At this time, the main steam line drain isolation valve MO-2-220-2 failed to open in an attempt to drain the main steam lines prior to reactor startup. This malfunction is contrary to section 3.7.D.1 of the Technical Specifications which requires that the isolation valve shall be operable during reactor power operating conditions.

PROBLEM

At this time the reactor mode switch was in "startup". Attempts were made to open the main steam line drain isolation valve MO-2-220-2 at 2300 hours November 27 to drain the main steam lines prior to startup. These attempts were unsuccessful, the valve would not move.

INVESTIGATION

Several operating department personnel were dispatched to the valve to determine the cause of the problem. They manually operated the valve to lift the disk off its seat. The valve still would not operate in either direction when operated from the control room. Electricians were called in and found the auxiliary contacts dirty.

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CORRECTIVE ACTION

These auxiliary contacts are a self-cleaning type, which means they slide (wipe) across each other when energized or de-energized. This sliding movement keeps the contacts clean. The wiping action is adjusted by the actuating lever which was adjusted to increase the contact tension. The valve was successfully tested at 0224 hours on November 28, 3 hours 24 minutes after the valve failure occurred.

EVALUATION

This valve failure did not jeopardize the public health or safety because the valve failed in the safe direction (closed) and also because a second valve in the line was operable. This is the first time this valve failed due to dirty contacts. Continued operation was considered to be safe because there is a redundant valve in this line, with normal position being closed. There is no history of this type of malfunction on the valve.

Sincerely,

W. P. Worden AR

W. P. Worden
Superintendent
Dresden Nuclear Power Station

WPW:do