



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

BBS Ltr.#544-74



Dresden Nuclear Power Station  
R. R. #1  
Morris, Illinois 60450  
July 29, 1974

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

SUBJECT: REPORT OF UNUSUAL EVENT PER SECTION 6.6.B.2 OF THE TECHNICAL SPECIFICATIONS.  
LOW PRESSURE COOLANT INJECTION PUMP SUCTION VALVE 3-1501-5A  
FAILED TO CLOSE.

References: 1) Regulatory Guide 1.16 Rev.1 Appendix A  
2) Drawing P&ID M-360

Report Date: July 29, 1974

Occurrence Date: July 22, 1974

Facility: Dresden Nuclear Power Station, Morris, Illinois

#### IDENTIFICATION OF OCCURRENCE

During testing, LPCI pump suction valve MO-3-1501-5A failed to close.

#### CONDITIONS PRIOR TO OCCURRENCE

Prior to this time, the reactor was at power and producing 680 MWe. Testing of LPCI valves was in progress to fulfill a requirement for an upcoming diesel generator outage.

#### DESCRIPTION OF OCCURRENCE

On July 22, 1974 a close signal was supplied to valve 3-1501-5A. It came off its open seat then bound up and stopped. The valve was then opened fully and a work request was submitted to inspect and repair it.

8305230702 740729  
PDR ADDCK 05000237  
S PDR

COPY SENT REGION

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE

Upon inspection of valve 3-1501-5A it was found that the disc had overtraveled in the open direction and became cocked in the valve guides.

ANALYSIS OF OCCURRENCE

Since the valve is required to be in the open position for LPCI operability, at no time was the plant or public health and safety compromised in any way.

CORRECTIVE ACTION

The valve disc and operator were realigned in the valve guides and the valve checked for free operation. To prevent a repetition of this occurrence, the valve stroke was adjusted per vendor manual and overtravel is no longer possible.

FAILURE DATA

System Number	3-1501-5A
Manufacturer	Crane Company
Model Number	47L M R
Type	Gate
Size	14"
Operator	M.O.

Research has turned up no previous failure of this type in this system.

Sincerely,

*Arthur M Roberts*

for B. B. Stephenson  
Superintendent

BES:GIZ:do