

ATTACHMENT TO LICENSEE EVENT REPORT 78-16-03L-0
COMMONWEALTH EDISON COMPANY (CWE)
DRESDEN UNIT 2 (ILDRS-2)
DOCKET #050-237

During normal unit operations on 2/24/78 at 1530, a local leak rate test (LLRT) was performed on the volume bounded by reactor building to torus vacuum breakers 2-1601-20B&31B. The leak rate was unmeasurable and therefore in violation of the Technical Specification T.S.4.7.A.2. It was determined the leakage was through the A02-1601-20B valve. Later at 2330 hours, A02-1601-20B would not reclose during Primary Isolation Valve Surveillance DOS 1600-1. At this time a unit shutdown was in progress. Due to the failure of A02-1601-20B, the 2-1601-31B valve which is a swinging disc check valve and backs up the 20B valve, was tied closed. After repair of 20B, another LLRT was performed and the measured leakage was 2.82 SCFH. This is less than the total leakage limit for a single penetration of 29.38 SCFH. Thus only the single valve leakage limit of 29.38 SCFH was exceeded.

The A02-1601-20B valve is a 20 inch air operated butterfly valve. Upon investigation, it was found that the bolts attaching the air operator to the valve body had sheared. It is suspected that these bolts had become loose which permitted the air operator to rotate enough about the shaft to keep the valve from properly seating resulting in the excessive leakage. The bolts then completely sheared during subsequent cycling for the surveillance.

The air operator was reattached to the valve and a LLRT and the Primary Isolation Valve surveillance was performed satisfactorily. An inspection of other primary containment valves similar to 2-1601-20B was made. One other valve, 2-1601-22, was found with a loose air operator, and the bolts on this valve were tightened. On both valves, the bolts were changed from a screw head design to an allen head design to enhance the ability to tighten them. No additional corrective action is currently planned.

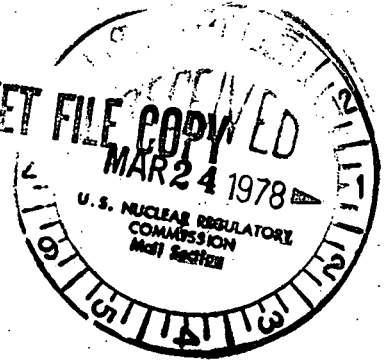


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REGULATORY DOCKET FILE



March 17, 1978

BBS LTR #289-78

James G. Keppler, Regional Director
 Directorate of Regulatory Operations - Region III
 U.S. Nuclear Regulatory Commission
 799 Roosevelt Road
 Glen Ellyn, IL 60137

Reportable Occurrence Report #78-016/03L-0, Docket#050-237 is hereby submitted to your office in accordance with Dresden Nuclear Power Station Technical Specification 6.6.B.2.(b), conditions leading to operation in a degraded mode permitted by a limiting condition for operation.

B.B. Stephenson

B.B. Stephenson
 Station Superintendent
 Dresden Nuclear Power Station

BBS:cac

Enclosure

cc: Director of Inspection & Enforcement
 Director of Management Information & Program Control
 File/NRC

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