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MRS J F OLEARY DLR, DIRECTOR, DIRECTORATE OF LICENSING

U S ATOMIC ENERGY COMMISSION

WASHINGTON 20545

SUBJECT: DPR-19 DRESDEN NUCLEAR POWER STATION UNIT 2



THIS WILL CONFIRM A CONVERSATION WITH MR MAURA OF YOUR OFFICE AT 1145 OURS THIS DATE CONCERNING BREAKER TRIP OF UNIT 2 TORUS SPRAY VALVE MO-2-1501-19B. VALVE WOULD NOT OPEN DURING ROUTINE OPERABILITY TEST. OPERATOR MANUALLY BROKE VALVE FROM SEAT. VALVE OPENED AND CLOSED NORMALLY BUT BREAKER TRIPPED WHEN ATTEMPTING TO OPEN VALVE A SECOND TIME. CAUSE IS UNDER INVESTIGATION. TRIP OCCURRED AFTER MIDNIGHT 7-22-74. ALSO DURING ROUTINE VALVE OPERABILITY TEST LPC1 MO-2-1501-22A AND MO-2-1501-22B THERMAL OVERLOADS ACTUATED WHEN ATTEMPTING TO OPEN THE VALVES. OVERLOAD RESET AND VALVES WERE CYCLED SATISFACTORILY. TRIPS OCCURRED AFTER MIDNIGHT 7-22-74. DRYWELL-TORUS VACUUM BREAKER 2-1501-33E WAS DISCOVERED TO BE BINDING DURING ROUTINE OPERABILITY CHECK 7-2-74. VALVE WAS TAKEN OUT OF SERVICE AND WIRED SHUT. DURING ROUTINE INSTRUMENT SURVEILLANCE 7-2-74 IT WAS DISCOVERED THAT PS-2-263-51A HAD DRIFTED TO A SET POINT CORRESPONDING TO A REACTOR PRESSURE OF 604PSI. THE SWITCH IS REQUIRED TO OPERATE AT LESS THAN 600PSI TO SCRAM THE REACTOR IF MAIN STEAM ISOLATION VALVES ARE NOT FULLY OPEN OR CONDENSOR VACUUM IS NOT ABOVE 23 INCHES HG. PRIOR TO THE

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COPY SENT REGION

REACTOR REACHING 600PSI INSTRUMENT MECHANICS RESET TO A  
VALVE CORRESPONDING TO 500PSI  
ALSO DURING ROUTINE INSTRUMENT SURVEILLANCE 7-2-74 IT WAS  
DISCOVERED THAT THE PRESSURE SWITCH PS-504C HAD DRAFTED TO A  
POINT SLIGHTLY HIGHER THAN CORRESPONDING TO A TURBINE FIRST  
STAGE PRESSURE FOR 45 PERCENT STEAM FLOW. THIS WOULD HAVE  
PERMITTED A REACTOR SCRAM IN THE EVENT OF A TURBINE TRIP  
AT GREATER THAN 45 PERCENT LOAD. INSTRUMENT MECHANICS  
IMMEDIATELY RESET

PRESSURE SWITCH TO VALVE CORRESPONDING TO LESS THAN 45  
PERCENT STEAM FLOW

B B STEPHENSON SUPERINTENDENT  
DRESDEN NUCLEAR POWER STATION  
COMMONWEALTH EDISON COMPANY

REL  
MORRIS ILLINOIS 60450  
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URGENT UNION INCOMING

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