NRC FORM 366 (12-81) APPROVED BY OME U.S. NUCLEAR REGULATORY COMMISSION LICENSEE EVENT REPORT 3150-0011 EXPIRES 4-30-82 CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) P A S E S 1 0 0 0 0 0 0 0 - 0 0 3 4 1 0 1 (2) 111 1(4) LICENSEE CODE CON'T SOURCE 5 0 0 0 3 8 7 0 0 1 1 0 1 LOD 3 8 0 2 1 1 3 8 EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) During the Startup Test Program, the "A" Reactor Recirculation Pump tripped 0 2 off and was declared inoperable. This is reportable per 6.9.1.9.b. 0 3 There 0 4 were no adverse consequences in that the applicable action statement was 0 5 entered. The recirculation loop was returned to service prior to the 12 0 6 hour shutdown limit being reached. 0 7 0 8 CODE CAUSE CAUSE COMP. VALVE COMPONENT CODE A (13) (12 (15) 0 9 B F Z E S CODE SEQUENTIAL REPORT REVISION NO. VENT YEAP LER/RO REPORT NUMBER 8 3 13 (17) 0 11 2 10 0 24 2.8 31 32 EFFECT HOURS 22 ATTACHMENT NPRD-4 PRIME COMP FUTURE SHUTDOWN COMPONENT ACTION ER (26) MANUFACTU METHOD ACTION TAKEN N 24 Z 20 Y 23 Z 21 N (25) 18 X 0 10 0 0 0 8 (19) G 0 A CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) The pump tripped because of a defective transformer that had a shorted 1 0 secondary. The transformer was replaced and the pump was returned to service. 1 No future corrective action is planned because of the isolated nature of this 3 event. Should the event recur, other actions may be warranted. 1 4 FACILITY METHOD OF (30) S POWER OTHER STATUS DISCOVERY DESCRIPTION |B | 28 | 0 | 7 | 5 | 29 A (31) operator observation n/a 10 12 ACTIVITY CONTENT (35) LOCATION OF RELEASE (36) AMOUNT OF ACTIVITY Z 33 Z 34 6 n/a n/a 11 NUMBER TYPE DESCRIPTION 0 0 0 37 38 n/a 11 RD PERSONNEL INJURIES NUMBER 0 0 0 0 n/a 1 8 1.1 LOSS OF OR DAMAGE TO FACILITY Z (42) 1 9 n/a PUBLICITY ISSUED DESCRIPTION (45) NRC USE ONLY Y A Recirculation Pump tripped causing runback 0 PHONE: (717) 542-2181 X 3524 D.G. Mitchell NAME OF PREPARER 8302220404 830211 PDR ADOCK 05000387 PDR 5

## Attachment

## Licensee Event Report 83-012/03L-0

During the Startup Test Program, the "A" Reactor Recirculation Pump tripped due to a blown fuse in the generator field. Approximately 8 hours later, while attempting to restart the "A" pump the replaced fuse blew again. Both cases resulted in entrance into Specification 3.4.1.1 action a, which is reportable per 6.9.1.9.b. There were no adverse consequences, in that, the pump was operable before shutdown was required.

After the first fuse failure, the circuitry was checked for shorts and grounds. No defects were found, the fuse was replaced, and the pump returned to service. Upon determination that the pump would not restart, a review was made by the electrical test and maintenance personnel. To accurately troubleshoot the problem, which appeared to be intermittent, it was determined the pump should be placed inservice while the electrical parameters were monitored. The fuse was again replaced, and upon attempting to restart the pump, the fuse blew.

During the circuit check following the second failure, the fault was traced to a defective transformer which had a shorted secondary. A new transformer was installed after being tested and the pump was declared operable and was returned to service. During the preparation of this LER, two additional recirculation pump trips occurred, one of which is reportable. Upon completion of the resolution, a revision to this LER will be submitted.

The transformer replacement was performed under the Work Authorization program. Future failures will be noted on this tracking system and excessive similiar failures will initiate a further review.