

REVISED REPORT - PREVIOUS REPORT DATE 12/26/80

NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

EXHIBIT A

CONTROL BLOCK: 1 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 A R A N O 2 00-000000-00 41111 4 5
7 8 9 14 15 25 26 30 57 CAT 58

CON'T
01 L 05000368 120580 071681
7 8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10
02 During Mode 2 operation, with plant cooldown in progress, steam generator
03 levels began decreasing and it was observed that the electric driven
04 emergency feedwater pump, 2P7B, indicated no flow or discharge pressure.
05 The pump was being used for normal feedwater supply per normal cooldown
06 procedures. The steam driven EFW pump and condensate pumps were used to
07 complete the cooldown. Following repair, testing indicated that the pump
08 had reduced capacity and additional analysis was performed to (cont.)
7 8 9 80

09 H H E B P U M P I X I X B X
7 8 9 10 11 12 13 14 15 16 17 18 19 20

17 80 1 0819 03 X 1
21 22 23 24 25 26 27 28 29 30 31 32

ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPD-4 FORM SUR PRIME COMP SUPPLIER COMPONENT MANUFACTURER
D Z C Z 0000 Y Y A B 5810
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27
10 Investigation revealed that the loss of feedwater flow was due to a failed
11 pump shaft. The shaft failure was caused by heat stress due to a failure
12 of the radial & thrust bearings, which was due to contamination of bearing
13 lube oil with water. The water apparently entered the lube oil reservoir
14 due to packing leakage at the shaft seal stuffing boxes. (cont.)
7 8 9 80

FACILITY STATUS % POWER OTHER STATUS 30 METHOD OF DISCOVERY 31 DISCOVERY DESCRIPTION 32
D 0000 NA A Operator Observation
7 8 9 10 11 12 13 44 45 46 80

ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY 35 LOCATION OF RELEASE 36
Z NA NA
7 8 9 10 11 44 45 80

PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION 39
0000 Z NA
7 8 9 10 11 12 13 80

PERSONNEL INJURIES NUMBER DESCRIPTION 41
0000 NA
7 8 9 10 11 12 80

LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION 43
Z Emergency Feedwater Pump Inoperable
7 8 9 10 80

PUBLICITY ISSUED DESCRIPTION 45
N NA
7 8 9 10 80

NAME OF PREPARER Thomas H. Cogburn PHONE 501/968-2519
7 8 9 10 80

6108110071 810716
PDR ADOCK 05000368
S PDR

LER 80-089/03X-1 (cont)

EVENT DESCRIPTION AND PROBABLY CONSEQUENCES:

verify adequacy of EFW flow rate per safety analysis criteria. The pump was returned to service and the plant was returned to full power operation. There have been no similar occurrences. Reportable per T.S. 5.9.1.9.b.

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS:

During the 1981 refueling, the pump was removed from the plant and returned to Byron-Jackson, Inc. for refurbishment. Also, during this outage the pump and its sister component 2P7A were fitted with mechanical seals to reduce the likelihood of future contamination of bearing lube oil with water. Following the 1981 refueling outage, the pump was retested and the pump's original capacity was found to be restored.