

LICENSEE EVENT REPORT

CONTROL BLOCK: 1										(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)									
0 1 1 1 Q A D 1 2 0 0 0 - 0 0 0 - 0 0 0 3 4 1 1 1 1 4										5									
7 8 9 14 15 25 26 30 37 CAT 58																			
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0 1										REPORT SOURCE L 6 0 5 0 0 0 2 5 4 7 0 8 0 5 8 0 8 1 1 5 8 0 9									
7 8 60 61 68 69 74 75 80																			
EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10																			
0 2										At 2025 on August 5, 1980, with Unit One at 486 MWe and Unit Two at 698 MWe, the									
0 3										Main Chimney Off Gas Sample pump tripped. The backup pump also tripped when placed									
0 4										in service. The steam jet air ejector monitors and the continuous air monitors									
0 5										were operable. Tech Spec 3.8.G.2. was satisfied, thus safe reactor operation and									
0 6										public safety were not affected.									
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SYSTEM CODE										CAUSE CODE									
M C 11										E 12									
9 10										11 12									
CAUSE SUBCODE										COMPONENT CODE									
B 13										P U M P X X 14									
12 13										18 19									
COMP. SUBCODE										VALVE SUBCODE									
H 15										Z 16									
19 20										21 22									
LER/RO REPORT NUMBER										EVENT YEAR									
17 8 0										21 22									
23										24 25									
SEQUENTIAL REPORT NO.										O C C U R R E N C E CODE									
0 1 8										0 3									
27 28 29										30 31									
REPORT TYPE										REVISION NO.									
L										0									
32										33 34									
ACTION TAKEN										FUTURE ACTION									
C 18										C 19									
35 36										37 38									
EFFECT ON PLANT										SHUTDOWN METHOD									
Z 20										Z 21									
39 40										41 42									
HOURS										ATTACHMENT SUBMITTED									
0 0 0 0										Y 23									
43 44										45 46									
NPRO-4 FORM SUB.										PRIME COMP. SUPPLIER									
N 24										X 25									
47 48										49 50									
COMPONENT MANUFACTURER										D 1 8 1 26									
44 45 46 47																			
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27																			
1 0										The cause of both pumps tripping was equipment failure. Excessive rotor wear									
1 1										caused the loose rotor to become wedged against the pump casing. The primary									
1 2										pump was replaced with a new one. The secondary pump was rebuilt and replaced.									
1 3																			
1 4																			
FACILITY STATUS										% POWER									
1 5 E 28										0 6 0 29									
7 8 9 10 11 12 13										OTHER STATUS 30									
13										NA 44									
METHOD OF DISCOVERY										DISCOVERY DESCRIPTION 32									
1 6 A 31										Operational Event 80									
45 46										47 48									
ACTIVITY CONTENT										AMOUNT OF ACTIVITY 35									
1 7 Z 33										Z 34									
7 8 9 10 11 12 13										44 45									
RELEASED OF RELEASE										LOCATION OF RELEASE 36									
1 8 Z 33										NA 80									
7 8 9 10 11 12 13										44 45									
PERSONNEL EXPOSURES										DESCRIPTION 39									
1 9 0 0 0 37										Z 38									
7 8 9 10 11 12 13										44 45									
PERSONNEL INJURIES										DESCRIPTION 41									
1 0 0 0 40										NA 80									
7 8 9 10 11 12 13										44 45									
LOSS OF OR DAMAGE TO FACILITY										DESCRIPTION 43									
1 1 Z 42										NA 80									
7 8 9 10 11 12 13										44 45									
PUBLCITY										NRC USE ONLY									
1 2 N 44										NA 80									
7 8 9 10 11 12 13										44 45									
ISSUED DESCRIPTION 45										NAME OF PREPARER 8009080427 T. Hafera									
2 0 N 44										PHONE: 309-654-2241, ext. 176									
7 8 9 10 11 12 13										68 69 80									

I. LER NUMBER: LER/RO 80-18/03L

II. LICENSEE NAME: Commonwealth Edison Company
Quad-Cities Nuclear Power Station

III. FACILITY NAME: Unit One

IV. DOCKET NUMBER: 050-254

V. EVENT DESCRIPTION:

At 2025 on August 5, 1980, with both units in steady state operation at 486 and 698 MWe, respectively for Unit One and Unit Two, the Main Chimney Off Gas Sample Pump tripped. When the backup off gas sample pump was started it tripped also. This produced a low flow alarm to the main chimney monitor.

VI. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

The Steam Jet Air Ejector monitors and the continuous air monitors were operable during this period. Technical Specification 3.8.G.2. was satisfied, thus safe reactor operation and the public safety were not affected.

VII. CAUSE:

The cause of this malfunction has been designated as equipment failure. The vanes on the pump rotors had become overly worn and loose to the point where they became wedged between the pump rotor and pump casing, causing the pump to trip. This was found to be the case for both the sample pump and the backup sample pump.

VIII. CORRECTIVE ACTION:

Work Request Q06924 was immediately written to repair the sample pumps. The primary sample pump was replaced with a new pump and the backup sample pump was rebuilt and replaced. This pump is manufactured by Doerr Electric Corporation, and this is the first occurrence of this type involving this component.