

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

0 1 P A S E S I 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 38 39

CON'T

0 1 REPORT SOURCE L 6 0 5 0 0 0 3 8 7 7 0 7 2 4 8 3 8 0 8 2 3 8 3 9  
7 8 60 61 66 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

0 2 RCIC was running in support of spray pond testing when the condensate and vacuum  
0 3 pump motors for the RCIC barometric condenser tripped. The barometric condenser  
0 4 cools and condenses small amounts of RCIC steam from several sources. RCIC is not  
0 5 an Emergency Core Cooling System (ECCS) and is not required for a safe shutdown.  
0 6 There were no adverse consequences to public health and safety.  
0 7  
0 8

0 9 SYSTEM CODE C E 11 CAUSE CODE E 12 CAUSE SUBCODE A 13 COMPONENT CODE M O T O R X 14 COMP. SUBCODE Z 15 VALVE SUBCODE Z 16  
7 8 9 10 11 12 13 18 19 20  
17 LER/RO REPORT NUMBER 8 3 21 22 SHUTDOWN METHOD [ ] 23 SEQUENTIAL REPORT NO. 1 0 9 24 OCCURRENCE CODE [ ] 25 REPORT TYPE L 26 REVISION NO. 0 27  
18 ACTION TAKEN D 18 19 FUTURE ACTION Z 19 20 EFFECT ON PLANT Z 20 21 SHUTDOWN METHOD Z 21 22 HOURS 0 0 0 0 23 ATTACHMENT SUBMITTED Y 23 24 NPRD-4 FORM SUB. N 24 25 PRIME COMP. SUPPLIER N 25 26 COMPONENT MANUFACTURER R 1 6 5 26  
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

1 0 The condensate pump motor commutator was found to have open circuit connections  
1 1 attributed to natural wear. When the condensate pump failed water level rose in  
1 2 the barometric condenser. The vacuum pump which is not designed to pump excessive  
1 3 amounts of water tripped on thermal overload. The condensate motor was reworked  
1 4 and replaced. The vacuum pump overloads reset and the system tested.

1 5 FACILITY STATUS E 28 29 % POWER 0 6 1 29 OTHER STATUS N/A 30 METHOD OF DISCOVERY B 31 32 DISCOVERY DESCRIPTION Observation  
7 8 9 10 12 13 44 45 46 80

1 6 ACTIVITY CONTENT RELEASED OF RELEASE Z 33 34 AMOUNT OF ACTIVITY NA 35 LOCATION OF RELEASE NA 36  
7 8 9 10 11 44 45 80

1 7 PERSONNEL EXPOSURES NUMBER 0 0 0 37 38 TYPE Z 38 DESCRIPTION NA 39  
7 8 9 11 12 13 80

1 8 PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION NA 41  
7 8 9 11 12 80

1 9 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION NA 43  
7 8 9 10 80

2 0 PUBLICITY ISSUED N 44 DESCRIPTION NA 45  
7 8 9 10 80

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PDR ADOCK 05000387  
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NRC USE ONLY

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ATTACHMENT

LER # 83-109/03L-0

Pennsylvania Power & Light Company  
Susquehanna Steam Electric Station  
Docket Number: 50-387

The barometric condenser cools and condenses small amounts of RCIC steam from several turbine-related sources. RCIC steam used to drive the RCIC turbine is not condensed in the barometric condenser. The barometric condenser receives steam from the RCIC turbine gland seals, stop valve drains, governor valve leak-off and exhaust line drain pot. This steam is condensed in the barometric condenser by spraying relatively cool water from the RCIC pump discharge line into the barometric condenser through a series of spray nozzles. Condensate and non-condensable gases are collected in the vacuum tank. The condensate pump automatically maintains vacuum tank condensate level by periodically pumping excess condensate to the RCIC pump suction line. Non-condensable gases are transferred to the suppression pool by the vacuum pump which continuously maintains a negative pressure in the vacuum tank.



Pennsylvania Power & Light Company

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August 23, 1983

Dr. Thomas E. Murley  
Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

SUSQUEHANNA STEAM ELECTRIC STATION  
LICENSEE EVENT REPORT 83-109/03L-0  
ER 100450 FILE 841-23  
PLA-1804

Docket No. 50-387  
License No. NPF-14

Dear Dr. Murley:

Attached is Licensee Event Report No. 83-109/03L-0. This event was determined to be reportable per Technical Specification 6.9.1.9.b, in that the condensate and vacuum pump motors on the Reactor Core Isolation Cooling (RCIC) system barometric condenser tripped. RCIC system was running in support of a spray pond test at the time. The system has been restored and successfully retested.

H.W. Keiser  
Superintendent of Plant-Susquehanna

APP/pjg

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