

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
Susquehanna Steam Electric Station - Unit 2DOCKET NUMBER (2)
0 5 0 0 0 3 8 8PAGE (3)
1 OF 0 2TITLE (4)
Vacuum Breaker Dual IndicationEVENT DATE (5)
MONTH DAY YEAR
0 6 1 1 8 4 8 4

LER NUMBER (6)

SEQUENTIAL NUMBER

REVISION NUMBER

REPORT DATE (7)

MONTH DAY YEAR

0 0 9 0 0 0 7 1 1 8 4

OTHER FACILITIES INVOLVED (8)

FACILITY NAMES

DOCKET NUMBER(S)

0 5 0 0 0

0 5 0 0 0

OPERATING MODE (9)
2POWER LEVEL (10)
0 10 10

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)

20.402(b)

20.406(c)

50.73(a)(2)(iv)

73.71(b)

20.406(a)(1)(i)

50.36(e)(1)

50.73(a)(2)(v)

73.71(c)

20.406(a)(1)(ii)

50.36(e)(2)

50.73(a)(2)(vii)

OTHER (Specify in Abstract below and in Text, NRC Form 365A)

20.406(a)(1)(iii)

50.73(a)(2)(ii)

50.73(a)(2)(viii)(A)

20.406(a)(1)(iv)

50.73(a)(2)(iii)

50.73(a)(2)(viii)(B)

20.406(a)(1)(v)

50.73(a)(2)(iii)

50.73(a)(2)(x)

LICENSEE CONTACT FOR THIS LER (12)

NAME
L.A. Kuczynski - Nuclear Plant Specialist III

TELEPHONE NUMBER

AREA CODE

7 1 1 7 5 1 4 2 1 - 1 3 7 1 5 1 9

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE SYSTEM COMPONENT MANUFACTURER REPORTABLE TO NRC
B BIF 1 1 3 1 3 M 1 3 1 0 1 2 N

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO
X

EXPECTED SUBMISSION DATE (15)

MONTH DAY YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

During the performance of a 31-day operability check of the ten suppression chamber-drywell vacuum breakers, dual position indication was received for one breaker and the CONTAINMENT VACUUM BREAKER DIV 1 OPEN alarm was received. Limiting Condition for Operation 3.6.4 was entered and ACTION statement b carried out. In anticipation of suppression chamber entry to correct the position indication equipment the unit was shut down. The vacuum breaker's limit switch actuating bolts were adjusted to yield correct breaker CLOSED indication. All vacuum breakers were retested successfully.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1) Susquehanna Steam Electric Station Unit 2	DOCKET NUMBER (2) 0 5 0 0 0 3 8 8 8 4 - 0 0 9 - 0 0	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
					0 2	OF	0 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

On June 11, 1984, dual (OPEN and CLOSED) position indication was received from one outboard suppression chamber-drywell vacuum breaker during the performance of the breaker's regularly scheduled 31-day operability check. The CONTAINMENT VACUUM BREAKER DIV. 1 OPEN alarm also annunciated. (The unit was in its low power testing phase (reactor power 45%) during this event.) Limiting Condition for Operation (LCO) 3.6.4 was entered and the inboard vacuum breaker in the pair verified closed. In anticipation of a suppression chamber entry to examine the vacuum breaker's position indication components the reactor was then taken subcritical and the reactor mode switch placed in shutdown.

Upon suppression chamber entry, the outboard vacuum breaker was found fully closed. Examination of the plunger-type limit switches which give the breaker's CLOSED indication found that the actuating bolts did not travel far enough to actuate the limit switch. The bolts were adjusted to give proper indication, and the vacuum breaker was stroked several times to verify that correct indication was generated. The operability check was reperformed successfully and the LCO was cleared.

All of the plunger-type limit switches were calibrated on April 11, 1984 and had worked properly during operability checks run on April 15 and May 12. Most probable cause for retraction of the actuating bolts is loose locking nuts. If the locking nuts were not fully tightened, the bolts may have traveled inward with each valve cycle to the point where, when the operability check was run on June 11, improper indication resulted. There were no safety implications to this event in that the affected breaker remained in its proper CLOSED position and would have operated properly if required.



Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101 • 215 / 770-5151

July 11, 1984

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 84-009-00
ER 100450 FILE 841-23
PLA-2251

Docket No. 50-388
License No. NPF-22

Attached is Licensee Event Report 84-009-00. This event was determined reportable per 10CFR50.73(a)(2)(i) in that the unit was shutdown in anticipation of an unscheduled suppression chamber entry to repair faulty vacuum breaker position indication.

H.W. Keiser
Superintendent of Plant-Susquehanna

LAK/pjg

cc: Dr. Thomas E. Murley
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