

# CATEGORY 1

REGULATOR INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9611050328      DOC. DATE: 96/10/30      NOTARIZED: NO      DOCKET #  
 FACIL: 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylvania      05000388  
 AUTH. NAME      AUTHOR AFFILIATION  
 CODDINGTON, C.T.      Pennsylvania Power & Light Co.  
 KUCZYNSKI, G.J.      Pennsylvania Power & Light Co.  
 RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: LER 96-008-00: on 961008, LOCA/LOOP testing occurred. Caused by alternate power supplies for those load groups being inhibited. PP&L has submitted an amend to current Unit 2 TS. W/961030 ltr.

DISTRIBUTION CODE: IE22T      COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4  
 TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

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EXTERNAL:	L ST LOBBY WARD		1	1	LITCO BRYCE, J H		1	1
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**Pennsylvania Power & Light Company**

Two North Ninth Street • Allentown, PA 18101-1179 • 610/774-5151

October 30, 1996

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
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SUSQUEHANNA STEAM ELECTRIC STATION  
LICENSEE EVENT REPORT 50-388/96-008-00  
PLAS - 687 FILE R41-2

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

Attached is Licensee Event Report 50-388/96-008-00. This report is being made pursuant to 10CFR50.73(a)(2)(i)(B), in that Susquehanna SES Unit 2 was in a condition prohibited by the plant's Technical Specifications as a result of entry into LCO ACTION 3.0.3 during performance of the 18 month LOCA/LOOP surveillance testing on Unit 1.

  
G. J. Kuczyński  
Plant Manager - Susquehanna SES

Attachment

cc: Mr. H. J. Miller  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

Mr. Kenneth M. Jenison  
Sr. Resident Inspector  
U. S. Nuclear Regulatory Commission  
P. O. Box 35  
Berwick, PA 18603-0035

*JE221*

9611050328 961030  
PDR ADOCK 05000388  
S PDR

050029

LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1) Susquehanna Steam Electric Station - Unit 2										DOCKET NUMBER(2) 0 5 0 0 0 3 8 8 1				PAGE (3) OF 0 3	
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TITLE (4)  
LOCA/LOOP Testing

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)												
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES			DOCKET NUMBER(S)									
1	0	8	9	6	0	0	8	0	0	1	0	3	0	9	6	SSES - Unit 1			0 5 0 0 0 3 8 7		
										0 5 0 0 0											

OPERATING MODE (9) 1

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

20.402(b)	<input type="checkbox"/>	20.405(c)	<input type="checkbox"/>	50.73(a)(2)(v)	<input type="checkbox"/>	73.71(b)	<input type="checkbox"/>
20.405(a)(1)(X)	<input type="checkbox"/>	50.36(c)(1)	<input type="checkbox"/>	50.73(a)(2)(v)	<input type="checkbox"/>	73.71(c)	<input type="checkbox"/>
20.405(a)(1)(X)(I)	<input type="checkbox"/>	50.36(c)(2)	<input type="checkbox"/>	50.73(a)(2)(vi)	<input type="checkbox"/>	OTHER (Specify in Abstract below and in Text, NRC Form 366A)	
20.405(a)(1)(X)(II)	<input checked="" type="checkbox"/>	50.73(a)(2)(X)	<input type="checkbox"/>	50.73(a)(2)(vii)(A)	<input type="checkbox"/>		
20.405(a)(1)(v)	<input type="checkbox"/>	50.73(a)(2)(I)	<input type="checkbox"/>	50.73(1)(2)(vi)(B)	<input type="checkbox"/>		
20.405(a)(1)(v)	<input type="checkbox"/>	50.73(a)(2)(II)	<input type="checkbox"/>	50.73(a)(2)(x)	<input type="checkbox"/>		

(LICENSEE CONTACT FOR THIS LER (12))

NAME Cornelius T. Coddington - Sr. Project Engineer, Licensing		TELEPHONE NUMBER	
		AREA CODE	
		7 1 7	5 4 2 - 3 2 8 9

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)

YES (if yes, complete EXPECTED SUBMISSION DATE)  NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

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

At 1740 hours on October 8, 1996 with Unit 2 in Condition 1 (Power Operation) at 100% power and at 2328 hours on October 9, 1996 with Unit 2 in Condition 1 (Power Operation) at 80% power, 18 month surveillance tests SE-124-107 (Division I) and SE-124-207 (Division II), '18 Month Emergency Diesel Generators (EDG) Auto Start and ESS Buses Energization on Loss of Offsite Power With a LOCA - Plant Shutdown', were being performed for their respective divisions on Unit 1, which was in Condition 5 (Refueling) at 0% power. As part of this testing, the alternate power supplies to the subject division's ESS Buses (two load groups) are inhibited. With the alternate power supplies inhibited, the subject ESS Buses (two load groups) are considered not energized per Technical Specification 3.8.3. Since Unit 2 Technical Specification 3.8.3.1 requires that the Unit 1 load groups remain energized for common A.C. distribution system loads and only contains provisions for one (1) load group not energized, entry into LCO ACTION 3.0.3 on Unit 2 was required during each division's testing. PP&L has submitted an amendment to the current Unit 2 Technical Specifications to eliminate the need for entry into LCO ACTION 3.0.3 when conducting this testing. The Improved Technical Specification submittal contains provisions for having more than one (1) Unit 1 load group not energized at the same time without entering LCO ACTION 3.0.3.



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**LICENSEE EVENT REPORT (LER)  
TEXT CONTINUATION**

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

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

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

**EVENT DESCRIPTION**

At 1740 hours on October 8, 1996 with Unit 2 in Condition 1 (Power Operation) at 100% power and at 2328 hours on October 9, 1996 with Unit 2 in Condition 1 (Power Operation) at 80% power, 18 month surveillance tests SE-124-107 (Division I) and SE-124-207 (Division II), 18 Month Emergency Diesel Generators (EDG; EIS Code: EK) Auto Start and ESS Buses (EIS Code: EB) Energization on Loss of Offsite Power With a LOCA - Plant Shutdown, were being performed for their respective divisions on Unit 1, which was in Condition 5 (Refueling) at 0% power. As part of this testing, the alternate power supplies to the subject division's ESS Buses (two load groups) are inhibited. With the alternate power supplies inhibited, the subject ESS Buses (two load groups) are considered not energized per Technical Specification 3.8.3. Since Unit 2 Technical Specification 3.8.3.1 requires that the Unit 1 load groups remain energized for common A.C. distribution system loads and only contains provisions for one (1) load group not energized, entry into LCO ACTION 3.0.3 on Unit 2 was required during each division's testing.

**CAUSE OF EVENT**

The need to enter LCO ACTION 3.0.3 on Unit 2 was a result of 18 month surveillance testing being performed on Unit 1 during its ninth refueling outage. The testing resulted in two (2) ESS load groups per division on Unit 1 being considered not energized per Technical Specification 3.8.3 during each division's test due to the alternate power supplies for those load groups being inhibited. Since Unit 2 Technical Specification 3.8.3.1 requires that the Unit 1 ESS load groups remain energized for common A.C. distribution system loads and only contains provisions for one (1) load group being not energized, entry into LCO ACTION 3.0.3 on Unit 2 was required during each division's testing

**REPORTABILITY/ANALYSIS**

This event was determined to be reportable per 10CFR50.73(a)(2)(i)(B) as a condition prohibited by the plant's Technical Specifications in that Technical Specification LCO ACTION 3.0.3 was entered on Unit 2 during performance of an 18 month surveillance test on Unit 1. Each division's test resulted in two (2) ESS load groups on Unit 1 being considered not energized per Technical Specification 3.8.3 due to the alternate power supplies for those load groups being inhibited. Since Unit 2 Technical Specification 3.8.3.1 requires that the Unit 1 ESS load groups remain energized for common A.C. distribution system loads and only contains provisions for one (1) load group being not energized, entry into LCO ACTION 3.0.3 on Unit 2 was required during each division's testing.

FACILITY NAME (1)  Unit 2  Susquehanna Steam Electric Station	DOCKET NUMBER (2)  0   5   0   0   0   3   8   8	LER NUMBER (6)	PAGE (3)													
		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:10%;">YEAR</th> <th style="width:10%;"></th> <th style="width:10%;">SEQUENTIAL NUMBER</th> <th style="width:10%;"></th> <th style="width:10%;">REVISION NUMBER</th> </tr> <tr> <td style="text-align: center;">9   6</td> <td style="text-align: center;">—</td> <td style="text-align: center;">0   0   8</td> <td style="text-align: center;">—</td> <td style="text-align: center;">0   0</td> </tr> </table>	YEAR		SEQUENTIAL NUMBER		REVISION NUMBER	9   6	—	0   0   8	—	0   0	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%; text-align: center;">3</td> <td style="width:10%; text-align: center;">OF</td> <td style="width:10%; text-align: center;">3</td> </tr> </table>	3	OF	3
YEAR		SEQUENTIAL NUMBER		REVISION NUMBER												
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3	OF	3														

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

Although the Technical Specifications require considering the load groups as not energized when the alternate power supplies to the ESS buses are inhibited during surveillance testing, the load groups remained energized during the time that LCO ACTION 3.0.3 was in effect, except for the testing time period (less than 10 seconds) from bus deenergization to reenergization by the EDGs. As such, there was no significant degradation in the plant's ability to protect the health and safety of the public and/or plant personnel. Technical Specification LCO ACTION 3.0.3 was applicable from 1740 hours to 1835 hours on October 8, 1996, and from 2328 hours on October 9, 1996, to 0035 hours on October 10, 1996.

In accordance with the guidance provided in NUREG 1022 Supplement 1, item 14.1, the required submission date for this report was determined to be November 7, 1996.

**CORRECTIVE ACTIONS**

PP&L has submitted an amendment to the current Unit 2 Technical Specifications to eliminate the need for entry into LCO ACTION 3.0.3 for conducting this testing.

**ADDITIONAL INFORMATION**

Past Similar Events:    LER 94-001-00    Docket No. 50-388    License No. NPF-22  
                                   LER 95-006-00    Docket No. 50-388    License No. NPF-22

Failed Component:    None