

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Susquehanna Steam Electric Station - Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 8 7	PAGE (3) 1 OF 0 2
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TITLE (4)  
Missed Chemistry Samples Due to Faulty Communication.

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)																																			
0 9	0 9	8 4	8 4	0 4 1	0 0	1 0	1 2	8 4			0 5 0 0 0																																			
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">OPERATING MODE (9) 1</td> <td colspan="11">THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)</td> </tr> <tr> <td rowspan="5">POWER LEVEL (10) 1 0 0</td> <td>20.402(b)</td> <td>20.406(e)</td> <td>80.73(a)(2)(iv)</td> <td>73.71(b)</td> </tr> <tr> <td>20.406(a)(1)(i)</td> <td>80.38(a)(1)</td> <td>80.73(a)(2)(v)</td> <td>73.71(e)</td> </tr> <tr> <td>20.406(a)(1)(ii)</td> <td>80.38(a)(2)</td> <td>80.73(a)(2)(vii)</td> <td rowspan="3">OTHER (Specify in Abstract below and in Text, NRC Form 305A)</td> </tr> <tr> <td>20.406(a)(1)(iii)</td> <td>X 80.73(a)(2)(i)</td> <td>80.73(a)(2)(viii)(A)</td> </tr> <tr> <td>20.406(a)(1)(iv)</td> <td>80.73(a)(2)(ii)</td> <td>80.73(a)(2)(viii)(B)</td> </tr> <tr> <td>20.406(a)(1)(v)</td> <td>80.73(a)(2)(iii)</td> <td>80.73(a)(2)(ix)</td> <td></td> </tr> </table>												OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)											POWER LEVEL (10) 1 0 0	20.402(b)	20.406(e)	80.73(a)(2)(iv)	73.71(b)	20.406(a)(1)(i)	80.38(a)(1)	80.73(a)(2)(v)	73.71(e)	20.406(a)(1)(ii)	80.38(a)(2)	80.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 305A)	20.406(a)(1)(iii)	X 80.73(a)(2)(i)	80.73(a)(2)(viii)(A)	20.406(a)(1)(iv)	80.73(a)(2)(ii)	80.73(a)(2)(viii)(B)	20.406(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(ix)	
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LICENSEE CONTACT FOR THIS LER (12)

NAME L.A. Kuczynski - Nuclear Plant Specialist III	TELEPHONE NUMBER AREA CODE: 7 1 1 7 5 4 2 1 - 1 3 7 5 1 9
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS
A	*	*	*	N					

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)

The appropriate chemistry sampling was not performed within the time limits specified by Technical Specifications following four (4) instances of reactor thermal power changes of greater than 15% in one hour. A letter has been sent to each member of Operation's Shift Supervision emphasizing the importance of proper notification to the Chemistry Group when a 15% reactor power change occurs within one hour. Additionally, the General Operating Procedures for Power Operation for both Unit 1 and Unit 2 will be changed to require notification of Chemistry for power changes greater than 15% within one hour.

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\*Not Applicable.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Susquehanna Steam Electric Station Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 8 7	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 4	- 0 4 1	- 0 0	0 2	OF 0 2

TEXT (if more space is required, use additional NRC Form 305A's) (17)

On September 4, 1984, the Turbine Building System Particulate, Iodine and Noble Gas (SPING) monitor was taken out of service due to a failed controller. Alternate monitoring equipment was placed in service. (See LER 84-039.)

On September 9, 1984, reactor power was reduced from 100% to 70% to implement control rod pattern changes. Power was increased to 85% and remained there during a resin changeout in one of the condensate demineralizer. Following the changeout, power was gradually returned to 100%. Each of the first two power changes were accomplished within one hour. Operations personnel notified the Chemistry Group of the power changes and directed that sampling per Technical Specification 3.4.5 be performed. Due to Operator (licensed, utility) oversight, the actions to be taken per Surveillance Requirement Table 4.11.2.1.2-1, Note 'd' (because the Turbine Building SPING was inoperable) were not included (a cognitive error).

The following day, a procedure writer in the Operations Section contacted the Senior Chemist regarding a statement he planned to include in the General Operating procedure for Power Operation (GO-100-003). During the course of the discussion, the Senior Chemist recognized that the action per Table 4.11.2.1.2-1, Note 'd' had not been performed the previous day. At her direction, action commenced immediately to change out the particulate filter and iodine cartridge. Particulate and iodine activities were both less than the lower limit of detect on. (Per Surveillance Requirement Table 4.11.2.1.2, the filter and cartridge are changed out once per seven (7) days. With the Turbine Building SPING inoperable, the cartridge and filter should have been changed out within twenty-four (24) hours of the 15%/hr. power change.)

Additionally, during the course of an audit of the Chemistry Group by an internal Nuclear Quality Assurance Group, two other occurrences were identified (April 14 and 29, 1984) when 15% power changes were accomplished within one hour and the requirement of Technical Specification 3.4.5 for Dose Equivalent I-131 samples were not taken. Both of these infractions occurred because Operations personnel (licensed, utility) had not informed Chemistry of the power change (a cognitive error). Chemistry reviewed reactor water analyses performed within two hours of the power changes and the following day of each power change were reviewed, as well as SPING data. The review confirmed compliance with release limits of Technical Specification 3.11.2.1 release limits.

A letter has been sent to each member of Shift Supervision emphasizing the importance of proper notification to Chemistry when a 15% reactor power change occurs within one hour. Additionally, GO-100-003 (Unit 1) and GO-200-003 (Unit 2) will be changed to require notification of Chemistry for power changes greater than 15%/hr.



Pennsylvania Power & Light Company

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

October 12, 1984

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

SUSQUEHANNA STEAM ELECTRIC STATION  
LICENSEE EVENT REPORT 84-041-00  
ER 100450 FILE 841-23  
PLA-2336

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

Attached is Licensee Event Report 84-041-00. This event was determined reportable per 10CFR50.73(a)(2)(i), in that certain chemistry samples were not taken subsequent to reactor thermal power changes of greater than 15% in one hour.

H.W. Keiser  
Superintendent of Plant-Susquehanna

LAK/pjg

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

Mr. R.H. Jacobs  
Senior Resident Inspector  
U.S. Nuclear Regulatory Commission  
P.O. Box 52  
Shickshinny, PA 18655

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