

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 03
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TITLE (4)
Two Missed Grab Samples

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	5	2	8	4	-	0	2	7	0	0
0	5	2	8	4	-	0	6	2	SSES - Unit 2	0 5 0 0 0 3 8 8
0	5	2	8	4	-	0	6	2		0 5 0 0 0

OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)										
POWER LEVEL (10) 1 0 0	20.402(b)			20.406(e)			50.73(a)(2)(iv)			73.71(b)	
	20.406(a)(1)(i)			50.38(e)(1)			50.73(a)(2)(v)			73.71(c)	
	20.406(a)(1)(ii)			50.38(e)(2)			50.73(a)(2)(vii)			OTHER (Specify in Abstract below and in Text, NRC Form 366A)	
	20.406(a)(1)(iii)			X 50.73(a)(2)(i)			50.73(a)(2)(viii)(A)				
	20.406(a)(1)(iv)			50.73(a)(2)(ii)			50.73(a)(2)(viii)(B)				
20.406(a)(1)(v)			50.73(a)(2)(iii)			50.73(a)(2)(ix)					

LICENSEE CONTACT FOR THIS LER (12)

NAME L.A. Kuczynski - Nuclear Plant Specialist III	TELEPHONE NUMBER
	AREA CODE: 7117 51421-13171519

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
A	I	L	*	N					

SUPPLEMENTAL REPORT EXPECTED (14)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15) <table border="1" style="float: right; border-collapse: collapse;"> <tr> <th>MONTH</th><th>DAY</th><th>YEAR</th> </tr> <tr> <td> </td><td> </td><td> </td> </tr> </table>	MONTH	DAY	YEAR			
MONTH	DAY	YEAR						

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

Two grab samples required by Technical Specification ACTION statements were not taken within the requisite time limits due to personnel oversight. Several administrative actions will be completed to prevent recurrence of this event.

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* Not Applicable

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Susquehanna Steam Electric Station Unit 1	DOCKET NUMBER (2) 8500038784	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		84	027	00	02	OF 03

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

The Unit 1 Turbine Building Station Particulate, Iodine and Noble Gas (SPING) Monitor was removed from service at 0740 on May 22, 1984, for its 18 month calibration. As directed by Limiting Condition for Operation (LCO) 3.3.7.11, continuous sampling for particulate and iodine via auxiliary equipment was instituted and the first of the once-per-eight hour noble gas sample was drawn at 0745. At 0257 on May 23, 1984, the Unit 2 'A' Residual Heat Removal (RHR) Service Water (SW) loop was placed in service. Since the Unit 2 RHRSW loop 'A' radiation monitor was inoperable, once-per-eight hour sampling was instituted per LCO 3.3.7.10, with the first sample taken at 0535.

At approximately 0700 on May 23, 1984, the Level II Chemistry Technician (non-licensed, utility) assumed responsibility for the day-shift after reviewing the Chemistry Log Books and Chemistry's copy of the LCO Log. The LCO Log showed that the Unit 1 Turbine Building Vent sample for noble gas was due at 0745 and the Unit 2 RHRSW sample was due at 1100. At 0920, the Level II Chemistry Technician left the laboratory to be fitted for a respirator. Upon his return, he realized that the Unit 1 Turbine Building Vent sample was overdue and personally obtained the sample at 1140.

At 1707, when the swing shift Level II Chemistry Tech. (non-licensed, utility) assumed responsibility, he observed that the Unit 2 RHRSW sample was overdue. He notified Chemistry supervision that the Unit 2 RHRSW sample was missed on the day shift and that the Unit 1 Turbine Building vent sample was completed four hours late. He then immediately left the lab to obtain both samples with the consideration that, if both samples were due at the same time, they would be easier to track.

The samples indicated no detectable activity in the Unit 2 Service Water or Unit 1 Turbine Bldg. Effluent. After review of the RHRSW A sample results taken at 0535 and 1840, it was concluded that no release was made from the plant. This conclusion is based on the assumption that if the heat exchanger leaked during the thirteen (13) hour period between samples traces of activity would have been detected in the sample taken at 1840.

The Unit 1 Turbine Building SPING was out-of-service from 5-22 to 5-25. During this time, eleven noble gas grab samples were collected and analyzed. Of these eleven, five had isotopes (Xe-133 and/or Kr-85m) which were identified above the LLD. The maximum activity found was $<1.47 \text{ E-6 } \mu\text{Ci/cc}$ but $\geq 5.71 \text{ E-7 } \mu\text{Ci/cc}$, the minimum was $<1.17 \text{ E-6 } \mu\text{Ci/cc}$ but $\geq 5.71 \text{ E-7 } \mu\text{Ci/cc}$. This indicates that the release during this time was essentially constant. For this reason together, with the fact that no plant evolutions occurred to change the release rate (power level remained essentially constant), there were no adverse consequences of the sample being late and the release rate for the period can be considered to be the average of all samples.

The Level II Chemistry Tech. did not fully understand his responsibilities, even though they are clearly defined in the administrative procedure that governs the conduct of the Chemistry Group. Also, after a similar instance of a missed surveillance (reported as Unit 1 LER 84-005), responsibilities and the procedures which define them were reviewed with all Chemistry Techs.

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

The following interim actions to prevent recurrence have been or will be taken:

- 1) The Chemistry Supervisor has personally met with all Level II Chemistry Technicians to ensure they understand their responsibilities.
- 2) A tickler card for LCO sampling has been added to the Chemistry 'tickler file' to ensure that the on-shift Chemistry Technician Level II checks LCO Sampling progress.
- 3) Chemistry LCO Sample Log will be changed to include a "Date/Time Next Sample Due" column.



Pennsylvania Power & Light Company

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June 22, 1984

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

SUSQUEHANNA STEAM ELECTRIC STATION
LICENSEE EVENT REPORT 84-027-00
ER 100450 FILE 841-23
PLA-2239

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

Attached is Licensee Event Report 84-027-00. This event was determined reportable per 10CFR50.73(a)(2)(i) in that, specified process sampling was not completed in a timely manner.

H.W. Keiser
Superintendent of Plant-Susquehanna

LAK/pkg

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