

LICENSEE EVENT REPORT (LER)

(See reverse for required number of digits/characters for each block)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS MANDATORY INFORMATION COLLECTION REQUEST: 50.0 HRS. REPORTED LESSONS LEARNED ARE INCORPORATED INTO THE LICENSING PROCESS AND FED BACK TO INDUSTRY. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-6 F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)
Susquehanna Steam Electric Station - Unit 1

DOCKET NUMBER (2)
05000387

PAGE (3)
1 OF 3

TITLE (4)
Loss Of Continuous Vent Sampling

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 NAME	DOCKET NUMBER
1	10	98	98	-- 001	-- 00	2	9	98	FACILITY NAME	DOCKET NUMBER
										05000
										05000

OPERATING MODE (9)	POWER LEVEL (10)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more) (11)								
1	100	20.2201(b)	20.2203(a)(2)(v)	X	50.73(a)(2)(i)	50.73(a)(2)(viii)				
		20.2203(a)(1)	20.2203(a)(3)(i)		50.73(a)(2)(ii)	50.73(a)(2)(x)				
		20.2203(a)(2)(i)	20.2203(a)(3)(ii)		50.73(a)(2)(iii)	73.71				
		20.2203(a)(2)(ii)	20.2203(a)(4)		50.73(a)(2)(iv)	OTHER				
		20.2203(a)(2)(iii)	50.36(c)(1)		50.73(a)(2)(v)	Specify in Abstract below or in NRC Form 366A				
		20.2203(a)(2)(iv)	50.36(c)(2)		50.73(a)(2)(vii)					

LICENSEE CONTACT FOR THIS LER (12)
NAME: Cornelius T. Coddington - Senior Engineer, Licensing
TELEPHONE NUMBER (Include Area Code): 717 / 542-3294

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). X NO
EXPECTED SUBMISSION DATE (15)
MONTH DAY YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)
On 1/10/98 at 1325 hours with Unit 1 in Condition 1 (Power Operation) at 100 percent power, the control room received the stack monitoring Hi-Hi radiation and the stack monitoring system trouble alarms. A Nuclear Plant Operator (NPO; utility; non-licensed) was dispatched to the local panel. The NPO identified that the sample flow was indicating zero with the sample pump running. The Unit 1 Reactor Building Reactor Building Vent Monitoring System was declared inoperable and LCOs 3.3.7.5 and 3.3.7.11 were entered. Alternate sampling was established within 25 minutes from the receipt of the alarms. The Unit 1 Reactor Building Vent Monitoring System was repaired (tubing to the stack flow transmitter reconnected) and returned to service on 1/11/98. The cause of the event was determined to be that tubing for the sample flow transmitter lost resilience and separated from its connection. The Technical Specification requirement to continuously sample this release point for particulate and iodine activity (Technical Specification 3.3.7.11 Action 112 and Technical Specification 4.11.2.1) could not be met during the 25 minutes it took to implement alternate continuous sampling. This event was determined to be reportable in accordance with 10CFR50.73(a)(2)(I)(B). Corrective actions include the reconnection of the tubing to the stack flow transmitter, inspecting the existing tubing for degradation, the future replacement of the tubing on all vent monitors and revising the action to allow a period of time to restore continuous sampling as part of the Improved Technical Specification implementation. Analysis of the particulate filter and iodine cartridge showed no abnormal activity, when averaged over the sample period. During this same period of time, there were no changes in plant conditions or other indications of high levels of particulate or iodine activity which could cause any abnormal release during this 25 minute period. Therefore, it is reasonable to conclude that no significant release could have occurred while the sampling was lost in this vent. As such, there were no consequences to the health and safety of the public.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

FACILITY NAME (1)	DOCKET	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Susquehanna Steam Electric Station - Unit 1	05000				
	387	98	-- 001	-- 00	2 OF 3

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

EVENT DESCRIPTION

On 1/10/98 at 1325 hours with Unit 1 in Condition 1 (Power Operation) at 100 percent power, the control room received the stack monitoring Hi-Hi radiation and the stack monitoring system trouble alarms. A Nuclear Plant Operator (NPO; utility; non-licensed) was dispatched to the local panel. The NPO identified that the sample flow was indicating zero with the sample pump running. The Unit 1 Reactor Building Reactor Building Vent Monitoring System (EIS Code: IL) was declared inoperable and Technical Specification Limiting Conditions for Operation (LCOs) 3.3.7.5 and 3.3.7.11 were entered. Alternate sampling was established within 25 minutes from the receipt of the alarms. The Unit 1 Reactor Building Vent Monitoring System was repaired (tubing to the stack flow transmitter reconnected) and returned to service on 1/11/98.

CAUSE OF EVENT

The cause of the event was determined to be that tubing for the sample flow transmitter lost resilience and separated from its connection.

REPORTABILITY/ANALYSIS

On 1/10/98 from 1325 to 1350, continuous sampling from the Unit 1 Reactor building vent was lost due to disconnected tubing on the stack flow transmitter. The Technical Specification requirement to continuously sample this release point for particulate and iodine activity (Technical Specification 3.3.7.11 Action 112 and Technical Specification 4.11.2.1) could not be met during the 25 minutes it took to implement alternate continuous sampling. This event was determined to be reportable in accordance with 10CFR50.73(a)(2)(i)(B) in that there is no time period allowed to reestablish continuous sampling in the current Technical Specifications.

Analysis of the particulate filter and iodine cartridge which provided effluent sampling of the time immediately before and immediately after the 25 minute interruption in sampling, showed no abnormal activity; when averaged over the sample period. During this same period of time, there were no changes in plant conditions or other indications of high levels of particulate or iodine activity which could cause any abnormal release during this 25 minute period. Therefore, it is reasonable to conclude that no significant release could have occurred while the sampling was lost in this vent. As such, there were no consequences to the health and safety of the public.

In accordance with the guidelines provided in NUREG-1022, Supplement 1, Item 14.1, the required submission date for this report was determined to be February 9, 1998.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

FACILITY NAME (1)	DOCKET	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Susquehanna Steam Electric Station - Unit 1	05000				3 OF 3
	387	98	-- 001	-- 00	

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

CORRECTIVE ACTIONS

The following corrective action has been completed:

- The tubing for the flow transmitter was reconnected.

The following near-term corrective action is being taken:

- The tubing in all vent monitors is being inspected for degradation.

The following corrective actions are to be taken:

- The tubing in all vent monitors will be replaced:
- In conjunction with the implementation of the Improved Technical Specifications, the action statement will be revised to allow a period of time to restore continuous sampling to the vents
- Preventative Maintenance Procedure will be written for the vent monitor tubing.

ADDITIONAL INFORMATION

Past Similar Events: Docket No. 50-387 LER 96-008-00
LER 94-005-00
LER 85-013-00
LER 84-039-00

50-388 LER 97-005-00

Failed Component: None