

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Haddam Neck										DOCKET NUMBER (2) 0 5 0 0 0 2 1 3					PAGE (3) 1 OF 0 3										
TITLE (4) Inoperable Fire Barrier																									
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	8	1	3	8	5	8	5	0	2	2	0	0	0	9	1	2	8	5	0	5	0	0	0		
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																							
1		20.402(b)				20.405(c)				50.73(a)(2)(iv)				73.71(b)											
POWER LEVEL (10)		20.405(a)(1)(i)				50.36(c)(1)				50.73(a)(2)(v)				73.71(c)											
1		20.405(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)											
		20.405(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(viii)(A)															
		20.405(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)															
		20.405(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)															
LICENSEE CONTACT FOR THIS LER (12)																									
NAME										TELEPHONE NUMBER															
Thomas J. Bransfield										2 0 3 2 6 7 - 2 5 5 6															
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																									
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRPDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRPDS															
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR											
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)										<input checked="" type="checkbox"/> NO															

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

On August 13, 1985 a fire barrier penetration was discovered inoperable by Plant Engineering. This discovery was the result of a question raised by construction personnel working in the area. Immediately upon discovery, the control room was notified and a hourly fire watch was established. Action was also initiated to repair the fire barrier and this work was completed the same day.

As this condition is not in compliance with Technical Specification 3.22.F, this event is reportable per 10CFR50.73(a)(2)(i)(B).

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Haddam Neck	0500021385	—	022	—	00	02	OF 03

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

Background

A fire barrier penetration separating the Cable Spreading Area (MF) from the turbine hall (NM) was found damaged by plant engineering on August 13, 1985. This discovery was the result of a question raised by construction personnel working in the area. Upon discovery, a fire watch patrol was established by the control room and repairs were implemented immediately and completed by the end of the day shift.

An investigation of the cause of the incident revealed that due to work in the area, the seal material was damaged. It appears that construction personnel were stepping on and inadvertently damaging the seal. As the seal was constructed of a insulating board (fiberfax) it was not designed to withstand this live loading. The construction representative for this job was notified of the opening by Q.C. personnel on August 12, 1985 at approximately 1700 hrs. He notified plant Engineering the following morning of the potential problem and action was taken as stated previously to repair the opening.

Reportability

Technical Specification 3.22.F requires that penetration fire barriers that protect safety related areas shall be functional. As this fire barrier seal was inoperable for approximately 18 hours, this event is reportable per 10CFR05.73(a)(2)(i)(B).

Safety Assessment

The wall in which the open penetration was found separates the turbine hall from the Cable Spreading Area. The turbine hall is protected in this area by automatic sprinklers. The Cable Spreading Area is protected by automatic sprinklers in the cable trays and smoke detection throughout. In addition, the open fire barrier penetration was repaired immediately upon discovery and was open less than 24 hours. In this instance, there was no significant impact upon safety.

Root Cause

Two problems occurred which led to this problem. The first problem was that the seal was inadvertently damaged by construction personnel. This was because the seal was not recognized as a fire seal by the workers and, therefore, no protective measures were taken. This was unique due to the size of the penetration which required a unique fire seal. The second problem was due to the fact that when the seal was first found damaged it was not reported to the control room. Had this been immediately reported, a fire watch could have been established initially rather than waiting until the following day.

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Corrective Action

The following corrective actions have been taken:

- 1) Fire watch patrol established
- 2) The seal was repaired with fiberfax board.
- 3) An evaluation of the seal detail was initiated in order to improve the design to prevent inadvertent damage.
- 4) The need for immediate notification of the control room was discussed with the construction representative to ensure effective corrective action in the future.



CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

RR#1 • BOX 127E • EAST HAMPTON, CONN. 06424

September 12, 1985

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

Reference: Facility Operating License No. DPR-61  
Docket No. 50-213  
Reportable Occurrence LER 50-213/85-022-00

Gentlemen:

This letter forwards the Licensee Event Report 85-022-00, required to be submitted within thirty days, pursuant to the requirements of Connecticut Yankee Technical Specifications.

Very truly yours,

Richard H. Graves  
Station Superintendent

RHG:TJB/ssg  
Attachment: LER 85-022-00

cc: Dir. T. E. Murley, Region I

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