

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)  
Haddam Neck

DOCKET NUMBER (2)

0 5 0 0 0 2 1 3 1 OF 0 3

PAGE (3)

TITLE (4)

Inoperable Fire Barrier Penetration

EVENT DATE (5)  
MONTH DAY YEAR  
0 8 0 5 8 5  
LER NUMBER (6)  
YEAR SEQUENTIAL NUMBER REVISION NUMBER  
- 0 2 1 - 0 0  
REPORT DATE (7)  
MONTH DAY YEAR  
0 9 0 4 8 5  
OTHER FACILITIES INVOLVED (8)  
FACILITY NAMES  
DOCKET NUMBER(S)  
0 5 0 0 0  
0 5 0 0 0OPERATING MODE (9)  
1  
POWER LEVEL (10)  
1 0 0  
THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)  
20.402(b) 20.405(c) 50.73(a)(2)(iv) 73.71(b)  
20.405(a)(1)(i) 50.36(c)(1) 50.73(a)(2)(v) 73.71(c)  
20.405(a)(1)(ii) 50.36(c)(2) 50.73(a)(2)(vii) OTHER (Specify in Abstract below and in Text, NRC Form 366A)  
20.405(a)(1)(iii) X 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  
Thomas J. Bransfield  
TELEPHONE NUMBER  
AREA CODE  
2 0 3 2 6 7 - 2 5 5 6COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)  
CAUSE SYSTEM COMPONENT MANUFACTURER REPORTABLE TO NPROS  
CAUSE SYSTEM COMPONENT MANUFACTURER REPORTABLE TO NPROSSUPPLEMENTAL 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 fifteen single space typewritten lines) (16)

On August 5, 1985, during a fire brigade drill, a brigade member discovered an open fire barrier penetration between the cable spreading area and the Maintenance Hot Shop. Upon discovery, a fire watch patrol was immediately established until the penetration was sealed.

As this condition is not allowable by 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 (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Haddam Neck	0 5 0 0 0 2 1 3 8 5	—	0 2 1	—	0 0	0 2	OF 0 3

TEXT (If more space is required, use additional NRC Form 368A's) (17)

Background

During a fire brigade drill on August 5, 1985, a brigade member discovered an open fire barrier penetration in a wall separating the cable spreading area (MF) from the Maintenance hot shop (LS). Upon discovery at 0935 hours, a fire watch patrol was established and action was initiated to repair the opening. The penetration was sealed prior to the end of the work shift, the same day as the discovery.

The penetration as found was a small hole in the wall, approximately 1" in diameter. A further problem noted was in that the section of wall which contained this penetration was constructed of sheet metal and did not constitute a rated fire barrier. The sheet metal spanned the 12" gap between the end of the block wall and the exterior siding.

Reportability

Technical Specification 3.22.F requires that penetration fire barriers that protect safety related areas shall be functional. As this condition does not meet this requirement, the event is reportable per 10CFR50.73(a)(2)(i)(B).

Safety Assessment

A review of the fire protection in the vicinity of this wall has resulted in the conclusion that this condition did not significantly degrade the fire protection in this area. This conclusion is based upon a review of the wall configuration, and fire suppression and detection systems in the vicinity. It was concluded that since the penetration and the unrated wall section were small and located adjacent to an exterior sheet metal wall, their impact upon the ability of the wall to perform its intended function would be minor. In addition, there is automatic sprinkler protection on both sides of the wall which would provide further protection in the event of a fire. Taken in the context of the existing fire protection program, this incident has not had a significant affect upon safety.

Root Cause

A review of the fire barrier penetration program revealed that this sheet metal wall section was not included as part of the program. This resulted from an interpretation that this portion of the wall was to be treated as an exterior wall, not part of the fire barrier. Since the wall was not considered a fire wall, the drawings used to document fire barrier penetration seals didn't show this wall section. Therefore, in performing work in this area, the requirement for maintaining the fire barrier penetration seals was not identified.

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

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

Corrective Action

The following corrective action was taken as a result of this incident.

- (1) Immediately established a fire watch
- (2) Repaired the penetration
- (3) The sheet metal section of the fire wall was upgraded to a three hour barrier. The sheet metal was coated with pyrocrete on both sides to obtain the three hour rating as part of the Appendix R Modifications completed August 14, 1985.
- (4) The fire barrier penetration seal program was reviewed and will be revised to reflect this new wall section in the appropriate drawing. This revision consists of a drawing revision to show the entire wall to be inspected. This drawing revision request has been submitted.
- (5) All penetrations through this section of the wall were inspected visually to ensure no further problems existed.



CONNECTICUT YANKEE ATOMIC POWER COMPANY

HADDAM NECK PLANT

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

September 4, 1984

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 50-213/85-021-00

Gentlemen:

This letter forwards the Licensee Event Report 85-021-00, 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 85-021-00

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

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