

DEC 02 1981



Metropolitan Edison Company  
Post Office Box 480  
Middletown, Pennsylvania 17057

Writer's Direct Dial Number

November 6, 1981  
LL2-81-0258

Office of Inspection and Enforcement  
Attn: Mr. Ronald C. Haynes, Director  
Region I  
U. S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, Pennsylvania 19406



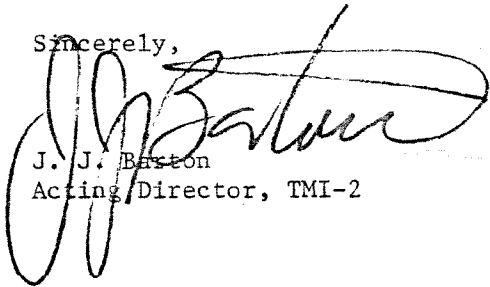
Dear Sir:

Three Mile Island Nuclear Station, Unit 2 (TMI-2)  
Operating License No. DPR-73  
Docket No. 50-320  
Licensee Event Report 81-027/03L-0

Attached please find Licensee Event Report 81-027/03L-0 concerning the identification of deficient fire barrier seals on October 7, 1981.

This event concerns Section 3.7.11 and is considered reportable under Section 6.9.1.9(b) of the Interim Recovery Technical Specifications.

Sincerely,

  
J. J. Barton  
Acting Director, TMI-2

JJB:SDC:djb

Attachments

cc: L. H. Barrett, Deputy Program Director  
Dr. B. J. Snyder, Program Director, TMI Program Office  
V. Stello, Director I & E  
c/o Document Management Branch  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

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LICENSEE EVENT REPORT  
NARRATIVE REPORT  
TMI-II  
LER 81-027/03L-0  
EVENT DATE - October 7, 1981

I. EXPLANATION OF OCCURRENCE

On October 7, 1981, during the annual surveillance of Firewall-50 seals per surveillance procedure 4331-A1, "Fire Barrier Penetration Fire Seal Inspection" the following penetrations were found to be deficient:

<u>Penetration No.</u>		<u>Location</u>	
1-126-05	Turbine Bldg.	305' elevation	South Wall
3-105-93	Control Bldg.	293' elevation	West Wall
3-106-93	Control Bldg.	293' elevation	North Wall
3-358-05	Service Bldg.	305' elevation	North Wall
4-206-05	Auxiliary Bldg.	305' elevation	West Wall
4-229-28	Aux./Fuel Handling Bldg.	305' elevation	West Wall
4-310-28	Auxiliary Bldg.	328' elevation	West Wall

This event is not a violation of any Technical Specification. It is reportable under Section 6.9.1.9(b) due to entry into and compliance with the action statement of specification 3.7.11. LER's 79-12/03L-0 report similar conditions.

II. CAUSE OF THE OCCURRENCE

This event occurred due to cracks which developed in the fire barrier penetrations. These cracks are a result of the dehydration of the barriers over time.

III. CIRCUMSTANCES SURROUNDING THE OCCURRENCE

At the time of the occurrence, the Unit 2 facility was in a long-term cold shutdown state. The reactor decay heat was being removed via loss to ambient. Throughout the event there was no effect on the Reactor Coolant System or the core.

IV. CORRECTIVE ACTIONS TAKEN

IMMEDIATE

Immediately posted hourly fire watches until repairs completed per Technical Specification 3.7.11.

Repaired the cracks using silicon foam, in the form of Sem-Kits, and restored the seals to functional status as of the following dates:

1-126-05	October 20, 1981
3-105-93	October 24, 1981
3-106-93	October 30, 1981
3-358-05	October 21, 1981
4-206-05	October 24, 1981
4-229-28	October 22, 1981
4-310-28	October 24, 1981

LONG TERM

Defective Firewall-50 seals are being considered as temporarily functional when repaired with silicone foam based on acceptance criteria agreed upon by ANI (American Nuclear Insurers) and the seal installer, Chemtrol Corporation.

