



Metropolitan Edison Company
Post Office Box 480
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APR 01 1981

Writer's Direct Dial Number

March 3, 1981
LL2-81-0062

Office of Inspection and Enforcement
Attn: Mr. Boyce H. Grier, 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 80-051/03L-1

Attached please find revised Licensee Event Report 80-051/03L-1,
concerning the identification of a deficient fire barrier seal
on November 10, 1980.

This event concerns Section 3.7.1.1 and is considered reportable under
Section 6.9.1.9(b) of the Interim Recovery Technical Specifications.

This update is submitted in accordance with our letter of December 11,
1980, February 03, 1981 (TLL 652 and LL2-81-0028 respectively), and
a conversation between our Mr. S. D. Chaplin of TMI-2 Licensing and Mr.
R. J. Conte, Senior Resident Inspector, of the Program Office on Feb-
ruary 27, 1981.

Sincerely,

G. K. Hovey
Vice-President and
Director, TMI-2

GKH:SDC:djb

Attachments

cc: Lake Barrett, Deputy Program Director
Dr. Bernard J. Snyder, Program Director-TMI Office

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LICENSEE EVENT REPORT

CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

1 PATMI 2 00-000000-000 3 41111 4 5

CONT REPORT SOURCE L 05000320 7 1111080 8 030381 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10
02 On November 10, 1980 a deficient fire barrier seal was discovered. Seal no. 3-484-51,
03 located in the Service Building wall separating Unit Substation 2-22E and the mechani-
04 cal Equipment Room, was observed to have an 18" long crack which penetrated the seal.
05 This event is not a violation of any Tech. Spec. It is reportable per Section
06 6.9.1.9(b) due to entry and compliance with the action statement of Tech. Spec. 3.7.11.
07 This event had no effect on the plant, its operation, or the health and safety of the
08 public.

09 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
A B 11 B 12 C 13 X X X X X X 14 Z 15 Z 16

17 LER/RO REPORT NUMBER 80 EVENT YEAR 80 SEQUENTIAL REPORT NO. 051 OCCURRENCE CODE 03 REPORT TYPE L REVISION NO. 1
ACTION TAKEN B 18 FUTURE ACTION X 19 EFFECT ON PLANT Z 20 SHUTDOWN METHOD Z 21 HOURS 0000 ATTACHMENT SUBMITTED Y 23 NPRD-4 FORM SUB. N 24 PRIME COMP. SUPPLIER A 25 COMPONENT MANUFACTURER X999 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27
10 The event occurred due to the discovery of a crack that developed in the Fire Barrier
11 Penetration Seal, thereby making the seal non-functional. An hourly fire watch was
12 implemented and maintained during the seal repair. The seal was repaired and returned
13 to service on November 10, 1980. The surveillance frequency for Firewall-50 seals
14 will be increased from once every 18 months to once every 12 months.

15 FACILITY STATUS X 28 % POWER 000 29 OTHER STATUS 30 Recovery Mode METHOD OF DISCOVERY A 31 DISCOVERY DESCRIPTION 32 Licensee Employee Observation

16 ACTIVITY CONTENT Z 33 Z 34 AMOUNT OF ACTIVITY 35 N/A LOCATION OF RELEASE 36 N/A

17 PERSONNEL EXPOSURES NUMBER 000 37 TYPE Z 38 DESCRIPTION 39 N/A

18 PERSONNEL INJURIES NUMBER 000 40 DESCRIPTION 41 N/A

19 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION 43 N/A

20 PUBLICITY ISSUED Z 44 DESCRIPTION 45 N/A NRC USE ONLY

NAME OF PREPARER Steven D. Chaplin PHONE: (717) 948-8461

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LICENSEE EVENT REPORT
NARRATIVE REPORT

TMI-2

LER 80-051/03L-1

EVENT DATE - November 10, 1980

I. EXPLANATION OF OCCURRENCE

On November 10, 1980, a deficient fire barrier seal was discovered. The deficient seal, number 3-484-51, is located on the 351'6" level of the Control Building, in the wall separating Unit Substation 2-22E from the Mechanical Equipment Room. The defect, a crack, approximately 1/2" to 5/8" wide and approximately 18" long, penetrated the 1 foot thick seal.

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

II. CAUSE OF THE OCCURRENCE

This event occurred due to the discovery of a crack that developed in the Fire Barrier Penetration seal, thereby making the seal non-functional.

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 steam generator which is operating in a 'steaming' mode. Throughout the event there was no Loss of Natural Circulation heat removal in the RCS System.

IV. CORRECTIVE ACTIONS TAKEN OR TO BE TAKEN

IMMEDIATE

In accordance with the action statement of Section 3.7.11, an hourly fire watch was initiated immediately and maintained until the repair was accomplished.

The seal was repaired with silicone foam in the form of Sem-Kits. Repairs were completed and the seal returned to a functional status at 2027 hours on November 10, 1980.

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.

In addition, the surveillance frequency for fire barrier seals made wholly or in part by Firewall-50 will be increased from 18 months to 12 months. The inspection acceptance criteria will remain consistent with that stated in Inspection Report 79-26.

CORRECTIVE ACTIONS (cont'd.)

Due to the installers lack of producing a permanent repair method acceptable to both the licensee and ANI since the identification of this seal dehydration problem, the Licensee is requesting Chemtrol Corporation to initiate a replacement program as soon as possible. The replacement program will replace Firewall-50 seals with an approved rated fire barrier.

V. COMPONENT FAILURE DATA

Fire Barrier Penetration sealant "Firewall-50", manufactured by Western Chemical Corporation.