

SEP 23 1982

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**GPU Nuclear**  
P.O. Box 480  
Middletown, Pennsylvania 17057  
717-944-7621  
Writer's Direct Dial Number:

August 25, 1982  
4400-82-L-0145

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

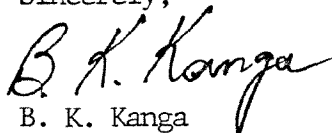
Dear Sir:

Three Mile Island Nuclear Station, Unit 2 (TMI-2)  
Operating License No. DPR-73  
Docket No. 50-320  
Licensee Event Report 82-027/03L-0

Attached please find Licensee Event Report 82-027/03L-0 concerning the inoperability of Emergency Diesel Generator DF-X-1A on July 26, 1982.

This event concerns Section 3.8.1.1(a) and is considered reportable under Section 6.9.1.9(b) of the Interim Recovery Technical Specifications.

Sincerely,

  
B. K. Kanga  
Director, TMI-2

BKK/SDC/jep

Attachments

CC: L. H. Barrett, Deputy Program Director - TMI Program Office  
Dr. B. J. Snyder, Program Director - TMI Program Office  
V. Stello, Deputy Executive Director

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PDR ADDCK 05000320  
S PDR

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LICENSEE EVENT REPORT

Attachment 1  
4400-82-L-0145

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

1 P A T M I 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 \_\_\_\_\_ 5  
8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

1 REPORT SOURCE L 6 0 5 0 0 0 3 2 0 7 0 7 2 6 8 2 8 0 8 2 5 8 2 9  
8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)  
2 At 0830 hours on July 26, 1982, while preparing to remove Emergency Diesel Generator  
3 (EDG) DF-X-1B from service for maintenance, an operability check was performed on  
4 EDG DF-X-1A (per Tech Spec requirements). During the check, DF-X-1A's permissive lamp  
5 did not light, thereby not allowing the diesel to be loaded. EDG DF-X-1A was declared  
6 inoperable. This event is considered reportable per Section 6.9.1.9(b) due to entry  
7 into the action statement of Tech Spec 3.8.1.1. This event had no effect on the health  
8 and safety of the public.

9 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE  
E E X Z I N S T R U I Z  
11 12 13 14 15 16  
17 LER/RO REPORT NUMBER EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.  
8 2 0 2 7 0 3 L 0  
21 22 23 24 26 27 28 29 30 31 32  
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPRD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER  
X Z Z Z 0 0 0 0 Y N A C 4 7 0  
33 34 35 36 37 40 41 42 43 44 47 48

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)  
0 Investigation did not identify any failed or malfunctioning components. The permissive  
1 lamp bulb was replaced during the investigation. EDG DF-X-1A was retested satisfactorily  
2 and returned to service at 1229 hours on July 26, 1982. In addition, a manufacturer's  
3 representative was brought in to remove and test the Frequency Relay and the "X"  
4 Auxiliary Relay on July 28, 1982. Again, no problems were identified.

5 FACILITY STATUS % POWER OTHER STATUS (30) METHOD OF DISCOVERY DISCOVERY DESCRIPTION (32)  
X 0 0 0 Recovery mode A Operator observation  
8 9 10 12 13 44 45 46 80

6 ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)  
Z Z N/A N/A  
8 9 10 11 44 45 80

7 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39)  
0 0 0 Z N/A  
8 9 11 12 13 80

8 PERSONNEL INJURIES NUMBER DESCRIPTION (41)  
0 0 0 N/A  
8 9 11 12 80

9 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION (43)  
Z N/A  
8 9 11 12 80

10 PUBLICITY ISSUED DESCRIPTION (45) N/A  
N N/A  
8 9 10 80

NAME OF PREPARER Steven D. Chaplin

PHONE: (717) 948-8461

LICENSEE EVENT REPORT  
NARRATIVE REPORT  
TMI-II  
LER 82-027/03L-0  
EVENT DATE - July 26, 1982

I. EXPLANATION OF OCCURRENCE

At 0830 hours on July 26, 1982, while preparing to remove Emergency Diesel Generator DF-X-1B from service for maintenance, an operability check was performed on EDG DF-X-1A [in accordance with Technical Specification Limiting Condition for Operation 3.8.1.1, action statement (a)]. During the performance of the operability check, EDG DF-X-1A's permissive indication would not energize. (It is a green lamp located on Control Room Panel 26 which indicates, when lit, that the diesel can be loaded.) Due to the inability to load the diesel, DF-X-1A was declared inoperable.

This event is considered reportable under Section 6.9.1.9(b) due to entry into and compliance with the requirements of the action statement of Tech 3.8.1.1.

II. CAUSE OF THE OCCURRENCE

Investigation of the circuitry of Emergency Diesel DF-X-1A did not identify any faulty or malfunctioning equipment. However, due to the nature of this event, it is believed that the cause of the event was due to a transient condition in either the Frequency Relay (81 Relay) or the associated "X" Auxiliary Relay, both of which are located at local Control Panel 308.

III. CIRCUMSTANCES SURROUNDING THE OCCURRENCE

At the time of the occurrence, the Unit II 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 OR TO BE TAKEN

Immediate

Investigation revealed no malfunctioning components in the diesel's control circuitry. The bulb in the permissive lamp assembly in Control Panel 26 was replaced during the investigation.

The Emergency Diesel DF-X-1A was tested satisfactorily using Surveillance Procedure 4303-M16A and returned to service at 1229 hours on July 26, 1982.

Immediate (continued)

A manufacturer's representative was brought in on July 28, 1982, to remove and test both the Frequency Relay and the "X" Auxiliary Relay. Again, no problems were identified.

Long Term

The Emergency Diesel DF-X-1A has been started and loaded several times since this event with no recurrence of the problem. Based upon this, no further corrective actions are appropriate at this time.

V. COMPONENT FAILURE DATA

N/A