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Writer's Direct Dial Number

August 5, 1980  
TLL 383

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 II (TMI-2)  
Operating License No. DPR-73  
Docket No. 50-320  
Licensee Event Report 80-028/03L-0

Attached please find Licensee Event Report 80-028/03L-0, concerning the high crankcase pressure trip of Emergency Diesel Generator DF-X-1B, on July 7, 1980.

This event constitutes a violation of Section 3.8.1.1.b and is considered reportable under Section 6.9.1.9.b of the Interim Recovery Technical Specifications.

Sincerely,

/s/ G. K. Hovey

G. K. Hovey  
Director, TMI-II

GKH:SDC:dad

Attachments (2)

cc: J. T. G. [redacted]  
[redacted] Snyder

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1/1

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LICENSEE EVENT REPORT

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

01 | P | A | T | M | I | 2 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | \_\_\_\_\_ | 5  
7 8 9 LICENSE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

CON'T  
01 | L | 6 | 0 | 5 | 0 | 0 | 0 | 3 | 2 | 0 | 7 | 0 | 7 | 0 | 7 | 8 | 0 | 8 | 0 | 8 | 0 | 6 | 8 | 0 | 9  
7 8 9 REPORT SOURCE 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)  
02 | During recovery mode of operation (cold shutdown, decay heat removal) on July 7,  
03 | 1980, while being tested by surveillance procedure 4303-M16, the Emergency Diesel  
04 | Generator DF-X-1B tripped on high crankcase pressure. This event had no effect on  
05 | the plant, its operation, or the health and safety of the public.  
06 | \_\_\_\_\_  
07 | \_\_\_\_\_  
08 | \_\_\_\_\_

09 | E | E | 11 | A | 12 | F | 13 | E | N | G | I | N | E | 14 | Z | 15 | Z | 16  
7 8 9 SYSTEM CODE 9 10 CAUSE CODE 11 CAUSE SUBCODE 12 COMPONENT CODE 13 COMP. SUBCODE 19 VALVE SUBCODE 20

17 | 8 | 0 | 2 | 8 | 0 | 3 | L | 0  
7 8 9 LER/RO REPORT NUMBER 21 22 SEQUENTIAL REPORT NO. 24 26 OCCURRENCE CODE 28 29 REPORT TYPE 30 REVISION NO. 32  
ACTION TAKEN 33 FUTURE ACTION 34 EFFECT ON PLANT 35 SHUTDOWN METHOD 36 HOURS 37 ATTACHMENT SUBMITTED 40 NPRD-4 FORM SUB. 42 PRIME COMP. SUPPLIER 43 COMPONENT MANUFACTURER 44

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)  
10 | Due to a loose hose clamp, the hose connecting the upper/lower ejector pipes vi-  
11 | brated off the upper pipe causing a loss of crankcase vacuum. The clamp was ap-  
12 | parently not tightened sufficiently during annual maintenance. This type clamp is  
13 | not susceptible to vibration when tightened sufficiently. The hose was reconnected,  
14 | the clamp tightened. Ensuring hose clamps are tight was added to D.G. Insp.2305-R31

15 | X | 28 | 0 | 0 | 0 | 29 | Recovery Mode | B | 31 | Operator Observation  
7 8 9 FACILITY STATUS 10 % POWER 12 OTHER STATUS 30 METHOD OF DISCOVERY 45 DISCOVERY DESCRIPTION 32

16 | Z | 33 | Z | 34 | N/A | N/A  
7 8 9 ACTIVITY RELEASED OF RELEASE 10 AMOUNT OF ACTIVITY 35 LOCATION OF RELEASE 36

17 | 0 | 0 | 0 | 37 | Z | 38 | N/A  
7 8 9 PERSONNEL EXPOSURES NUMBER 11 TYPE 12 DESCRIPTION 39

18 | 0 | 0 | 0 | 40 | N/A  
7 8 9 PERSONNEL INJURIES NUMBER 11 DESCRIPTION 41

19 | Z | 42 | N/A  
7 8 9 LOSS OF OR DAMAGE TO FACILITY TYPE 10 DESCRIPTION 43

20 | Z | 44 | N/A  
7 8 9 PUBLICITY ISSUED DESCRIPTION 45

8008120513  
NAME OF PREPARER: Steven D. Chaplin  
PHONE: (717) 948-8461

LICENSEE EVENT REPORT  
NARRATIVE REPORT

TMI-II

LER 80-028/03L-0  
EVENT DATE - July 07, 1980

I. EXPLANATION OF OCCURRENCE

During recovery mode operations (cold shutdown, decay heat removal), on July 7, 1980, while performing surveillance procedure 4303-M16 for Emergency Diesel Generator DF-X-1B, the diesel tripped on high crankcase pressure. The generator was loaded to 100% of its rated load at the time of the trip.

II. CAUSE OF THE OCCURRENCE

The problem was found to be a separated hose connection between the upper and lower ejector pipes. Due to a loose hose clamp, the hose vibrated off the upper pipe resulting in a loss of crankcase vacuum.

Since the hose clamp is of the screw type, it is not susceptible to vibration, and therefore, the clamp was probably not tightened sufficiently during the annual maintenance on the diesel.

III. CIRCUMSTANCES SURROUNDING THE OCCURRENCE

At the time of the occurrence, the Unit II facility was in a long-term cold shutdown state. All the other electrical power sources required by the Technical Specifications were available. The reactor decay heat was being removed via natural circulation to the "A" 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

The hose connection was re-established and the clamp tightened.

LONG TERM

A section has been added to Diesel Generator Inspection (2305-R3) to ensure that hose clamps are tightened sufficiently. The remainder of the hose clamps on the diesel generator were checked to ensure that they were tight.

V. COMPONENT FAILURE DATA

N/A