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GPU Nuclear Corporation
Post Office Box 480
Route 441 South
Middletown, Pennsylvania 17057
717 944-7621
TELEX 84-2386
Writer's Direct Dial Number:

May 19, 1983
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81-004

Office of Inspection and Enforcement
Attn: Mr. J. M. Allan
Acting Regional Administrator
Region I
US Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

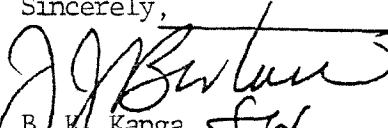
Dear Sir:

Three Mile Island Nuclear Station, Unit 2 (TMI-2)
Operating License No. DPR-73
Docket No. 50-320
Updated Licensee Event Reports

The Licensee Event Reports listed in Attachment 1 have been updated and are enclosed as Attachment 2 to this letter.

If you have any questions, please contact Mr. J. J. Byrne of my staff.

Sincerely,



B. K. Kanga
Director, TMI-2

BKK/RDW/jep

Attachments

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

8305310001 830519
PDR ADDCK 05000320
S PDR

IE22

LIST OF UPDATED LICENSEE EVENT REPORTS

<u>LER NO.</u>	<u>LER NO.</u>
80-01	81-12
80-05	81-20
80-07	81-22
80-12	81-23
80-49	81-32
80-54	81-34
80-55	81-35
80-56	81-36
80-57	81-38
81-04 *	82-34
81-08	
81-10	

* Event date on original Licensee Event Report was incorrect. This revision corrects the event date.

LICENSEE EVENT REPORT
NARRATIVE REPORT
TMI-2

LER 81-04/03X-1
EVENT DATE - February 4, 1981

I. EXPLANATION OF OCCURRENCE

On February 4, 1981, at 0500 hours, an attempt to start "B" EDG failed. The reason for starting the DG was to raise jacket coolant temperature, not to satisfy a surveillance requirement. The diesel was checked to determine the cause, but no physical problems could be identified which could inhibit proper operation of the diesel. The only alarm received was the "Fail to Start" alarm. The diesel successfully started on the second attempt at 0522 hours.

Prior to the failure to start, on February 1, 1981, the Jacket Cooling heater pump for the "B" Emergency Diesel Generator (EDG) became inoperable. An investigation identified that one of the motor bearings failed.

The purpose of the pump is to circulate heated water through the EDG coolant jacket in order to maintain the ambient temperature of the diesel at a level sufficient to enable proper starting and to prevent thermal shock to the diesel as a result of the EDG fast starting and rapid loading. As a result of the pump inoperability an alternate method of maintaining the diesel ambient temperature was initiated which included occasionally running the diesel.

This report is being submitted because the Action Statement of 3.8.1.1(a) was entered inadvertently. This is not a violation of the Technical Specifications because the action statement was complied with.

This LER is similar to LERs 80-054/03L-0 and 80-059/03L-0.

II. CAUSE OF THE OCCURRENCE

Because of the observations made during this event and experience gained during the previous standby heating subsystem inoperability, the proximate cause of this failure to start was determined to be attributable to the low ambient temperature of the diesel.

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 OR TO BE TAKEN

IMMEDIATE

The 'B' EDG was declared inoperable and the requirements of the Action Statement for Section 3.8.1.1(a) were complied with including the return of the 'B' diesel to an operable status at 0658 hours on February 4, 1981.

The faulty motor bearing was replaced on March 2, 1981, thus restoring the diesel to its normal configuration.

Additional corrective action such as increasing the lower jacket coolant temperature criterion was believed to be unnecessary since the EDG started on the second try. This was supported by the fact that in the time required to fix the pump motor, the EDG was started an additional 22 times without reoccurrence of this problem.

LONG TERM

N/A

V. COMPONENT FAILURE DATA

Motor Manufactured By:	Wagner Electrical Corporation
Model Number:	G56-72475-00
Series:	ABA 1B

LICENSEE EVENT REPORT

Attachment 1

1910

CONTROL BLOCK: 11829921

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | P | A | T | M | I | 2 | 2 | 0 | 0 | 0 | - | 1 | 0 | 0 | 0 | 0 | 0 | - | 1 | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5

CON'T
01 | REPORT SOURCE | L | 6 | 0 | 5 | 0 | 0 | 0 | 3 | 2 | 0 | 7 | 0 | 2 | 0 | 4 | 8 | 1 | 8 | 0 | 5 | 1 | 9 | 8 | 3 | 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 | On February 04, 1981 Emergency Diesel Generator (EDG) DF-X-1B failed to start. The at-
03 | tempted start was an effort to raise the EDG ambient temperature due to the previous
04 | failure of the Jacket Coolant Pump. The EDG started on the second attempt and then
05 | operated properly. This report is submitted under Section 6.9.1.9(b) because the
06 | action statement of Tech. Spec. 3.8.1.1(a) was entered inadvertently. This was not
07 | a violation of the Tech. Specs. This event had no effect on the plant, its operation,
08 | or the health and safety of the public. This event is similar to LERs 80-54 and 55.

09 | SYSTEM CODE | E | E | 11 | CAUSE CODE | C | 12 | CAUSE SUBCODE | Z | 13 | COMPONENT CODE | M | O | T | O | R | X | 14 | COMP. SUBCODE | Z | 15 | VALVE SUBCODE | Z | 16 |
17 | LER/RO REPORT NUMBER | 8 | 1 | EVENT YEAR | 8 | 1 | SEQUENTIAL REPORT NO. | 0 | 0 | 4 | OCCURRENCE CODE | 0 | 3 | REPORT TYPE | X | REVISION NO. | 1 |
ACTION TAKEN | A | 18 | FUTURE ACTION | 19 | EFFECT ON PLANT | Z | 20 | SHUTDOWN METHOD | Z | 21 | HOURS | 0 | 0 | 0 | 0 | ATTACHMENT SUBMITTED | Y | 23 | NPRD-4 FORM SUB. | N | 24 | PRIME COMP. SUPPLIER | X | 25 | COMPONENT MANUFACTURER | W | 0 | 0 | 5 | 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 | An investigation determined the failure to start was a result of low diesel ambient
11 | temperature. The EDG ambient shutdown temperature was maintained by periodic starting
12 | until the pump motor repair was accomplished on March 02, 1981.

15 | FACILITY STATUS | X | 28 | % POWER | 0 | 0 | 0 | 29 | OTHER STATUS | Recovery Mode | 30 | METHOD OF DISCOVERY | A | 31 | DISCOVERY DESCRIPTION | Operator observation | 32 |
16 | ACTIVITY | Z | 33 | COUNTRY | Z | 34 | AMOUNT OF ACTIVITY | N/A | 35 | LOCATION OF RELEASE | N/A | 36 |
17 | PERSONNEL EXPOSURES NUMBER | 0 | 0 | 0 | 37 | TYPE | Z | 38 | DESCRIPTION | N/A | 39 |
18 | PERSONNEL INJURIES NUMBER | 0 | 0 | 0 | 40 | DESCRIPTION | N/A | 41 | 8305310047 830519 PDR ADOCK 05000320 S PDR
19 | LOSS OF OR DAMAGE TO FACILITY TYPE | Z | 42 | DESCRIPTION | N/A | 43 |
20 | ISSUED | N | 44 | DESCRIPTION | N/A | 45 |

NAME OF PREPARER Steven D. Chaplin

PHONE: (717) 948-8461