

LICENSEE EVENT REPORT (LER)

| | | | | | | | | | | | | | | | |
|-------------------|--|--|--|--|--|--|--|--|--|-----------------------------------|--|--|--|----------------|--|
| FACILITY NAME (1) | | | | | | | | | | DOCKET NUMBER (2) | | | | PAGE (3) | |
| Oyster Creek | | | | | | | | | | 0 5 0 0 0 2 1 1 9 | | | | 1 OF 0 3 | |

TITLE (4)

Failure of the Undervoltage Trip Device

| EVENT DATE (5) | | | LER NUMBER (6) | | | | REPORT DATE (7) | | | OTHER FACILITIES INVOLVED (8) | | | | | | | | | | | | | |
|----------------|-----|------|----------------|---|-------------------|---|-----------------|-------|-----|-------------------------------|----------------|---|---|---|---|------------------|---|---|-----------|--|--|--|--|
| MONTH | DAY | YEAR | YEAR | | SEQUENTIAL NUMBER | | REVISION NUMBER | MONTH | DAY | YEAR | FACILITY NAMES | | | | | DOCKET NUMBER(S) | | | | | | | |
| 0 | 3 | 0 | 2 | 8 | 4 | 8 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 1 | 9 | 8 | 4 | 0 5 0 0 0 | | | | |

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|--------------------|-------|-------------------------------------------------------------------------------------------------------------|------------------|----------------------------------------------------|--------------------------------------------------------------|--|
| OPERATING MODE (9) | | THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11) | | | | |
| N | | 20.402(b) | 20.406(c) | 50.73(a)(2)(iv) | 73.71(b) | |
| POWER LEVEL (10) | 01010 | 20.406(a)(1)(i) | 50.36(c)(1) | <input checked="" type="checkbox"/> 50.73(a)(2)(v) | 73.71(c) | |
| | | 20.406(a)(1)(ii) | 50.36(c)(2) | 50.73(a)(2)(vii) | OTHER (Specify in Abstract below and in Text, NRC Form 365A) | |
| | | 20.406(a)(1)(iii) | 50.73(a)(2)(i) | 50.73(a)(2)(viii)(A) | | |
| | | 20.406(a)(1)(iv) | 50.73(a)(2)(ii) | 50.73(a)(2)(viii)(B) | | |
| | | 20.406(a)(1)(v) | 50.73(a)(2)(iii) | 50.73(a)(2)(x) | | |

| LICENSEE CONTACT FOR THIS LER (12) | | | | | |
|------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------|--|-----|-----------|
| NAME | TELEPHONE NUMBER | | | | |
| Denny B. Custodio | <table border="1"> <tr> <th>AREA CODE</th> <th></th> </tr> <tr> <td>610</td> <td>997-14892</td> </tr> </table> | AREA CODE | | 610 | 997-14892 |
| AREA CODE | | | | | |
| 610 | 997-14892 | | | | |

| COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13) | | | | | | | | | | | |
|----------------------------------------------------------------------------|--------|-----------|--------------|---------------------|--|-------|--------|-----------|--------------|---------------------|--|
| CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NPRDS | | CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NPRDS | |
| X | 1 | 152 | G10810 | Y | | X | 1 | 152 | G10810 | Y | |
| x | 1 | 152 | G10810 | Y | | | | | | | |

| | | | | | |
|--------------------------------------------------------------------------|----------------------------------------|-------------------------------------|-------|-----|------|
| SUPPLEMENTAL REPORT EXPECTED (14) | | EXPECTED SUBMISSION DATE (15) | MONTH | DAY | YEAR |
| <input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE) | <input checked="" type="checkbox"/> NO | | | | |

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

The unit sub-station (USS) circuit breaker to Motor Control Center (MCC) 1B32 failed to trip when the undervoltage (UV) device was de-energized. Also the circuit breakers to the shutdown cooling pump (SDC) NU02B and the building exhaust fan EF-1-6 failed to trip within the specified time limit in the procedure when their UV devices were de-energized. This occurrence may have affected the emergency diesel generator loading and its loading sequence as specified in the Technical Specifications, section 3.1, table 3.1.1.

These events in themselves are not considered to be reportable, but are being reported under 10 CFR 50.73 as they may be an indication of a potential generic problem.

Immediate corrective action was to perform preventive maintenance (PM) on the circuit breakers. The trip shaft bearings were cleaned, lubricated and measured to have a torque of 20 inch-ounces (vs. as found value of 80 inch-ounces). The static time delay units were readjusted to within specifications. The circuit breakers were tested for operability three (3) times and were returned to service.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

| FACILITY NAME (1) | DOCKET NUMBER (2) | LER NUMBER (6) | | | PAGE (3) | | |
|-------------------|---------------------|----------------|-------------------|-----------------|----------|----|-----|
| | | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | | | |
| Oyster Creek | 0 5 0 0 0 2 1 9 8 4 | — | 0 0 2 | — | 0 0 0 2 | OF | 0 3 |

TEXT (If more space is required, use additional NRC Form 368A's) (17)

On March 2, 1984, the MCC 1B32 circuit breaker failed to trip during the performance of the undervoltage trip time operability and trip bar actuation tests. On March 7, 1984, during the performance of the same tests on the shutdown cooling (SDC) pump NU02B and the building exhaust fan EF-1-6, they failed to trip within the specified time of 2-6 seconds.

The cause of occurrence on MCC 1B32 circuit breaker was attributed to high torque on the trip shaft bearings due to hardened lubricant. A torque value of 80 inch-ounces which exceeded the manufacturers recommended maximum of 24 inch-ounces was measured on the trip shaft. The cause of occurrence on the SDC pump NU02B and EF-1-6 circuit breakers was attributed to instrument drift of the static time delay undervoltage tripping device. The tripping time for these three (3) circuit breakers was found to have exceeded the procedural limit.

Complete preventive maintenance was performed on the three (3) circuit breakers. A 20 inch-ounce torque was measured on the trip shaft after the bearings were cleaned and lubricated. The time delay was readjusted on all three (3) units to within the specified limit. Prior to placing the breakers back in service, they were tested three (3) times for operability and the UV devices functionally verified to trip.

The PM procedure was already revised to include checking the torque on the trip shaft, to assure verification of a positive trip and to verify UV device operability. The other applicable recommendations listed on GE service advice 175 (CPPD) 9.3 will be included in the PM procedure.

The shutdown cooling system serves to complete the cooldown of the reactor vessel and to provide for the removal of the reactor decay heat during plant shutdown conditions. The system is designed to be placed into operation after the reactor coolant temperature is below 350°F and pressure has been reduced to below 150 psig. The shutdown cooling system will be used continuously during reactor shutdown conditions to provide for the removal of the decay or residual heat that is produced by a nuclear reactor for some time following shutdown.

The exhaust fan EF-1-6 is part of the stack exhaust system and is a standby fan for EF-1-5 and EF-1-7. EF-1-6 can be started manually when an operating fan stops and dampers can be operated to divert the airflow from the failed fan to EF-1-6. The MCC 1B32 feeds auxiliary equipment (condensate transfer and demineralized water transfer pumps) and chlorination building equipment.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

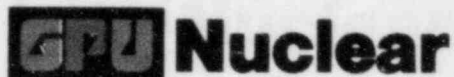
EXPIRES: 8/31/85

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| FACILITY NAME (1) Oyster Creek | DOCKET NUMBER (2) 0 5 0 0 0 2 1 9 8 4 - 0 0 2 - 0 0 0 3 OF 0 3 | LER NUMBER (6) | | | PAGE (3) | | |
| | | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | | | |
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TEXT (If more space is required, use additional NRC Form 366A's) (17)

Failure of the circuit breakers to close as required may have affected the loading and the loading sequence of the emergency diesel generator #2. However, as demonstrated on November 30, 1978 when the service water pumps 1-1 and 1-2 failed to trip and started immediately when the diesel generator breakers closed during the diesel generator automatic actuation tests, it was shown that the diesel generator will be able to start and pick up load with some circuit breakers closed.

With the anticipated ability of the diesel generators to start and feed the bus, as well as the fact that the shutdown cooling pump NU02B is normally not running when the plant is in operation, that the EF-1-6 is normally a standby fan for EF-1-5 and EF-1-7 and the MCC 1B32 load is considerably low, the safety significance of this occurrence is considered minimal.



GPU Nuclear Corporation

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609 971-4000
Writer's Direct Dial Number:

April 19, 1984


Dr. Thomas E. Murley, Administrator
Region I
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Dear Dr. Murley:

Subject: Oyster Creek Nuclear Generating Station
Docket No. 50-219
Licensee Event Report
Reportable Occurrence No. 50-219/84-002

This letter forwards three copies of a Licensee Event Report (LER) to report Reportable Occurrence No. 50-219/84-002 in compliance with 10CFR50.73.

Very truly yours,


Peter B. Fiedler
Vice President and Director
Oyster Creek

PBF:dam
Enclosures

cc: Director (40 copies)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Director (3 copies)
Office of Management Information and
Program Control
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NRC Resident Inspector
Oyster Creek Nuclear Generating Station
Forked River, NJ 08731