

LICENSEE EVENT REPORT (LER)

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| FACILITY NAME (1) PALISADES NUCLEAR PLANT | DOCKET NUMBER (2) 0 5 0 0 0 1 2 5 5 | PAGE (3) 1 OF 0 2 |
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TITLE (4)
Inoperable Auxiliary Feedwater Pump P-8B

| EVENT DATE (6) | | | LER NUMBER (8) | | | REPORT DATE (7) | | | OTHER FACILITIES INVOLVED (8) | | | | | | | | | | |
|----------------|-----|------|----------------|-------------------|-----------------|-----------------|-----|------|-------------------------------|-------------------|---|---|---|---|---|---|---|----|-------------|
| MONTH | DAY | YEAR | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | MONTH | DAY | YEAR | FACILITY NAMES | DOCKET NUMBER (5) | | | | | | | | | |
| 0 | 9 | 08 | 8 | 4 | 8 | 4 | 0 | 1 | 9 | 0 | 1 | 1 | 0 | 1 | 7 | 8 | 4 | NA | 0 5 0 0 0 0 |
| | | | | | | | | | NA | 0 5 0 0 0 0 | | | | | | | | | |

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|-----------------------------|--|------------------|---------------------|--|--|
| OPERATING MODE (9) N | THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11) | | | | |
| POWER LEVEL (10) 0 1 8 0 | 20.402(b) | 20.406(c) | 80.73(a)(2)(iv) | 73.71(b) | |
| | 20.408(a)(1)(i) | 80.36(c)(1) | 80.73(a)(2)(v) | 73.71(a) | |
| | 20.408(a)(1)(ii) | 80.36(c)(2) | 80.73(a)(2)(vi) | OTHER (Specify in Abstract below and in Text, NRC Form 366A) | |
| | 20.408(a)(1)(iii) | X 80.73(a)(2)(i) | 80.73(a)(2)(vii)(A) | | |
| | 20.408(a)(1)(iv) | 80.73(a)(2)(ii) | 80.73(a)(2)(vii)(B) | | |
| 20.408(a)(1)(v) | 80.73(a)(2)(iii) | 80.73(a)(2)(ix) | | | |

LICENSEE CONTACT FOR THIS LER (12)

| | |
|--|---|
| NAME David W. Rogers; Technical Engineer; Palisades | TELEPHONE NUMBER 6 1 6 7 6 4 - 8 9 1 3 |
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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 | SIB | 6 1 5 1 | E 1 2 1 0 | Y | | | | | |
| | | | | | | | | | |

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

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

Due to an inoperable auxiliary feedwater pump, a Plant shutdown was completed on September 8, 1984, in accordance with Palisades Plant Technical Specification 3.5.2. Investigation determined that the mechanical governor on the auxiliary feedwater pump's turbine driver had become damaged due to a lack of continuous lubrication. Subsequent to repairs, the auxiliary feedwater pump was satisfactorily tested and declared operable.

A periodic maintenance program will be developed for the mechanical governor.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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| FACILITY NAME (1) PALISADES NUCLEAR PLANT | DOCKET NUMBER (2) 500025584 | LER NUMBER (6) | | | PAGE (3) | |
| | | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | | |
| | | 84 | 019 | 01 | 02 | OF 02 |

TEXT (if more space is required, use additional NRC Form 388A's) (17)

During power operation on September 5, 1984, at 2158, surveillance testing of Auxiliary Feedwater Pump P-8B [P;BA] revealed overspeeding problems. Consequently, P-8B was declared inoperable. Palisades Technical Specification 3.5.2(a) allows operation with one auxiliary feedwater pump inoperable for a period of 72 hours.

Maintenance activity and further testing were not successful in returning P-8B to an operable status within the 72 hour LCO. A Plant shutdown was commenced as required by Palisades Technical Specifications at 2158 on September 8, 1984. Cold shutdown condition was achieved at 1951 on September 9, 1984.

Investigation into the overspeeding problem resulted in the discovery that the mechanical governor [65;SB] on the pump's turbine driver [TRB;SB] had a failed bearing assembly and a bent spindle. The lubrication system for the bearing assembly utilizes a wick to meter the flow of oil to the bearing assembly. For reasons unknown, the wick was discovered to be missing, allowing the oil to quickly drain from the system. Bearing assembly failure resulted from the lack of continuous lubrication. The spindle is presumed to have become damaged as a result of the bearing assembly failure.

The damaged components were subsequently replaced. The lubrication system for the bearing assembly was properly restored. Auxiliary Feedwater Pump P-8B was satisfactorily tested and declared operable. A periodic maintenance program is being developed for the mechanical governor which will incorporate vendor recommendations.

No threat to health or safety resulted.



Consumers
Power
Company

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US Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

DOCKET 50-255 - LICENSE DPR-20 -
PALISADES PLANT - LICENSEE EVENT REPORT 84-019 REVISION 1 -
INOPERABLE AUXILIARY FEEDWATER PUMP P-8B

Attached please find Licensee Event Report 84-019 Revision 1 (Inoperable
Auxiliary Feedwater Pump P-8B) which updates information previously submitted.

Ralph R Frisch

Ralph R Frisch
Senior Licensing Analyst

CC Administrator, Region III, USNRC
Director, Office of Nuclear Reactor Regulation
NRC Resident Inspector - Palisades

Attachment

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