

LICENSEE EVENT REPORT (LER)

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------|-----------|--|---------------------|-----------------|-------|------------------|-----------|----------------|---|---|---|------------------|--|--|-------------------------------|---|-------|-----|-----------|--|--|--|
| FACILITY NAME (1) JAMES A. FITZPATRICK NUCLEAR POWER PLANT | | | | | | | | | | DOCKET NUMBER (2) 0 5 0 0 0 3 3 3 | | | | PAGE (3) 1 OF 0 2 | | | | | | | | | |
| TITLE (4) UNIT TRIP - TURBINE BYPASS VALVE MALFUNCTION | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | 6 | 2 | 5 | 8 | 4 | 8 | 4 | - | 0 | 1 | 3 | 0 | 0 | 0 | 7 | 2 | 3 | 8 | 4 | 0 5 0 0 0 | | | |
| OPERATING MODE (9) N | | | THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11) | | | | | | | | | | | | | | | | | | | | |
| POWER LEVEL (10) 0 1 2 1 0 | | | 20.402(b) | | | | 20.406(c) | | | | <input checked="" type="checkbox"/> 50.73(a)(2)(iv) | | | | 73.71(b) | | | | | | | | |
| | | | 20.406(a)(1)(i) | | | | 50.36(c)(1) | | | | 50.73(a)(2)(v) | | | | 73.71(c) | | | | | | | | |
| | | | 20.406(a)(1)(ii) | | | | 50.36(c)(2) | | | | 50.73(a)(2)(vi) | | | | OTHER (Specify in Abstract below and in Text, NRC Form 366A) | | | | | | | | |
| | | | 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)(ix) | | | | | | | | | | | | |
| LICENSEE CONTACT FOR THIS LER (12) | | | | | | | | | | | | | | | | | | | | | | | |
| NAME ROBERT T. LIENO, MAINTENANCE SUPERINTENDENT | | | | | | | | | | TELEPHONE NUMBER AREA CODE 3 1 5 3 4 2 - 3 8 4 0 | | | | | | | | | | | | | |
| COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13) | | | | | | | | | | | | | | | | | | | | | | | |
| CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NPDOS | | CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NPDOS | | | | | | | | | | | | | |
| X | J | I | F | I | L | T | A | Q | 1 | 4 | N | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| SUPPLEMENTAL REPORT EXPECTED (14) | | | | | | | | | | | | | | | | EXPECTED SUBMISSION DATE (15) | | MONTH | DAY | YEAR | | | |
| 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)

During a plant startup while placing the main generator in service a reactor scram occurred. The scram was caused by high reactor pressure which resulted when the turbine bypass valves failed closed. Pressure peaked at approximately 1060 psig, well below the lowest safety relief valve setpoint. The scram transient proceeded normally with no other major malfunctions or incidents. The plant was subsequently placed in cold shutdown while the problem was investigated. The cause of the scram was the plugging of hydraulic fluid filters on the servoactuators for two of the bypass valves. Since reactor pressure was properly controlled by the scram and no other incidents occurred during the transient, this event did not significantly degrade the health and safety of the public.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

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|--|---|----------------|----------------------|--------------------|----------|--|
| FACILITY NAME (1) JAMES A. FITZPATRICK NUCLEAR POWER PLANT | DOCKET NUMBER (2) 0 5 0 0 0 3 3 3 8 4 - 0 1 3 - 0 0 0 2 of 0 2 | LER NUMBER (6) | | | PAGE (3) | |
| | | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | | |
| | | | | | | |

TEXT (If more space is required, use additional NRC Form 365A's) (17)

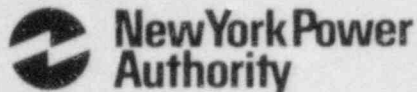
During a plant startup a reactor scram occurred due to a high reactor pressure transient. During the roll of the main turbine as the turbine control valves were being opened to bring the turbine up to speed Electronic Hydraulic Control (EHC) pressure decreased due to the increased demand. During this hydraulic pressure decrease the turbine bypass valves closed. The bypass valves were controlling reactor pressure at the time. Reactor pressure spiked to approximately 1060 psig. A reactor scram occurred as the result of high pressure signals to RPS (setpoint <1045 psig). Power decreased rapidly upon the scram thereby limiting the peak pressure that occurred. Vessel pressure was significantly below the safety relief valve setpoints.

The scram transient proceeded normally. Systems performed without further malfunctions. The plant was placed in cold shutdown during the scram investigation.

The cause of the turbine bypass valve closure was determined to be clogged hydraulic fluid filters on the servoactuators for the valves. With the filters clogged the EHC system pressure dip caused by turbine control valve motion resulted in the bypass valves closure. Additional maintenance done during the investigation included replacement of erratic servoactuators on two of the bypass valves and replacement of EHC pump discharge filters. Long term corrective action will be the periodic replacement of the hydraulic fluid filters on the inlet to the servoactuators.

The transient was much less severe than the turbine trip without bypass abnormal operational transient. Because of this and the fact that systems operated as designed, the event did not represent a significant hazard to the public's health and safety.

James A. FitzPatrick
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315 342.3840



Corbin A. McNeill, Jr.
Resident Manager

July 23, 1984
JAFP-84-0706

Document Control Desk
United States Nuclear Regulatory Commission
Washington, DC 20555

REFERENCE: DOCKET NO. 50-333
LICENSEE EVENT REPORT: 84-013-00

Dear Sir:

We have enclosed the referenced Licensee Event Report in accordance with 10CFR50.73.

If there are any questions concerning this report, please contact Mr. Robert Liseno at 315-342-3840, extension 220.

Very truly yours,


CORBIN A. McNEILL, JR.
RESIDENT MANAGER

CAM:RTL:nan
Enclosure

CC: Regional Administrator (1)
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LER/OR File

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