

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
Waterford 3 Steam Electric StationDOCKET NUMBER (2)
0 5 0 0 0 3 8 2PAGE (3)
1 OF 0 3TITLE (4)
4160 KV Safety Related BreakersEVENT DATE (5)
MONTH DAY YEAR
0 6 0 8 8 5 8 5

LER NUMBER (6)

SEQUENTIAL NUMBER

REVISION NUMBER

0 2 3

0 0

0 7

0 8

8 5

REPORT DATE (7)

MONTH DAY YEAR

0 7 0 8 8 5

OTHER FACILITIES INVOLVED (8)

FACILITY NAMES

N/A

DOCKET NUMBER(S)

0 5 0 0 0

N/A

0 5 0 0 0

OPERATING MODE (9)
5

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)

20.402(b)

20.406(a)(1)(i)

20.406(a)(1)(ii)

20.406(a)(1)(iii)

20.406(a)(1)(iv)

20.406(a)(1)(v)

20.406(e)

50.36(a)(1)

50.36(c)(2)

50.73(a)(2)(i)

50.73(a)(2)(ii)

50.73(a)(2)(iii)

50.73(a)(2)(iv)

50.73(a)(2)(v)

50.73(a)(2)(vi)

50.73(a)(2)(vii)(A)

50.73(a)(2)(vii)(B)

50.73(a)(2)(x)

73.71(b)

73.71(c)

OTHER (Specify in Abstract below and in Text, NRC Form 365A)

LICENSEE CONTACT FOR THIS LER (12)

NAME
T. Smith, Maintenance Superintendent

TELEPHONE NUMBER

AREA CODE

5 0 4

4 6 4 - 3 1 3 8

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

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) ☐ NO ☒

EXPECTED SUBMISSION DATE (15)

MONTH DAY YEAR

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

ABSTRACT

On June 8, 1985 Waterford 3 Steam Electric Station was in mode 5 (cold shutdown) when Plant Operators, while performing the Integrated Emergency Diesel Generator/Engineered Safety Features Test, could not start Emergency Feedwater Pump A due to a problem with the breaker racking motor interlock. The pump was successfully started after Plant Operators pulled back the latching mechanism, allowing it to spring return to its normal position.

The problem recurred on June 11, and 20, 1985 when the Emergency Feedwater Pump B motor breaker and Emergency Diesel Generator B output breaker, respectively, failed to function properly.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

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

NARRATIVE

On June 8, 1985, at 2116 hours, Waterford 3 Steam Electric Station was in mode 5 (cold shutdown) when Plant Operators, while performing procedure OP-903-069, Integrated Emergency Diesel Generator Engineered Safety Feature Test, could not start Emergency Feedwater Pump A. Plant Operators suspected a problem with the breaker racking motor interlock, and, therefore, sent an operator to the appropriate cubicle. The operator pulled back the racking motor clutch mechanism and allowed it to spring back to its normal position. The interlock closed, and the pump was successfully started at 2121 hours.

Similar events occurred on June 11, and 20, 1985 when the Emergency Feedwater Pump B motor breaker and the Emergency Diesel Generator B output breaker, respectively, failed to function properly. However, for the event on June 11, 1985, the motor breaker for Emergency Feedwater Pump B had to be racked down and then racked up again before the pump could be started.

An investigation by Plant Personnel determined the cause of the problem was the operation of the positive interlock microswitch. The function of the positive interlock is to prevent closing the primary contacts when the breaker is being raised or lowered, and it also prevents raising or lowering a breaker except when the primary contacts are open. Therefore, in order to electrically close the breaker, the microswitch plunger must be fully depressed. However, Maintenance Personnel have discovered that the microswitch plunger does not engage until the final 3/32 of an inch of travel. Therefore, for the above described events, when Operations Personnel attempted to electrically close the breaker the plunger was not fully depressed, preventing the breaker from closing. When Operations Personnel pulled back the racking motor clutch mechanism and then allowed it to spring return, they, in effect, fully depressed the microswitch plunger. This in turn allowed Operations Personnel to electrically close the breaker.

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TEXT (If more space is required, use additional NRC Form 366A's) (17)

SAFETY CONSEQUENCES AND IMPLICATIONS

The above described events occurred when Waterford 3 was in mode 5 (cold shutdown). Since the equipment in question satisfactorily passed all of the associated surveillances prior to the event described above, it is felt that they would have performed their intended function during plant power operations.

CORRECTIVE ACTION

To prevent this from recurring, Operations Personnel are being trained on the proper operation of the General Electric Magne-Blast Air Circuit Breaker. Until this task is completed, Electrical Maintenance Personnel will perform continuity checks on each 4160 kV safety related breaker before it is placed into service following maintenance. Also, Operations Personnel have put together a breaker checklist which is to be used when "racking in" the 4160 kV breakers.

General Electric Corporation has been appraised of the above problem.

SIMILAR EVENTS

NONE

PLANT CONTACT

T. Smith, Maintenance Superintendent, 504/464-3138



LOUISIANA
POWER & LIGHT

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NEW ORLEANS, LOUISIANA 70174-8008 • (504) 388-2345

July 8, 1985

W3P85-1423
A4.05

Director, Office of Nuclear Reactor Regulation
ATTENTION: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Waterford 3 SES
Docket No. 50-382
License No. NPF-38
Reporting of Licensee Event Report

Dear Sirs:

Attached is Licensee Event Report Number LER-85-023-00 for the Waterford 3 Steam Electric Station. This Licensee Event Report is submitted per 10CFR50.73(a)(2)(v).

Very truly yours,

K.W. Cook
Nuclear Support & Licensing Manager

KWC:GEW:sms

Attachment

cc: R.D. Martin, G.W. Knighton, D.M. Crutchfield, NRC Resident Inspectors
Office, INPO Records Center (J.T. Wheelock), B.W. Churchill,
W.M. Stevenson

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