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EXT (if more appear is required, use additional ARC form 3864 2) (17)

REPORTED CONDITION

On 9/23/86 at 1413, with the unit operating at 100 percent reactor power, a Reactor Water Cleanup (RWCU) system isolation occurred during the performance of a Surveillance Test Procedure (STP-207-4210), "Main Steam Line Tunnel Timer Quarterly CHCAL", when an electrical jumper was inadvertently grounded.

INVESTIGATION

The surveillance test procedure (STP) requires an electrical jumper to be installed to simulate a timer start signal for the Main Steam Line (MSL) Tunnel Isolation Delay Timer E31-R617F. While installing the jumper it was inadvertently grounded causing fuse 1E31-F2B to blow and subsequently interrupting Division II RWCU and MSL Tunnel temperature instrument power. The RWCU System automatically isolated upon the loss of power.

Similar spuriously generated system isolations have occurred as previously reported in LER's 85-019, 85-020, 85-023 and 86-010.

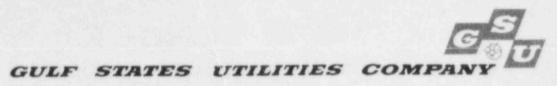
CORRECTIVE ACTION

The blown fuse was replaced and the RWCU Isolation was reset. To aid in preventing recurrence Modification Request 86-539 was implemented per Maintenance Work Request (MWR) 39898. The modification installed "Banana Plugs" at the connection points at which the procedure requires the jumper to be installed. The "Banana Plugs" reduce the possibility of grounding by providing more accessible connections. Upon completion of MWR 39898 the MSL Tunnel Temperature Isolation Delay Timer was demonstrated OPERABLE by the successful completion of STP-203-4210 on 10/11/86.

Additional generic corrective action is continuing to review the performance of all instrument and controls surveillance test procedures for any jumper locations which are in confined areas.

SAFETY ASSESSMENT

The health and safety of the public were not affected as a result of the actuation of this engineered safety feature. The RWCU system isolated as designed in response to the spuriously generated isolation signal.



RIVER BEND STATION POST OFFICE BOX 220 ST FRANCISVILLE LOUISIANA 70775 AREA CODE 5:34 635-6094 346-8651

> October 29, 1986 RBG- 24626 File Nos. G9.5, G9.25.1.3

U.S. Nuclear Regulatory Commission Document Control Desk Washington, D. C. 20555

Dear Sir:

River Bend Station - Unit 1 Docket No. 50-458

Please find enclosed Licensee Event Report No. 86-057 for River Bend Station - Unit 1. This report is submitted pursuant to 10CFR50.73.

Sincerely,

J. E. Booky

J. E. Booker Manager-River Bend Oversight River Bend Nuclear Group

JEB/TFP/PDG/DAS/je

cc: U.S. Nuclear Regulatory Commission 611 Ryan Plaza Drive, Suite 1000 Arlington, TX 76011

> INPO Records Center 1100 Circle 75 Parkway Atlanta, GA 30339-3064