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U. S. Nuclear Regulatory Commission
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Subject: River Bend Station - Unit 1
Docket No. 50-458
Special Report (Supplement) - Failure of Division II EDG Ventilation Fan Breaker

File No.: G9.5, G9.25.1.7

RBG-42170
RBF1-95-0270

Gentlemen:

This supplement provides additional information concerning an invalid failure of the Division II Emergency Diesel Generator (EDG) on January 19, 1995. River Bend Station submitted the final Special Report for this event on September 22, 1995. The failure occurred when the diesel room standby ventilation fan failed to auto-start during the monthly operability test. After the event, onsite testing failed to conclusively identify the root cause of the failure and the breaker was sent to the General Electric (GE) Service Center for further testing. Testing of the breaker was completed by GE in July 1995. Entergy Operations, Inc. (EOI), provided the root cause assessment in the final report, thereby completing the reporting requirements for this event.

The extensive testing, both onsite and at the GE Service Center, could not repeat the failure-to-close. Onsite testing identified intermittent operation of a normally closed contact associated with the bell alarm feature of the subject GE AKR-30 breaker which prevents closing the breaker after a trip device actuation without first operating the reset button at the breaker. The intermittent opening of this contact would have prevented breaker closure; however, this condition could not be duplicated at the GE Service Center. In total, the breaker was successfully cycled 75 times with no failures. Due to the depth of the investigation and comprehensive testing which failed to conclusively duplicate the breaker failure, it is believed that this event was an isolated occurrence caused by intermittent operation of the bell alarm feature.

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Special Report (Final-Supplement) - Failure of Division II EDG Ventilation Fan Breaker

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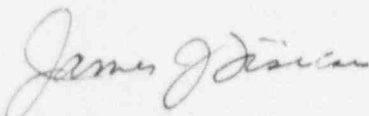
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Subsequent to the event, a replacement breaker was installed and verified operable. As a result of the initial observations, EOI also committed to replace the bell alarm feature on the current spare breaker (breaker tested by GE). However, during initial replacement activity for the bell alarm device, one side of the sleeve/bushing which operates the bell alarm device was found to have a groove worn in the sleeve which could have caused the intermittent operation. The sleeve was changed out with a new one from spare inventory and the bell alarm device was verified to be operating normally. It should be noted that this breaker has been completely overhauled by changing the entire breaker mechanism. Due to the discovery of the worn bushing and it's subsequent replacement, EOI has determined that replacement of the entire bell alarm feature on the current spare breaker is not necessary.

If there are any questions concerning this issue, please contact D. N. Lorring at (504) 381-4157.

Sincerely,



WJF/jr

xc: U. S. Nuclear Regulatory Commission

NRC Sr. Resident Inspector

INPO Records Center

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