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 GROBE, J.A. Region 3 (Post 820201)
RECIP.NAME **RECIPIENT AFFILIATION**
 POWERS, R.P. American Electric Power Co., Inc.

SUBJECT: Forwards insp repts 50-315/99-11 & 50-316/99-11 on 990426-30. No violations noted. Circumstances surrounding two electrical faults associated with motor control centers 2-AM-B & 12-TSC-S which occurred on 990419 & 24 reviewed.

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May 26, 1999

Mr. R. P. Powers
Senior Vice President
Nuclear Generation Group
American Electric Power Company
500 Circle Drive
Buchanan, MI 49107-1395

SUBJECT: NRC INSPECTION REPORT 50-315/99011(DRS); 50-316/99011(DRS)

Dear Mr. Powers:

On April 30, 1999, the NRC completed a special inspection at your D. C. Cook facility. The enclosed report presents the results of that inspection.

The purpose of the inspection was to review the circumstances surrounding two electrical faults associated with motor control centers 2-AM-B and 12-TSC-S which occurred on April 19, and April 24, 1999, respectively. To evaluate the engineering implications associated with these events, the inspector focused on the licensee's root cause investigation of the failures, the operability of the electrical distribution systems required to support the current cold shutdown plant condition, and the licensee's engineering-related corrective actions.

Following a review of these events, the NRC determined that the root cause investigations for the electrical faults were promptly initiated. The findings indicated that a contributing cause for the electrical fault in motor control center 2-AM-B was excessive dirt and dust in the breaker cubicle due to inadequate cleaning; and that the electrical fault in motor control center 12-TSC-S was caused by a random age-related failure of the control power transformer.

In addition, the NRC concluded that planned long-term corrective actions to address the motor control center failures, which included extensive breaker refurbishments and motor control center cleaning activities prior to plant restart, were thorough and comprehensive. However, the NRC identified a number of nonsafety-related breakers important for the current plant condition which had not been prioritized for refurbishment and cleaning.

Finally, since the simultaneous failure of circuit breakers due to faults in redundant divisions was remote, and previous surveillance testing results were acceptable, the NRC concluded that there was reasonable assurance that the electrical distribution systems required for cold shutdown plant operation were capable of performing their function.

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G PDR



In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be placed in the NRC Public Document Room.

Sincerely,

Original /s/ J. A. Grobe

John A. Grobe, Director
Division of Reactor Safety

Docket Nos. 50-315; 50-316
License Nos. DPR-58; DPR-74

Enclosure: Inspection Report 50-315/99011(DRS);
50-316/99011(DRS)

cc w/encl: A. C. Bakken III, Site Vice President
M. Rencheck, Vice President, Nuclear Engineering
D. Cooper, Plant Manager
R. Whale, Michigan Public Service Commission
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