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July 20, 2006

Mr. M. Nazar
Senior Vice President and
Chief Nuclear Officer
Indiana Michigan Power Company
Nuclear Generation Group
One Cook Place
Bridgman, MI 49106

SUBJECT: D. C. COOK NUCLEAR POWER PLANT, UNITS 1 AND 2
NRC SECURITY BASELINE INSPECTION REPORT 05000315/2006012;
05000316/2006012

Dear Mr. Nazar:

On June 30, 2006, the US Nuclear Regulatory Commission (NRC) completed a security baseline inspection at your D. C. Cook Nuclear Power Plant. The inspection covered one or more of the key attributes of the security cornerstone of the NRC's Reactor Oversight Process. The enclosed inspection report documents the inspection results, which were discussed on June 30, 2006, with Mr. J. Jensen and other members of your staff.

The inspection examined activities conducted under your license as they relate to security and compliance with the Commission's rules and regulations and with the conditions of your license. The inspector reviewed selected procedures and records, observed activities, and interviewed personnel.

No findings of significance were identified.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the

EXEMPT FROM PUBLIC DISCLOSURE

May be exempt from public release under the Freedom of Information Act (5 U.S.C. 552)

Exemption number: 5
Nuclear Regulatory Commission review required before public release.

Joseph Maynen, RIII/DRS/PSB
Name and organization of person making determination.

Date of determination: 07/05/06

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Should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,

/RA by T. Madedo acting for/

Kenneth Riemer, Chief
Plant Support Branch
Division of Reactor Safety

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

Enclosure: Inspection Report 05000315/2006012; 05000316/2006012
w/Attachment: Supplemental Information

cc w/encl: B. Westreich (NSIR/DNS)
NSIR/DNS/RSS/Licensing Assistant
State Liaison Officer, State of Michigan

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cc w/o encl: J. Jensen, Site Vice President
L. Weber, Plant Manager
G. White, Michigan Public Service Commission
L. Brandon, Michigan Department of Environmental Quality -
Waste and Hazardous Materials Division
Emergency Management Division
MI Department of State Police
D. Lochbaum, Union of Concerned Scientists

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