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**Indiana Michigan Power**  
One Cook Place  
Bridgman, MI 49106  
IndianaMichiganPower.com

January 7, 2011

AEP-NRC-2011-3

Docket Nos.: 50-316

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555-0001

Donald C. Cook Nuclear Plant Unit 2  
SUBMITTAL OF NON-COMPLIANCE NOTIFICATION FOR  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT MI0005827

In a letter dated December 9, 2010, Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant (CNP) Unit 2, submitted a non-compliance notification for National Pollutant Discharge Elimination System Permit MI0005827 to the Michigan Department of Natural Resources and Environment. On December 6, 2010, at 0015 hours, a routine visual observation of Internal Outfall 00B, Unit 2 Steam Generator Blowdown, indicated a very slight turbidity from suspended solids, or "unsatisfactory" condition. This is an expected condition as the plant is returned to service from a refueling outage where the steam generators sit stagnant for a period of time. An additional sample was taken December 7, 2010, at 0020 hours with satisfactory test results. The event lasted for approximately 24 hours, and the condition does not pose a threat to the health and safety of the public. Visual observations of Outfall 001 and 002 for December 6 and December 7 were satisfactory.

In accordance with Section 5.4.2 of Part II of Appendix B of the Environmental Technical Specifications for CNP, a copy of the notification is included as an attachment to this letter.

This letter contains no new commitments. Should you have any questions regarding this notification, please contact Jon H. Harner, Environmental Manager, at (269) 465-5901, extension 2102.

Sincerely,

Michael K. Scarpello  
Regulatory Affairs Manager

JEN/jmr

Attachment

COO1  
HKK

c: J. T. King – MPSC, w/o attachment  
S. M. Krawec - AEP Ft. Wayne, w/o attachment  
MDNRE – WHMD/RPS, w/o attachment  
NRC Resident Inspector  
M. A. Satorius – NRC Region III  
P. S. Tam – NRC Washington DC

ATTACHMENT TO AEP-NRC-2011-3

NON-COMPLIANCE NOTIFICATION FOR  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT MI0005827



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One Cook Place  
Bridgman, MI 49106  
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December 9, 2010

AEP-MDNRE-2010-7

Mr. Greg Danneffel, District Supervisor  
Michigan Department of Natural Resources and Environment  
Surface Water Quality Division  
7953 Adobe Road  
Kalamazoo, MI 49009

Subject: Indiana Michigan Power Company  
Donald C. Cook Nuclear Plant  
Non-Compliance Notification for National Pollutant Discharge Elimination System  
(NPDES) Permit MI0005827

Dear Mr. Danneffel:

This notification is provided as required by Part II, Section C.6.b, "Noncompliance Information," and Part II, Section D.1, "duty to comply," of NPDES Permit MI0005827.

On December 6, 2010, at 0015 hours, a routine visual observation of Internal Outfall 00B, Unit 2 Steam Generator Blowdown, indicated a very slight turbidity from suspended solids, or "unsatisfactory" condition. This is an expected condition as the plant is returned to service from a refueling outage where the steam generators sit stagnant for a period of time. An additional sample was taken December 7, 2010, at 0020 hours with satisfactory test results. The event lasted for approximately 24 hours, and the condition does not pose a threat to the health and safety of the public. Visual observations of Outfall 001 and 002 for December 6 and 7 were satisfactory.

Should you have any questions, please contact me at (269) 465-5901, extension 2102.

Sincerely,

A handwritten signature in cursive script that reads "Jon H. Harner".

Jon H. Harner  
Environmental Manager

BKZ/jen

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this and all attached documents, and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



Jon H. Harner  
Environmental Manager