



**INDIANA
MICHIGAN
POWER**

A unit of American Electric Power

Indiana Michigan Power
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
AEP.com

April 29, 2005

AEP:NRC:2401-13

Docket Nos: 50-315
50-316

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop O-P1-17
Washington, D.C. 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2
SUBMITTAL OF NON-COMPLIANCE NOTIFICATION FOR
NPDES PERMIT MI0005827.

In a letter dated April 29, 2005, Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant (CNP) Units 1 and 2, submitted a non-compliance notification for NPDES Permit MI0005827 to the Michigan Department of Environmental Quality. On April 27, 2005, a routine visual observation of Internal Outfall 00A, Unit 1 Steam Generator Blowdown, indicated a very slight turbidity from suspended solids, or "unsatisfactory" condition. It is, however, an expected condition as the plant is returned to service from a refueling outage. Test results from an additional sample taken approximately 3.5 hours later were satisfactory. Visual observations of external outfalls 001 and 002 for April 27, 2005, were satisfactory.

In accordance with Section 3.2 of Part II of Appendix B of the Environmental Technical Specifications for CNP, a copy of the notification is being provided to the Nuclear Regulatory Commission as an attachment to this letter.

This letter contains no new commitments.

Should you have any questions or concerns regarding this notification, please contact John P. Carlson, Environmental Manager, at (269) 465-5901, extension 1153.

Sincerely,


Joseph N. Jensen
Site Vice President

JEN/jn

attachment

COOL

c: J. L. Caldwell – NRC Region III
K. D. Curry - AEP Ft. Wayne, w/o attachment
J. T. King – MPSC, w/o attachment
C. F. Lyon – NRC Washington DC
MDEQ – WHMD/HWRPS, w/o attachment
NRC Resident Inspector

ATTACHMENT TO AEP:NRC:2401-13

NON-COMPLIANCE NOTIFICATION FOR
NPDES PERMIT MI0005827



**INDIANA
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**Indiana Michigan
Power Company**
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106

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

April 29, 2005

Re: American Electric Power Company
Donald C. Cook Nuclear Plant
NPDES Permit No. MI0005827

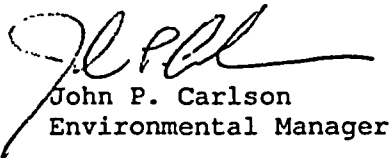
Dear Mr. Danneffel:

This notification is provided as required by Part II, Section C.6 "Noncompliance Notification" of NPDES Permit MI0005827.

On April 27, 2005, at 0012, a routine visual observation of Internal Outfall 00A Unit 1 Steam Generator Blowdown indicated a very slight turbidity from suspended solids, or "unsatisfactory" condition. This is the first "unsatisfactory" condition since we switched from total suspended solids to visual observation for steam generator blowdown samples in the new permit. 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 April 27, 2005, at 0330; the result of this test was satisfactory. The condition does not pose a threat to the health and safety of the public. Visual observations of both the plants external outfalls 001 and 002 for April 27, 2005 were satisfactory.

Please contact me at (269) 465-5901 ext. 1153 if you have any questions regarding this information.


Sincerely,


John P. Carlson
Environmental Manager

c: Mr. John Vollmer - MDEQ

Mr. Greg Danneffel
NPDES Noncompliance Notification
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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.



J. P. Carlson
Environmental Manager