



**INDIANA  
MICHIGAN  
POWER®**

A unit of American Electric Power

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

June 27, 2012

AEP-NRC-2012-55  
10 CFR 50.4

Docket Nos.: 50-315  
50-316

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

Donald C. Cook Nuclear Plant Units 1 & 2  
NOTIFICATION OF NPDES PERMIT NO MI0005827 NON COMPLIANCE

In a letter dated June 15, 2012, Indiana Michigan Power Company (I&M), the licensee for Donald C. Cook Nuclear Plant (CNP) Units 1 and 2, submitted a notification of non compliance to the Michigan Department of Environmental Quality. The non compliance was a failure to obtain a Reverse Osmosis System Reject weekly sample for Total Suspended Solids during the reporting week May 27, 2012, through June 2, 2012.

A copy of the notification is being provided, as an enclosure to this letter, in accordance with CNP's Environmental Technical Specification, Part II - Nonradiological Environmental Protection Plan, Section 5.4.2.

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

Sincerely,

Michael K. Scarpello  
Regulatory Affairs Manager

KMH/dmb

Enclosure:

Letter Dated June 15, 2012, Notification of NPDES Permit No. MI0005827 Non Compliance

COOL  
HRR

- c: C. A. Casto – NRC Region III
- J. T. King - MPSC
- S. M. Krawec – AEP Ft Wayne
- MDEQ- RMD/RPS
- NRC Resident Inspector
- P. S. Tam, NRC Washington DC

**ENCLOSURE TO AEP-NRC-2012-55**

**LETTER DATED JUNE 15, 2012**

**NOTIFICATION OF NPDES  
PERMIT NO. MI0005827 NON COMPLIANCE**



**INDIANA  
MICHIGAN  
POWER**

*A unit of American Electric Power*

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

Mr. Kameron Jordan; District Supervisor  
Michigan Department of Environmental Quality  
Surface Water Quality Division  
7953 Adobe Road  
Kalamazoo, MI 49009

June 15, 2012

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

Dear Mr. Jordan:

This notification is made pursuant to Cook Nuclear Plant's NPDES Permit MI 0005827, Part II. Section C. 6.b, Noncompliance Notification - Other Reporting.

During the reporting week of May 27 - June 2, 2012, we failed to obtain a Reverse Osmosis System Reject (Outfall 00G) weekly sample for Total Suspended Solids during a discharge period. Reverse Osmosis Reject flow Total Suspended Solids samples taken on May 15, and June 8 were both <4.0 ppm. This noncompliance does not pose a threat to the environment, public health, or safety.

A new process has been introduced that requires a review near the end of the week to ensure that all permit related analyses have been completed.

Please contact me at telephone (269) 465-5901 ext. 2102 if you have any questions regarding this information.

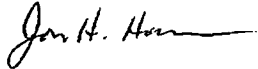
Sincerely,

Jon H. Harner  
Environmental Manager  
Donald C. Cook Nuclear Plant

c: Mr. Steve Norton, MDEQ - Kalamazoo  
USNRC per Appendix B. T.S.

Mr. Kameron Jordan  
Outfall 00G missed TSS sample  
Page 2  
June 15, 2012

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.H. Harner  
Environmental Manager