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

June 9, 2010

AEP-NRC-2010-52

Docket No.: 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 SPILL NOTIFICATION FOR  
GROUNDWATER PERMIT NO. GW1810102

In a letter dated May 21, 2010, Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant (CNP) Unit 2, submitted a spill notification for Groundwater Permit GW1810102 to the Michigan Department of Natural Resources and Environment (MDNRE). On May 14, 2010, at 1030 hours, CNP determined that an observed sheen on the absorption pond (Outfall OOD) was reportable to the MDNRE. Approximately 2 gallons of diesel fuel oil had been released to the pond. The source of the fuel oil is believed to be from a manual pump-out of the Unit 2 CD Emergency Diesel Generator pit sump that was done due to the failure of the installed sump pump.

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 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

c: T. A. Beltz – NRC Washington DC  
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

0001  
LHR

**ATTACHMENT TO AEP-NRC-2010-52**

**SPILL NOTIFICATION FOR  
GROUNDWATER PERMIT GW1810102**



A unit of American Electric Power

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

May 21, 2010

AEP-MDNRE-2010-2

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

Subject: Indiana Michigan Power Company  
Donald C. Cook Nuclear Plant  
Groundwater Permit No. GW1810102

Dear Mr. Danneffel:

This notification is made pursuant to Donald C. Cook Nuclear Plant's (CNP) Groundwater Permit GW1810102, Part II, Section 12, Spill Notification.

On May 14, 2010, at 1030 hours, CNP determined that an observed sheen on the absorption pond (Outfall OOD) was reportable. Approximately 2 gallons of diesel fuel oil had been released to the pond. Notification to the Local Emergency Planning Committee (LEPC) was completed on May 14, 2010, at 1036 hours, and the Pollution Emergency Alert System was notified of the condition at 1040 hours. The source of the fuel oil is believed to be from a manual pump-out of the Unit 2 CD Emergency Diesel Generator pit sump that was done due to the failure of the installed sump pump.

The oil in the absorption pond was recovered using absorbent materials. Most of the oil was absorbed by the preventive measures installed as a result of the September 2008 turbine failure. The absorbent material was also properly disposed. No oil was discharged to Lake Michigan. This spill does not pose a threat to the environment, public health, or safety. The on-site absorption pond was cleaned of the spilled oil by May 17, 2010. This material has a definite diesel odor, but does not exhibit the normal sheening characteristic found in fuel oil spills. If any further cleanup operations are needed, absorbent material will be used. Repair of the Unit 2 CD Emergency Diesel Generator pit sump pump is scheduled for completion in the fall of 2010.

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

Sincerely,

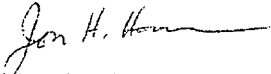
A handwritten signature in cursive script that reads 'Jon H. Harner'.

Jon H. Harner  
Environmental Manager

BKZ/alm

- c: Sgt. Michael Bradley – LEPC
- Ms. Noreen Hughes – Hazardous Substance Emergency Events Surveillance
- Lake Township Fire Chief
- Mr. Michael Mortimore – Berrien County Health Department
- Mr. Steve Norton, MDNRE – Kalamazoo
- Ms. Susan Parker – State Emergency Response Commission
- Ms. Lorraine Thomas, MDNRE – Kalamazoo

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