



**INDIANA  
MICHIGAN  
POWER®**

A unit of American Electric Power

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

July 21, 2011

AEP-NRC-2011-50

Docket Nos.: 50-316

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

Donald C. Cook Nuclear Plant Unit 2  
SUBMITTAL OF SPILL NOTIFICATION FOR NATIONAL POLLUTANT DISCHARGE  
ELIMINATION SYSTEM PERMIT NO. MI0005827

In a letter dated July 7, 2011, Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant (CNP), Unit 2, submitted a spill notification for National Pollutant Discharge Elimination System Permit MI0005827 to the Michigan Department of Environmental Quality. On June 29, 2011, at 1456 hours, the CNP Environmental Department was notified that a submerged sample pump containing a small amount of oil was found to be missing and possibly swept into the Unit 2 Circulating Water (CW) System piping, which discharges to Lake Michigan. The pump assembly contains approximately 0.17 liters of oil. The pump apparently vibrated loose from its mountings due to the turbulent discharge flow from the CW System. It is possible that the pump could be damaged by the high velocity flow and the tortuous path of the discharge piping such that the oil would be released to the environment. Due to the small volume of oil in the pump, this spill does not pose a threat to the environment, or public health and safety.

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

There are no new or revised commitments in this letter. Should you have any questions or concerns regarding this notification, please contact Mr. Jon H. Harner, Environmental Manager, at (269) 465-5901, extension 2102.

Sincerely,

Michael K. Scarpello  
Regulatory Affairs Manager

JEN/jmr

Enclosure

COOL  
MRR

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

ENCLOSURE TO AEP-NRC-2011-50

SPILL NOTIFICATION FOR  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM  
PERMIT NO. MI0005827



A unit of American Electric Power

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

July 7, 2011

AEP-MDEQ-2011-1

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

Subject: Donald C. Cook Nuclear Plant  
NPDES Permit No. MI 0005827

Dear Mr. Jordon:

This notification is made pursuant to the Donald C. Cook Nuclear Plant (CNP) NPDES Permit, MI 0005827, Part II, Section C.7, "Spill Notification."

On June 29, 2011, at 1456 hours, the CNP Environmental department was notified that a submerged sample pump containing a small amount of oil was found to be missing and possibly swept into the Unit 2 Circulating Water (CW) System piping which discharges to Lake Michigan. The pump assembly contains approximately 0.17 liters of oil. The pump may have vibrated loose from its mountings due to the turbulent discharge flow from the CW System. It is possible that the pump could be damaged by the high velocity flow and the tortuous path of the discharge piping such that the oil would be released to the environment. Due to the small volume of oil in the pump, this spill does not pose a threat to the environment, or public health and safety.

On the afternoon of June 29, 2011, CNP personnel performed a visual inspection of the lake surface and the beach in the vicinity of the Unit 2 CW System discharges. No sheen or oil was observed during the inspection. The Michigan Department of Environmental Quality was notified of the spill by telephone at 1545 hours on June 29, 2011. Search and recovery of the pump from the 1200 foot long discharge pipe is not possible due to personnel safety issues. Underwater visual searches for the pump in the area of the CW System discharge are planned for this summer. If located, the pump will be recovered if possible. Based on the small quantity of oil available for potential release, CNP plans no additional preventative measures at this time.

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

Michigan Department of Environmental Quality  
Mr. Kameron Jordon  
AEP-MDEQ-2011-1  
Page 2

JRW/jmr

c: Sgt. Michael Bradley – LEPC  
Ms. Noreen Hughes – HSEES  
Lake Township Fire Chief  
Mr. Michael Mortimore – BCHD  
- Mr. Steve Norton, MDEQ – Kalamazoo  
Ms. Susan Parker – SERC  
Ms. Lorraine Thomas, MDEQ - Kalamazoo

Michigan Department of Environmental Quality  
Mr. Kameron Jordon  
AEP-MDEQ-2011-1  
Page 3

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.

A handwritten signature in cursive script that reads "Jon H. Harner". The signature is written in black ink and is positioned above the printed name and title.

Jon H. Harner  
Environmental Manager