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A unit of American Electric Power

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

May 15, 2012

AEP-NRC-2012-35
10 CFR 50.4

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
NPDES PERMIT NO. GW 0005827

In a letter dated May 2, 2012, Indiana Michigan Power Company (I&M), the licensee for Donald C. Cook Nuclear Plant (CNP) Unit 2, submitted a spill notification to the Michigan Department of Environmental Quality for Groundwater Permit GW 1810102 and National Pollutant Discharge Elimination System (NPDES) Permit MI 0005827. On April 25, 2012, at 2125 hours, CNP Unit 2 Generator Seal Oil South Hydrogen Oil Cooler failed. It was determined approximately 5 gallons of lubricating oil was released to the onsite absorption pond, and an estimated 1800 gallons of oil was contained by CNPs sumps and floor drains.

A copy of the notification is enclosed in accordance with CNPs Environmental Technical Specification, Part II- Nonradiological Environmental Protection Plan, Section 5.4.2.

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

Sincerely,

Michael K. Scarpello
Regulatory Affairs Manager

Enclosure:

Letter from J. H. Harner, Indiana Michigan Power Company, to K. Jordan, Michigan Department of Environmental Quality, "Indiana Michigan Power Company, Donald C. Cook Nuclear Plant, NPDES Permit No. MI0005827, GW Permit No GW 1810102," dated May 2, 2012.

KMH/jmr

COOL
NRR

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

ENCLOSURE TO AEP-NRC-2012-35

LETTER DATED MAY 2, 2012

SPILL NOTIFICATION FOR
GROUNDWATER PERMIT NO. GW1810102



A unit of American Electric Power

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

May 2, 2012

AEP-MDEQ-2012-01

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

Subject: Indiana Michigan Power Company
Donald C. Cook Nuclear Plant
NPDES Permit No. MI 0005827
GW Permit No GW1810102

Dear Mr. Jordan,

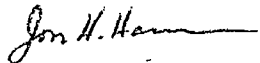
This notification is made pursuant to Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant (CNP) Units 1 and 2, National Pollutant Discharge Elimination System (NPDES) Permit MI 0005827, Part II, Section C.7, "Spill Notification," and Ground Water (GW) Permit GW1810102 Part II, Section 12, "Spill Notification."

On April 25, 2012, at 2125 hours, Unit 2 Generator Seal Oil South Hydrogen Oil Cooler failed. At 2235 on April 25, 2012, it was determined approximately 5 gallons of lubricating oil was released to the onsite absorption pond, and an estimated 1800 gallons of oil was contained by CNPs sumps and floor drains. The oil cooler was isolated and repaired. Concrete containments and floors were cleaned using oil absorbent pads and oil dry material. Sheen in the absorption pond was remediated using oil booms and drape booms. Oil was removed and drummed. Absorbent material was disposed of properly. No oil was discharged to Lake Michigan. This spill does not pose a threat to the environment, public health, or safety. The majority of the oil in the building sumps and drains has been recovered and properly disposed of. Final cleanup operations will continue using absorbent material. Notifications were completed as follows:

- Nuclear Regulatory Commission was notified April 26, 2012, at 0121 hours (this notification was made in accordance with 10 CFR 50.72(b)(2)(xi), Event 47864)
- Local Emergency Planning Committee was notified April 25, 2012, at 2246 hours
- Pollution Emergency Alert System was notified April 25, 2012, at 2248 hours
- Michigan Department of Environmental Quality was notified April 25, 2012, at 2248 hours
- Courtesy status call to Michigan Department of Environmental Quality completed April 26, 2012, at 0830 hours

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

Sincerely,



Jon H. Harner
Environmental Manager

KMH/jmr