

May 15, 2012

AEP-NRC-2012-37  
10 CFR 50.4

Docket No: 50-315  
50-316

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

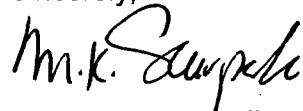
Donald C. Cook Nuclear Plant Units 1 & 2  
SUBMITTAL OF TURBINE ROOM SUMP  
pH LOWER LIMIT EXCEEDANCE

In a letter dated May 2, 2012, Indiana Michigan Power Company (I&M), the licensee for Donald C. Cook Nuclear Plant (CNP) Units 1 and 2, submitted a notification of Turbine Room Sump (Outfall 00D) pH lower limit of 6.5 exceedance for Groundwater Permit GW 1810102 to the Michigan Department of Environmental Quality. On April 29, 2012, between 1756 hours and 1908 hours, the Turbine Room Sump pH lower limit of 6.5 was exceeded. During this period of discharge, approximately 49,000 gallons of pH 6.13-6.52 water was discharged to the onsite absorption pond. Absorption pond pH value was 7.98, indicating the discharge had little effect on the ponds overall pH.

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

C 001  
NRC

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-2012-37

LETTER DATED MAY 2, 2012

pH LOWER LEVEL LIMIT EXCEEDANCE FOR  
GROUNDWATER PERMIT NO. GW1810102



**INDIANA  
MICHIGAN  
POWER**

A unit of American Electric Power

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

May 2, 2012

AEP-MDEQ-2012-02

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, Ground Water Permit GW1810102 Part I, Section 11b, Compliance Requirements.

On April 29, 2012, between 1756 hours, and 1908 hours, the Turbine Room Sump (Outfall 00D) pH lower limit of 6.5 was exceeded. During this period of discharge, approximately 49,000 gallons of pH 6.13-6.52 water was discharged to the onsite absorption pond. A sample of the absorption pond was obtained and analyzed April 30, 2012, at 0930 hours. Absorption pond pH value was 7.98, indicating the discharge had little effect on the pond's overall pH. On Monday, April 30, 2012, I&M staff contacted your office and provided verbal notification of this exceedance.

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

Sincerely,

Jon H. Hamer  
Environmental Manager

KMH/jmr