



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

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

C001
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
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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