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

June 28, 2010

AEP-NRC-2010-54

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 Unit 1 and Unit 2
SUBMITTAL OF NOTIFICATION OF CHANGE IN FACILITY OPERATIONS
NPDES PERMIT NO. MI0005827

In a letter dated June 11, 2010, Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant (CNP) Unit 1 and Unit 2, submitted a notification of change in facility operations for National Pollutant Discharge Elimination System Permit MI0005827 to the Michigan Department of Natural Resources and Environment (MDNRE). Indiana Michigan Power Company is installing a new closed loop cooling system at CNP that will be used to provide a mechanism to maintain reactor containment building air temperatures within specification.

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: 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
P. S. Tam – NRC Washington DC

MOD 6
NRR



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June 11, 2010

AEP-MDNRE-2010-3

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
NPDES Permit No. MI0005827

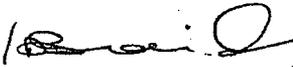
Dear Mr. Danneffel:

This notification is made pursuant to Donald C. Cook Nuclear Plant's (CNP) NPDES Permit MI0005827, Part II. Section C.11, "Changes in Facility Operations."

Indiana Michigan Power Company is installing a new closed loop cooling system at CNP. This system will be used to provide a mechanism to maintain reactor containment building air temperatures within specification. The new system is comprised of two separate systems with a volume of approximately 21,000 gallons each, for a total of 42,000 gallons. The closed loop system will be treated with corrosion control chemicals at concentrations that have been previously approved for use at the site. With the exception of minor equipment leaks, normal system operation will not involve discharge of any chemicals to the environment. This activity will not result in a change in the type of wastewater discharge or result in a greater quantity of wastewater than currently authorized. This activity will not result in violations of the effluent limitation specified in the permit. The corrosion control chemicals are not Bioaccumulative Chemicals of Concern (BCC). This activity will not result in a "Change of Discharge" per Part II.C.10 of the permit.

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

Sincerely,

D. BRONICKI 

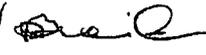
for

Jon H. Harner
Environmental Manager

BKZ/jen/jmr

c: Mr. Steve Norton, 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.

D. BRONICKI / 
for

Jon H. Harner
Environmental Manager