



**INDIANA
MICHIGAN
POWER**

A unit of American Electric Power

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

April 25, 2005

AEP:NRC:2401-12

Docket Nos: 50-315
50-316

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop O-P1-17
Washington, D.C. 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2
SUBMITTAL OF SODIUM HYPOCHLORITE SPILL RETRACTION LETTER

On April 17, 2005, Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant (CNP) Units 1 and 2, reported a potential NPDES exceedance involving sodium hypochlorite to the National Response Center, the Michigan Pollution Emergency Alert System, the Local Emergency Planning Coordinator, and the Lake Township Fire Department. This notification was a precautionary measure because at that time the exact amount of sodium hypochlorite that had been discharged was not known. Later that morning, I&M determined that the reportable quantity had not been exceeded, and a retraction was issued by telephone to the agencies listed above.

In a letter dated April 25, 2005, an official retraction was sent to the Michigan Department of Environmental Quality. In accordance with Section 3.2 of Part II of Appendix B of the Environmental Technical Specifications for CNP, a copy of the retraction is being provided to the Nuclear Regulatory Commission as an attachment to this letter.

This letter contains no new commitments.

Should you have any questions or concerns regarding this notification, please contact John P. Carlson, Environmental Manager, at (269) 465-5901, extension 1153.

Sincerely,

John A. Zwolinski
Safety Assurance Director

JEN/jn

attachment

IE23

c: J. L. Caldwell – NRC Region III
K. D. Curry - AEP Ft. Wayne, w/o attachment
J. T. King – MPSC, w/o attachment
C. F. Lyon – NRC Washington DC
MDEQ – WHMD/HWRPS, w/o attachment
NRC Resident Inspector

ATTACHMENT TO AEP:NRC:2401-12

SODIUM HYPOCHLORITE SPILL RETRACTION LETTER



INDIANA
MICHIGAN
POWER

Indiana Michigan
Power Company
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106

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

April 25, 2005

Re: American Electric Power Company
Donald C. Cook Nuclear Plant
NPDES Permit No. MI0005827

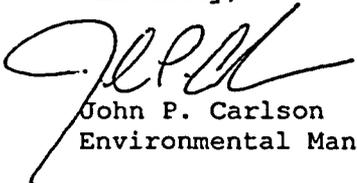
Dear Mr. Danneffel:

Early on April 17, 2005, about 01:43 a.m., we reported a potential NPDES exceedance or "upset" noncompliance in Outfall 001A involving sodium hypochlorite at our facility to the National Response Center, the Michigan Pollution Emergency Alert System, the Local Emergency Planning Coordinator and the Lake Township Fire Department. We did this as a precautionary measure as we did not know the exact amount of sodium hypochlorite that had been discharged and whether a Reportable Quantity (RQ) had been exceeded triggering CERCLA/EPCRA notification. Later that morning, about 03:10 a.m., we determined that the 100 pound RQ was not exceeded, only 1.96 pounds were released and we retracted the notification to all the agencies listed above.

Our data indicated that a maximum value of 0.063 ppm Total Residual Oxidant (TRO) was discharged. This is above our NPDES permit limit of 0.038 ppm for continuous discharge mode but below our intermittent NPDES permit limit of 0.200 ppm TRO. Outfall 001A TRO concentration was below detectable <0.001 ppm at 02:35 a.m. on April 17, 2005. A total of 1.96 pounds of sodium hypochlorite was released. The total amount of chlorination time for the day was 155 minutes. Therefore we are reporting this data set as intermittent chlorination since we isolated the sodium hypochlorination system to Outfall 001A for the rest of the day. It was not necessary to notify the SERC/LEPC or the Fire Department. There are no known anticipated chronic health risks associated with this reporting event. Also, there are no exposed individuals associated with this event and therefore we are not providing medical attention.

Please contact me at (269) 465-5901 ext. 1153 if you have any questions regarding this information.

Sincerely,



John P. Carlson
Environmental Manager

c: Lake Township Fire Department
LEPC
NRC
SERC
Mr. John Vollmer - MDEQ

Mr. Greg Danneffel
4/17/05 NPDES Exceedence Retraction
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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.



J. P. Carlson
Environmental Manager