

Indiana Michigan
Power Company
Cook Nuclear Plant
500 Circle Drive
Buchanan, MI 49107
616-465-5901



June 5, 2001

C0601-13
10 CFR 50.4

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
DAMAGED LAKE WATER INTAKE STRUCTURE
NATIONAL POLLUTANT DISCHARGE ELIMINATION
SYSTEM NOTIFICATION

Indiana Michigan Power Company is the holder of National Pollutant Discharge Elimination System (NPDES) Permit MI0005827 for the Donald C. Cook Nuclear Plant. Section 5.4.2 to Part II of Appendix B (Environmental Technical Specifications) to Facility Operating Licenses DPR-58 and DPR-74 requires reports of non-routine events that are reportable to state agencies to be submitted to the Nuclear Regulatory Commission (NRC).

In a letter dated June 5, 2001, the Michigan Department of Environmental Quality (MDEQ) was notified of a large hole in the lake water intake structure that sometimes caused vortexing on the lake's surface. The notification of the condition was provided to MDEQ per Part II.D.1 of the NPDES permit. In accordance with the Environmental Technical Specifications, a copy of the report is hereby provided to the NRC.

Should you have any questions or concerns regarding this notification, please contact John P. Carlson, Environmental Superintendent, at (616) 465-5901, extension 1153.

Sincerely,

Scot A. Greenlee
Director of Design Engineering and Regulatory Affairs

Attachment

JE23

c: J. E. Dyer
MDEQ – DW & RPD, w/o attachment
NRC Resident Inspector
R. Whale, w/o attachment

ATTACHMENT TO C0601-13

**National Pollutant Discharge Elimination System Notification to
Michigan Department of Environmental Quality**

American Electric Power
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
616 465 5901



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

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

June 5, 2001

Dear Mr. Morley:

The following notification is made pursuant to Cook Nuclear Plant's NPDES permit Part II.D.1 Duty to Comply. Cook Plant learned on May 31, 2001 that the velocity cap on the center intake structure was damaged during the winter. Although this damage has not affected Cook Plant's ability to control treatment systems or its ability to comply with effluent limits specified in the permit, it is an unusual event we believe should be reported.

Divers discovered a large hole (approximately 24' x 20') in the velocity cap. A vortex has sometimes been observed on the lake surface above the center intake because of the hole. Cook Plant plans to close off the center intake until repairs are completed. We are not certain at this time, how long the repairs will take. The repairs must be managed to assure diver safety and license requirements. We believe that closing the intake will result in safer conditions for anyone in this vicinity of the lake and will also reduce the impact to aquatic life (as fish can detect horizontal vectors better than vertical vectors).

Please contact me at telephone (616) 465-5901 extension 1153 if you have any questions regarding this information.

Sincerely,

A handwritten signature in black ink, appearing to read 'J.P. Carlson', is written over the typed name and title.

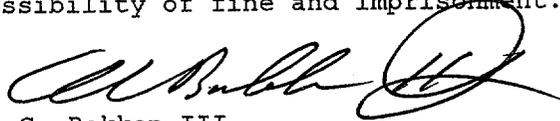
John P. Carlson
Environmental Superintendent
Donald C. Cook Nuclear Plant

#2001-3013

AEP: America's Energy Partner

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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.

A handwritten signature in black ink, appearing to read "A. C. Bakken III". The signature is stylized with a large, circular flourish at the end.

A. C. Bakken III
Site Vice President

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June 5, 2001

bc: A. C. Bakken III
J. M. Brown
J. P. Carlson
R. W. Gaston
C. E. Hawk / A. E. Gaulke
J. E. Pollock
W. H. Schalk
S. C. Sterk
W. D. Wood
B. K. Zordell
MDEQ File
NDM (2001-3013), Mail Zone 1