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 AUTH.NAME      AUTHOR AFFILIATION  
 FITZPATRICK,E.      Indiana Michigan Power Co. (formerly Indiana & Michigan Ele  
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SUBJECT: NPDES noncompliance notification: on 950301, bypass discharge  
 from turbine room sump through emergency over flow piping  
 into intake forebay to Lake Michigan.

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March 20, 1995

AEP:NRG:1208H

Docket Nos.: 50-315  
50-316

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

Gentlemen:

Donald C. Cook Nuclear Plant Units 1 and 2  
TURBINE ROOM SUMP DISCHARGE

This notification is forwarded for your information pursuant to Appendix "B" of the Donald C. Cook Nuclear Plant Environmental Technical Specifications. The subject of this notification concerns a by-pass discharge on March 1, 1995, from the turbine room sump (TRS) through emergency over flow piping into the intake forebay to Lake Michigan.

The cause of the discharge was due to a failure of the regulating valve (DRV-710) to open when signaled. The valve was eventually opened by defeating the air regulator to the valve and manually increasing the air pressure, forcing the valve to open. An action request has been initiated to repair DRV-710. Until DRV-710 is repaired, turbine room sump releases are being controlled by a manual isolation valve. The waters are sampled for pH and batch released via procedure 12-OHP 4021.062.001.

The pH range of the TRS water during the inadvertent discharge to the lake was 8.5 to 9.0. Outfalls 001 and 002 were analyzed for pH and outfall observations were performed at 0830 on March 1, 1995. The pH for outfall 001 water was 8.2. An outfall observation of 1 was made, meaning that the water was free of any unusual characteristics of the discharge, i.e., unusual turbidity, color, oil film, floating solids, foams, settleable solids or deposits. The pH for outfall 002 was 7.9, and an outfall observation of 1 was also made. The maximum estimated flow to the intake forebay was 0.016 million gallons. Five of the plant's seven circulating water pumps were on at the time of the by-pass.

As required by the Cook Nuclear Plant National Pollutant Discharge Elimination System (NPDES) Permit No. MI6005827, written

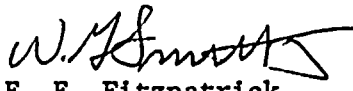
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notification of this event was provided on March 2, 1995, to the Surface Water Quality Division of the Michigan Department of National Resources. This type of discharge is included in the proposed NPDES permit under outfall 00H.

Should you have any questions or concerns regarding this notification, please contact Dane Mazzitti at (614) 223-2085.

Sincerely,

*for*   
E. E. Fitzpatrick  
Vice President

plt

cc: A. A. Blind  
G. Charnoff  
J. B. Martin  
NFEM Section Chief  
J. R. Padgett