

Paulus

PRELIMINARY NOTIFICATION

Date: March 17, 1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-III-80-52

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

Facility: American Electric Power Service Corporation  
Indiana and Michigan Power Company  
D. C. Cook, Units 1 and 2  
Docket Nos: 50-315 and 50-316  
Bridgman, Michigan

Subject: RADIOACTIVE CONTAMINATION OF A PORTION OF PLANT DEMINERALIZED WATER SYSTEM AND POSSIBLE INTERNAL CONTAMINATION OF PERSONNEL

At 2:45 p.m. (EST) the licensee informed the site resident inspector that portions of the plant demineralized water system have been found to be radioactively contaminated. It is believed that the contamination entered the demineralized water system by a syphoning action following the use of a temporary line to add demineralized water to the spent fuel storage pit. This addition of demineralized water was completed on Friday, March 14, 1980. Routine samples of the demineralized water system taken on March 14, 1980, show the system was contamination free at the end of the day shift on March 14, 1980. Samples taken on Monday afternoon, March 17, 1980, show that portions of the system were contaminated to 1.5 E-4  $\mu$ Ci/ml (20 percent of maximum permissible concentration), at that time.

Investigations by the licensee indicate that personnel in the auxiliary building cold lab may have used this contaminated demineralized water to make five pots of coffee. A possibility exists that 23 plant personnel may have consumed this coffee. These 23 individuals are identified and are currently scheduled to be examined utilizing the whole body counter.

The licensee has contacted a radiation management consultant firm (RMC) for additional guidance in this matter.

The licensee will issue a press release March 17, 1980.

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Commissioner Kennedy  
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Commissioner Bradford  
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The State of Michigan will be notified.

A Region III radiation specialist will be sent to the site tomorrow, March 18, 1980, to review the situation.

This information is current as of 4:00 p.m. (EST).

Contact: *W.C.* C. Boyd, RIII 384-2546

*N.E.* E. DuBry, RIII 384-2623

*R.F.* R. F. Reishman, RIII 384-2540

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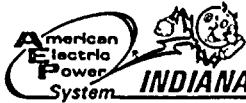
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**INDIANA & MICHIGAN ELECTRIC COMPANY**

DONALD C. COOK NUCLEAR PLANT  
P.O. Box 458, Bridgman, Michigan 49106  
(616) 465-5901

*DBB*

March 17, 1980

Mr. J.G. Keppler, Regional Director  
Office of Inspection and Enforcement  
United States Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Operating License DPR-74  
Docket No. 50-316

Dear Mr. Keppler:

Pursuant to the requirements of the Appendix A Technical Specifications,  
the following report/s are submitted:

RO 80-010/03L-0.

Sincerely,

D.V. Shaller  
Plant Manager

/bab

cc: J.E. Dolan  
R.S. Hunter  
R.W. Jurgensen  
R.F. Kroeger  
R.W. Kilburn  
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