

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8904240452      DOC. DATE: 89/04/14      NOTARIZED: NO      DOCKET #  
 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316  
 AUTH. NAME                      AUTHOR AFFILIATION  
 BAKER, D.L.                      Indiana Michigan Power Co. (formerly Indiana & Michigan Ele  
 RECIP. NAME                      RECIPIENT AFFILIATION  
 KILMER, G.                        Michigan, State of

SUBJECT: Advises that on 890405 personnel discovered small leak in Unit 2 main turbine lubricating oil coolers.

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Indiana Michigan  
Power Company  
One Summit Square  
P.O. Box 60  
Fort Wayne, IN 46801  
219 425 2111



Mr. Galen Kilmer  
District Environmental Response Supervisor  
Michigan Department of Natural Resources  
P. O. Box 355  
Plainwell, Michigan 49080

April 14, 1989

Dear Mr. Kilmer:

On April 5, 1989 at 2:40 p.m., personnel at the Indiana Michigan Power Company (I&M) Cook Nuclear Plant discovered a small leak in one of Unit 2's main turbine lubricating oil coolers. Lake water from the nonessential water system is pumped through cooler tubes to cool the lube oil. This small hole created a connection between the cooler and the nonessential water system which discharges to Lake Michigan. The leaking cooler was isolated on April 5, 1989 thereby preventing any more loss of oil to the nonessential water system.

The exact amount of oil lost is not known, but at the time the cooler tube leak was discovered, the same system experienced an internal leak which accounted for a majority of the initially reported 635 gallons. It is now estimated that the amount of oil that reached Lake Michigan was less than 100 gallons, based on leak rate testing conducted after the cooler was isolated.

An oil and grease analysis performed on a sample taken from the Unit 2 discharge sample point indicated less than detectable values. A physical inspection of the shoreline and nearshore waters revealed no oil present.

The incident was reported by telephone to the National Response Center, report #4941 and the Michigan PEAS on April 5, 1989.

In accordance with 40 CFR 112.4, a detailed report is being prepared to address this incident and the incident of February 24, 1989. A copy of this report will be forwarded to you when complete.

If there are any further questions, please contact David Shipe, Environmental Engineer at 219/425-2123.

Very truly yours,

Donald L. Baker  
Environmental Affairs Director

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PDR ADOCK 05000316  
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Mr. Galen Kilmer  
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bc: A. J. Ahern/T. E. Webb/M. R. Robida  
M. P. Alexich  
P. A. Barrett  
A. A. Blind/J. R. Sampson  
C. E. Hawk  
K. D. Mack  
NRC Resident Inspector - Cook Plant  
PNSRC - Cook Plant  
D. A. Shipe  
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