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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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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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Mr. Galen Kilmer
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