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INDIANA & MICHIGAN POWER COMPANY

P. O. BOX 18
BOWLING GREEN STATION
NEW YORK, N. Y. 10004

November 9, 1979
AEP:NRC:00288

Donald C. Cook Nuclear Plant Units 1 and 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74
Response to IE Bulletin 79-24

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

Dear Mr. Keppler:

This letter responds to your letter dated September 27, 1979 which transmitted to us IE Bulletin 79-24 entitled "Frozen Lines." The results of the review required by this Bulletin are reported below.

A review of the safety related process, sampling and instrument lines at the Donald C. Cook Nuclear Plant Units 1 and 2 has determined that adequate measures have been taken to prevent their freezing during extremely cold weather. Those lines which are exposed to the outdoor environment are protected by our heat tracing system and by insulation.

The safety related heat tracing system employed at the Donald C. Cook Nuclear Plant utilizes two 100 percent capacity safety train oriented heat tape circuits. Each redundant circuit is controlled by a separate thermostat which senses pipe surface temperature via a bulb strapped under the insulation. An alarmstat which has a separate sensing bulb announces low pipe surface temperature both in the control room and on a remote alarm panel. All thermostats are located on outdoor pipe sections in the coldest locations.

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Mr. James G. Keppler, Regional Director

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Based on our review of the design of the redundant heat tracing system and our several years of operating experience, including several severe winters, we conclude that the safety related systems at the Donald C. Cook Nuclear Plant are adequately protected from freezing.

Very truly yours,

John E. Dolan
John E. Dolan
Vice President

JED:em

cc: R. C. Callen
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