

UNITED STATES
 NUCLEAR REGULATORY COMMISSION
 REGION III
 799 ROOSEVELT ROAD
 GLEN ELLYN, ILLINOIS 60137

FEB 18 1977

Consumers Power Company
 ATTN: Mr. Stephen H. Howell
 Vice President
 1945 West Parnall Road
 Jackson, Michigan 49201

Docket No. 50-329
 Docket No. 50-330

Gentlemen:

The enclosed Circular No. 77-02A is forwarded to you for information and action. If there are any questions related to your understanding of the actions indicated, please contact this office.

Sincerely,

James G. Keppler
 James G. Keppler
 Regional Director

Enclosure:
 IE Circular No. 77-02A

cc w/encl:
 ✓ Central Files
 IE Files
 PDR
 Local PDR
 Ronald Callen, Michigan Public
 Service Commission
 Dr. Wayne E. North
 Myron M. Cherry, Chicago

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POTENTIAL HEAVY SPRING FLOODING

DESCRIPTION OF CIRCUMSTANCES:

The purpose of this circular is to inform you that the National Weather Service has predicted that heavy spring flooding in the area from the Missouri River eastward is likely to occur. Ice covers most of the major river and lake systems in this area and the accumulation of ice and snow in the eastern portion has further increased the flooding potential. In some areas the potential spring flooding may equal or exceed floods of record. The degree of flooding is dependent upon the rate of warming trends, ice breakup rates and the occurrence of spring rains. The two enclosed figures from the National Weather Service indicate the principal frozen rivers and areas of greatest flood potential in the northeast and upper midwest. There will also be the possibility of flooding on the Mississippi River below Cairo, Illinois dependent upon runoff in its tributaries. The enclosed maps do not address the potential of the associated effects of ice impact and blockage or additional precipitation on flood related concerns.

ACTION TO BE TAKEN BY LICENSEE:

It is recommended at this time that licensees receiving this circular consider the following items in preparation for potential flooding and the associated effects at facilities under construction. Such conditions could affect safety related structures, systems and components as a result of:

1. Safety related items already in-place and not fully protected.
2. Safety related items in site storage including record vaults containing documentation of safety related items.
3. Effects of any interconnection to operating units.

At this early date, it is not possible to predict the specific time of occurrence, location, or extent of flooding or associated effects. Forecasts regarding flooding or icing can be obtained from the public service forecasters of the U. S. Weather Service Forecast Center in your state. These offices are generally open 24 hours per day. The offices (in the subject area) are advised of river conditions by River Forecast Centers located in Cincinnati, OH; Harrisburg, PA; Hartford, CT; and Kansas City, MO.

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February 18, 1977

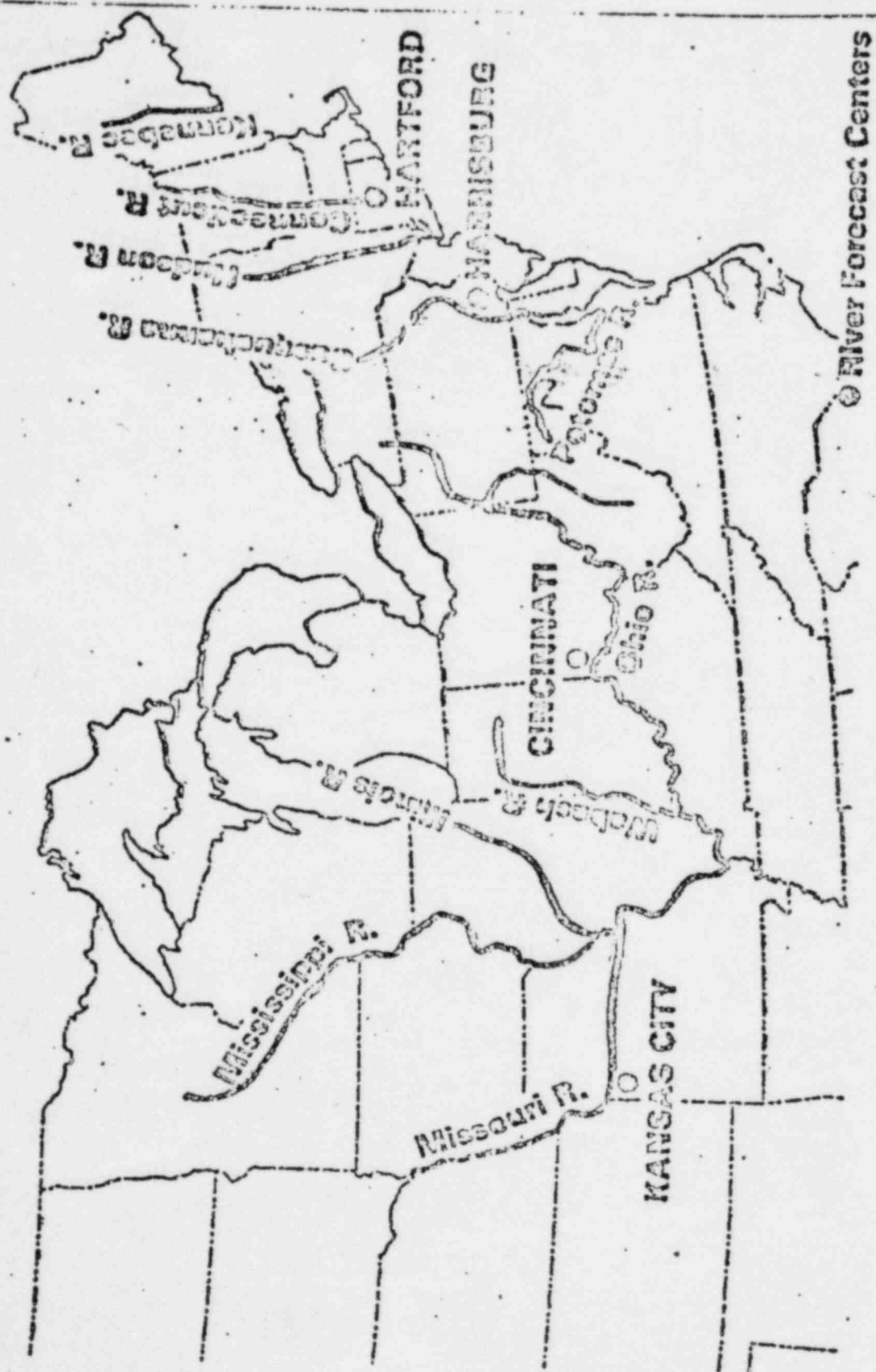
This circular is provided for your information and requires no written reply.

Approval of NRC requirements for reports concerning possible generic problems has been obtained under 44 U.S.C. 3152 from the U. S. General Accounting Office. (GAO Approval B-180255 (R0072), expires 7/31/77).

Attachments:

Two Maps from the National
Weather Service

Principal Frozen Rivers



○ River Forecast Centers

Flood Potential

