

February 16, 1977

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.

IE Circular No. 77-02A

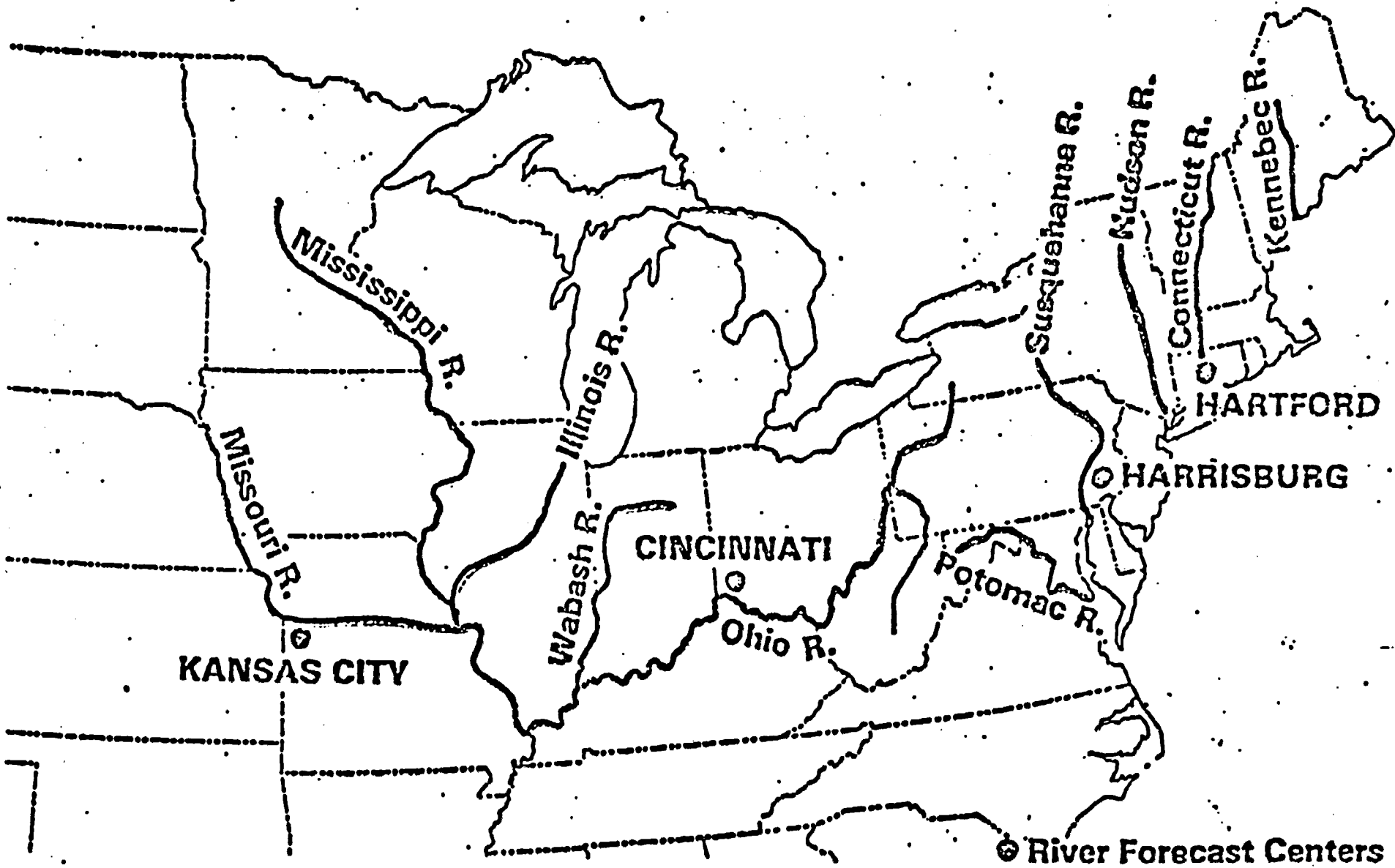
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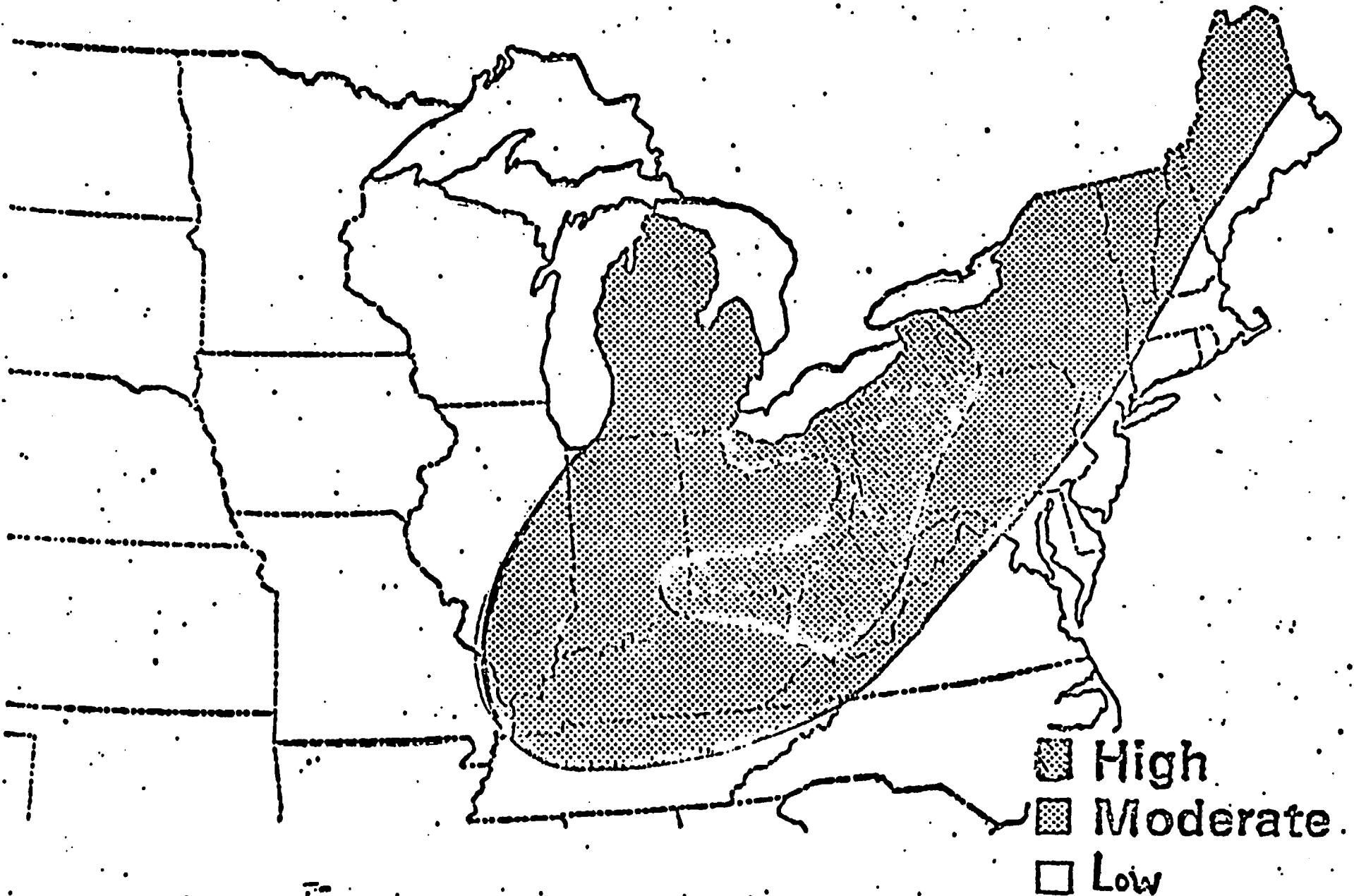
This circular is provided for your information and requires no written reply.

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).

Principal Frozen Rivers



Flood Potential



LIST OF CONSTRUCTION PERMIT HOLDERS
TO RECEIVE IE CIRCULAR 77-02A

Region		
III	Cincinnati Gas & Electric Co. Zimmer, Unit 1	50-358
III	Commonwealth Edison Co. Braidwood, Units 1 & 2 Byron, Units 1 & 2 LaSalle, Units 1 & 2	50-456/457 50-454/455 50-373/374
III	Consumers Power Co. Madland, Units 1 & 2	50-329/330
III	Detroit Edison Company Fermi, Unit 2	50-341
I	Duquesne Light Co. Beaver Valley, Unit 2	50-412
IV*	Gulf States Utilities River Bend, Units 1 & 2	50-458/459
III	Illinois Power Co. Clinton, Units 1 & 2	50-461/462
III	Indiana & Michigan Electric Co. D. C. Cook, Unit 2	50-316
I	Jersey Central Power & Light Co. Forked River, Unit 1	50-363
I	Long Island Lighting Co. Shoreham Station	50-322
IV	Louisiana Power & Light Co. Waterford, Unit 3	50-382
I	Metropolitan Edison Co. Three Mile Island, Unit 2	50-320
II	Mississippi Power & Light Co. Grand Gulf, Units 1 & 2	50-416/417

* Work being completed under LWA.

Region I	Niagara Mohawk Power Co. Nine Mile Point, Unit 2	50-410
I	Northeast Nuclear Energy Co. Millstone, Unit 3	50-423
III	Northern Indiana Public Service Co. Bailly Station	50-367
I	Pennsylvania Power & Light Co. Susquehanna, Units 1 & 2	50-387/388
I	Philadelphia Electric Co. Limerick, Units 1 & 2	50-352/353
I	Public Service Co. of N. H. Seabrook, Units 1 & 2	50-443/444
I	Public Service Electric & Gas Co. Hope Creek, Units 1 & 2 Salem Station, Unit 2	50-354/355 50-311
III	Union Electric Co. Callaway, Units 1 & 2	50-483/486
II	Virginia Electric & Power Co. North Anna, Units 1, 2, 3, & 4 Surry, Units 3 & 4	50-338/339 404/405 50-434/435

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