

Docket File

MAY 1 1969

Docket No. 50-263

Mr. D. F. McElroy
Vice President Engineering
Northern States Power Company
414 Nicollet Mall
Minneapolis, Minnesota 55401

Dear Mr. McElroy:

In reviewing your application for a provisional operating license for the Monticello Nuclear Generating Plant, we find information related to your environmental radiological monitoring program is insufficient.

We discussed a number of our concerns with your representatives at a meeting held on April 1, 1969. Since that time we have also received comments on the environmental monitoring program from the United States Fish and Wildlife Service. A copy of the Fish and Wildlife Service report is enclosed (Attachment I) for your information. Those matters that deal with radiological consequences of plant operation noted in this report are within the jurisdiction of the Commission. Copies of this report are also being sent to appropriate state and local officials.

The additional information on the environmental radiological monitoring program we require to complete our safety evaluation is listed in Attachment II. Your reply should be submitted as an amendment to your application.

OFFICE ▶						
SURNAME ▶						
DATE ▶						

Please contact us if you have any questions regarding this request.

Sincerely,

Original Signed by
Peter A. Morris

Peter A. Morris, Director
Division of Reactor Licensing

Enclosures:

1. Attachment I
2. Attachment II

cc: Mr. William M. White, Chief w/o encl.
Division of River Basin Studies
Bureau of Sport Fisheries and Wildlife
U. S. Department of the Interior
Washington, D. C. 20240

Mr. Gerald Charnoff
Shaw, Pittman, Potts, Trowbridge & Madden
910 - 17th Street N.W.
Washington, D. C. 20006

L. J. Barthel, Chairman
County Board of Commissioners
Wright County, Minnesota

Dr. R. N. Barr
Secretary & Executive Officer
State Department of Health
University Campus
Minneapolis, Minnesota 55440

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DATE ▶	4/28/69 4/28/69	4/28/69	4/29/69	1/69	4/29/69	4/29/69



United States Department of the Interior

OFFICE OF THE SECRETARY
WASHINGTON, D.C. 20240

ATTACHMENT I

APR 4 - 1969

Dear Mr. Price:

This will transmit the comments of the Fish and Wildlife Service on the application by the Northern States Power Company for an operating license for the Monticello Nuclear Generating Plant, Unit 1, Wright County, Minnesota, AEC Docket No. 50-263. In response to Mr. Boyd's letter of November 18, 1968, the Fish and Wildlife Service has reviewed the final safety analysis report, which provides information on project operation.

Commissioner Pautzke's letter of February 23, 1967, included recommendations for both pre- and post-operational radiological and ecological studies. It was also recommended that Northern States Power Company provide for modifications of plant structures and operation if results of the studies indicate their need. In May 1968, the Company commenced ecological and radiological studies of the Mississippi River habitat and resources in accordance with a program developed in a joint effort with the Minnesota Department of Conservation and the Minnesota Department of Health.

The applicant's environmental radiological program conforms to most of our previous recommendations. According to the final analysis report, however, fish will be analyzed for only gross beta but not gamma radioactivity, and invertebrates are not included on the list of materials to be analyzed. We wish to reemphasize that invertebrate animals are an important link in the food chain and should be included in any radiological study. Another omission is the failure to locate a station for water and sediment sampling within 500 feet of the reactor effluent outfall. These measures should be incorporated into the going program.

In addition, it is recommended that the applicant be urged to correlate the radiological, environmental and ecological programs. This will be an excellent opportunity to obtain important data on food chain transfer of radionuclides, identification of "biological indicators" of radioactivity, and the food habits of various species.

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The opportunity for presenting our views on this application is appreciated.

Sincerely yours,

Charles C. Crocker III

Deputy Assistant

Secretary of the Interior

Mr. Harold L. Price
Director of Regulations
U.S. Atomic Energy Commission
Washington, D.C. 20545

ATTACHMENT II

ADDITIONAL INFORMATION REQUIRED

MONTICELLO NUCLEAR GENERATING PLANT

DOCKET NO. 50-263

With respect to the environmental radiation monitoring program cited on pages 2.7.1 and 2.7.2 of the FSAR, we require the following information:

- a. A detailed description of the division of responsibility between NSP, the Minnesota Department of Health and other independent groups for the sampling and analysis of each of the elements comprising the monitoring program. Include in this description the specific location of sample points, the type of analysis, and the frequency of independent checks.
- b. The reason for not including invertebrate animals in the radiological monitoring program, since these animals are an important link in the food chain.
- c. Justification for not including the analysis of fish for gamma radioactivity, although gross beta analysis will be made.
- d. A description of the locations downstream of the Monticello facility where river water is diverted for irrigation purposes and the crops grown using river water irrigation. Include the types of crop samples which are to be taken for the environmental monitoring program, where these samples are to be taken, and the frequency of sampling.
- e. Justification for not including water and sediment sampling within 500 feet of the reactor effluent outfall.