

JUN 10 1969

Docket No. 50-331

Mr. Duane Arnold, President  
Iowa Electric Light & Power Company  
Security Building  
P. O. Box 351  
Cedar Rapids, Iowa 52406

Dear Mr. Arnold:

During the course of our review of your application for a construction permit for the proposed Duane Arnold Energy Center, we requested the comments and recommendations of the U. S. Department of the Interior, Fish and Wildlife Service, concerning the radiological impact of the proposed facilities on the areas of responsibility of the Fish and Wildlife Service.

A copy of the Fish and Wildlife Service Report, dated April 29, 1969, containing comments and recommendations on both radiological and non-radiological effects of your proposed reactor is enclosed for your information. Also enclosed is a copy of a letter, dated May 29, 1969, which amends their comments in light of Amendment No. 1 to your application. Copies of these reports are also being sent to appropriate state and local officials. The radiological safety aspects of the material in the report will be considered in the evaluation of the safety of your project by the regulatory staff and by the Advisory Committee on Reactor Safeguards. Our conclusions will be included in the safety evaluation which we prepare for the public hearing to be held to consider the issuance of a construction permit for your proposed unit.

We call your attention to the recommendations of the Fish and Wildlife Service as they relate to the Duane Arnold Energy Center. You will note the need for both preoperational and postoperational radiological surveys for the plant. These surveys should include the Cedar River areas in the vicinity of the plant and the effects of operation of the Duane Arnold Energy Center on the environment. We request that you continue to cooperate with the Fish and Wildlife Service in the conduct of the requested surveys.

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The reports which you will submit on the preoperational surveys will be evaluated by the Commission and by the Fish and Wildlife Service at the time we consider your application for a provisional operating license in this proceeding. The reports of surveys made after operations have begun will be similarly reviewed.

We wish to call your attention to the Service's recommendations concerning the withdrawal of cooling tower water during periods of decreased river flow. In addition, we recognize that the use of chemicals and the release of large amounts of heated water might have adverse effects upon the environment. The substantive regulatory jurisdiction of the Atomic Energy Commission under present law, however, is limited essentially to matters of radiological health and safety and the common defense and security, and we now lack authority to impose restrictions regarding thermal and other nonradiological effects of the operation of licensed nuclear facilities, but we urge that you give full consideration to the Service's recommendations concerning these matters.

The Water Quality Act of 1965 provides a comprehensive program through which water quality standards are developed by the States and approved by the Secretary of the Interior. It is our understanding that the State of Iowa standards have been partially approved by the Secretary of the Interior, although this approval does not include the temperature limit criteria for interstate waters, which would affect the Cedar River.

Sincerely,

Original Signed by  
Peter A. Morris

Peter A. Morris, Director  
Division of Reactor Licensing

Enclosures:

1. Fish & Wildlife Service Ltr.,  
dated 4-29-69
2. Fish & Wildlife Service Ltr.,  
dated 5-29-69

cc: Honorable Robert D. Ray  
Governor of Iowa  
Des Moines, Iowa 50319

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cc: James F. Speers, M. D.  
Commissioner of Public Health  
State Department of Health  
Robert Lucas Building  
Des Moines, Iowa 50319

Mr. Anthony Scolaro  
Chairman, Linn County Board of Supervisors  
Linn County Courthouse  
Cedar Rapids, Iowa 52406

Mr. William M. White, Chief  
Division of River Basin Studies  
Bureau of Sport Fisheries & Wildlife  
U. S. Department of the Interior  
Washington, D. C. 20240

Distribution:

Docket

AEC PDR

DRL Reading

RPB-5 Reading

R. S. Boyd

P. Howe

SMKari (2)

W. Minners

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| SURNAME ▶ | 6/4/69                            | 6/5/69               | 6/6/69              | 6/7/69          | 6/10          |  |
| DATE ▶    |                                   |                      |                     |                 |               |  |