

FROM: State of Iowa State Dept of Health Des Moines, Iowa	DATE OF DOCUMENT: 7-28-70	DATE RECEIVED: 7-30-70	NO: 2386
TO: H.L. Price	LTR. <input checked="" type="checkbox"/>	MEMO:	REPORT:
CLASSIF: U	ORIG.: 1	CC:	OTHER:
POST OFFICE	ACTION NECESSARY <input type="checkbox"/>	CONCURRENCE <input type="checkbox"/>	DATE ANSWERED:
REG. NO:	NO ACTION NECESSARY <input type="checkbox"/>	COMMENT <input type="checkbox"/>	BY:
DESCRIPTION: (Must Be Unclassified) Ltr ack our 7-7-70 ltr to Gov. Day RE: Enviro)..& advising water permits are issued by the Water Pollution Control., Comm R.J. Seliekelman.....& ENCLOSURES: furnishing other info relating to enviro & trans: (1 cy Statement for the Record by Iowa Water Pollution Control Comm. Const. Permit Hearing, dtd 3-24-70, for Duane Arnold.. Statement of Charles L. Campbell, dtd 3-24-70 Dept of Health, Iowa.	FILE CODE: 50-331	REFERRED TO	
		DATE	RECEIVED BY
	Knuth W/4 cys for action	7-31-70	
	<u>DISTRIBUTION</u>		
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Iowa

State Department of Health

LUCAS STATE OFFICE BUILDING

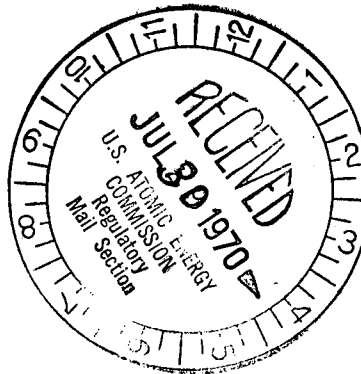
DES MOINES, IOWA 50319

ARNOLD M. REEVE, M.D., M.P.H.
COMMISSIONER OF PUBLIC HEALTH

Environmental Engineering Service

P. J. Houser, M.S., P.E., Chief

July 28, 1970



Mr. Harold L. Price
 Director of Regulation
 United States
 Atomic Energy Commission
 Washington, D.C. 20545

Dear Mr. Price:

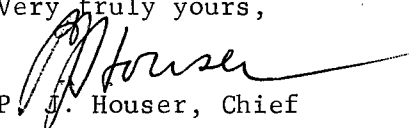
Your letter dated July 7, 1970, addressed to Governor Robert D. Ray, was forwarded to me for reply.

The Iowa Electric Light and Power Company has filed an application with this Department, for a permit to discharge waste waters from the Duane Arnold Energy Center into the Cedar River. Enclosed is a copy of a statement presented at a Construction Permit Hearing, March 24, 1970. The permit has not yet been issued awaiting filing by the company of construction plans for the disposal system. Permits for disposal of waste waters are issued by this Department by directive of the Water Pollution Control Commission, R. J. Schliekelman, Technical Secretary.

The Iowa Air Pollution Control Commission has not yet adopted standards for discharge of radio active emissions into the ambient air. Enclosed also is a copy of a statement presented at the same hearing by Charles L. Campbell of this Department. Mr. Campbell is Technical Secretary of the Air Pollution Control Commission.

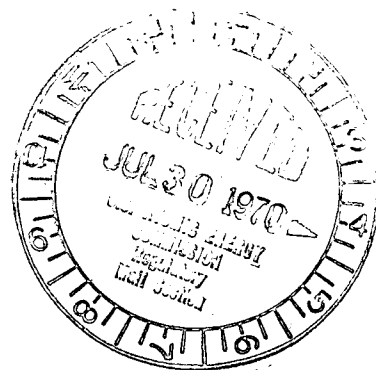
Other than controlling the discharge of water and air pollutants from Atomic Energy Commission licensed installations, this Department is not authorized by an Act of the Legislature to conduct a total program of regulating the use of nuclear materials. It is noted from your letter that you will send a copy of the applicant's environmental report when it is received. I suggest that you send two copies, one for the Water Pollution Control Commission and the other for the Air Pollution Control Commission.

Very truly yours,


 P. J. Houser, Chief

PJH:vm
 cc: Office of the Governor
 Enc.

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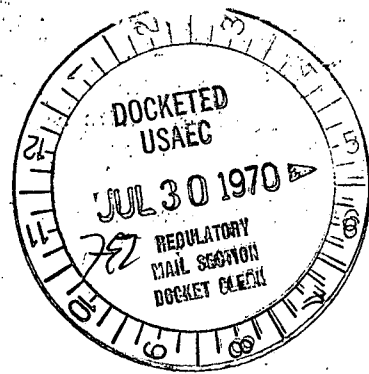


STATEMENT FOR THE RECORD
BY
IOWA WATER POLLUTION CONTROL COMMISSION

Regulatory File Cy.

CONSTRUCTION PERMIT HEARING
March 24, 1970

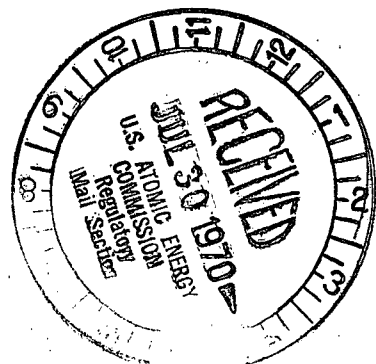
Iowa Electric Light and Power Company
Duane Arnold Energy Center, Palo, Iowa
Docket No. 50-313 331



My name is R. J. Schliekelman, Technical Secretary, Iowa Water Pollution Control Commission and Director, Water Pollution Division, Iowa State Department of Health which furnishes administrative and technical service to the Commission. I am a registered professional engineer and have been involved in water pollution activities of the Department since 1946. I am representing the Commission which has been "established as an agency of the state government to prevent, abate or control the pollution of the waters of the state."

In the evaluation of the health and safety and water environmental aspects of the plant site and plant operation our review considered the following documents:

1. Preliminary Safety Analysis Report and Supplements set forth by the applicant in its PSAR Volume 4, Section 9.1.
2. Safety Evaluation by the Division of Reactor Licensing United States Atomic Energy Commission.
3. Public Health Review, Duane Arnold Energy Center by the United States Public Health Service.
4. Pre-Operational Environs Monitoring Program proposed by the applicant.

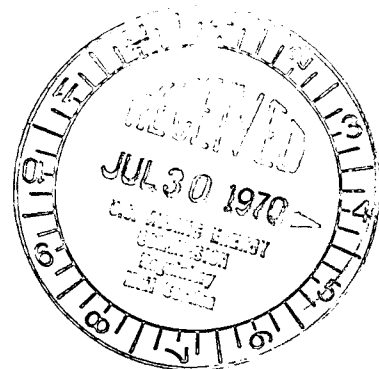


We have had the opportunity at a number of meetings to confer with representatives of the Iowa Electric Light and Power Company and other state agencies on these various factors of plant design and operation and to review the proposed environmental monitoring program. Final review has not been made of the monitoring program and the applicant's program will be complemented by a pre-operational program to be conducted by the State Hygienic Laboratory. Pre-operational and post-operational data will be evaluated to determine compliance with water quality standards.

The Iowa Water Pollution Control Commission has adopted water quality standards governing the discharge of radioactive substances to all surface waters of Iowa and these specific criteria are identical to those recommended by the National Technical Advisory Committee of the Federal Water Pollution Control Administration.

The Iowa Electric Light and Power Company has made an application, under provisions of Chapter 455B of the Code of Iowa, for a permit to discharge liquid radioactive wastes with return water to the Cedar River. The permit application states that radioactive wastes to be released will be below AEC limits set forth in The Code of Federal Regulations and the limits set forth by the Iowa Water Pollution Control Commission. While not a part of this hearing, thermal releases meet the temperature limits established by the Water Pollution Control Commission and recommended limits of the Federal Water Pollution Control Administration.

In our opinion the water quality of the Cedar river will not be lowered below the criteria set forth in the Water Quality Standards adopted by the Iowa Water Pollution Control Commission provided the quantities and qualities of the waste water effluents do not exceed the values stated in the reviewed documents. Consequently, the Iowa Water Pollution Control Commission has no objection to the application of the Iowa Electric Light and Power Company for a construction permit for a nuclear power reactor known as the Duane Arnold Energy Center.



STATEMENT FOR THE RECORD
CONSTRUCTION PERMIT HEARING
March 24, 1970

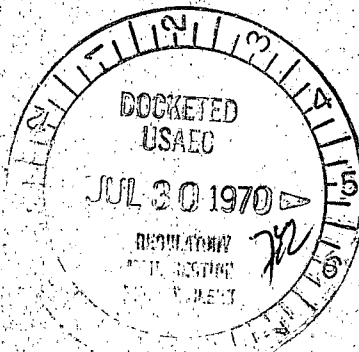
Iowa Electric Light and Power Company
Duane Arnold Energy Center
Docket No. 50-331

My name is Charles L. Campbell, and my business address is the Iowa State Department of Health, Lucas State Office Building, Des Moines, Iowa 50319. My appearance in this proceeding is in behalf of the Iowa State Department of Health authorized by, and as a personal representative of, Arnold M. Reeve, M.D., Commissioner of Public Health.

I am Director of the Industrial Environment Division in the Environmental Engineering Service, and a registered professional engineer. I have supervised the radiologic aspects of the Department program, including surveillance activities, for a period of over ten years.

The Iowa Water Pollution Control Commission has developed water quality standards for the surface waters of the state, which include standards for radioactivity. A separate statement will be presented in behalf of the Water Pollution Control Commission at this hearing.

However, no specific statute pertaining to radiation protection is in effect in this State at present, and no general rules and regulations relating to the use of radioactive materials have been adopted by this Department. To date, the Iowa Air Pollution Control Commission has not promulgated air quality standards for radioactive materials. Therefore, this Department relies on the recommendations of the U. S. Public Health Service in this respect.



We have had the opportunity to confer with representatives of the Iowa Electric Light and Power Company and associated firms on various factors of plant design and operation; and to review the Preliminary Safety Analysis Report and Amendments 1 through 15, Safety Evaluation by the Division of Reactor Licensing of the U. S. Atomic Energy Commission, Report of the Advisory Committee on Reactor Safeguards of the U. S. Atomic Energy Commission; and Proposed Environmental Monitoring Program of the Iowa Electric Light and Power Company.

We also have considered the Public Health Review of the Duane Arnold Energy Center by the U. S. Public Health Service. It appears that the Public Health Service feels that the complete environmental surveillance program appears adequate, with additional biota sampling, and that discharges of radioactivity from the proposed facilities can be maintained within appropriate levels. The recommendations of the Public Health Service in this regard will be given consideration in the development of the final monitoring program.

The final and specific program for environs monitoring is not described in any materials received prior to this hearing. However, we have been assured by the Iowa Electric Light and Power Company that the final system will be developed in cooperation with this Department and other affected agencies; and that copies of environmental surveillance data reports will be provided to this Department on a regular basis.

On the basis of the materials available, we find no reason to object to the issuance of the construction permit for Duane Arnold Energy Center, subject to the maintenance and operation of the facilities such that the health and environment of Iowa people will not be affected adversely.

RECEIVED
JUL 30 1970
U.S. ATOMIC ENERGY
COMMISSION
REGULATORY
DIVISION