

Dockets

FEB 23 1976

Docket No. 50-313

Arkansas Power & Light Company
ATTN: Mr. J. D. Phillips
Vice President & Chief Engineer
Sixth & Pine Streets
Pine Bluff, Arkansas 71601

Gentlemen:

The Commission has issued the enclosed Amendment No. 11 to Facility License No. DPR-51 for Arkansas Nuclear One, Unit 1. The amendment is in response to your request of December 12, 1975.

We have evaluated the potential for environmental impact of plant operation in accordance with the enclosed amendment. The amendment applies to environmental sampling in that the discharge sampling station for the ichthyoplankton entrainment program is eliminated. The staff has concluded that the revised program of continued sampling in the intake canal coupled with the assumption of 100% mortality of entrained ichthyoplankton will permit a conservative assessment of entrainment impact to be made. We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level, and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and pursuant to 10 CFR §51.5(d)(4) that an environmental statement, negative declaration, or environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

Since the amendment applies only to environmental sampling, it does not involve significant new safety information of a type not considered by a previous Commission safety review of the facility. It does not involve a significant increase in the probability or consequences of an accident, does not involve a significant decrease in a safety margin, and therefore does not involve a significant hazards consideration. We have also concluded that there is reasonable assurance that the health and safety of the public will not be endangered by this action.

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FEB 23 1976

A copy of the related Federal Register Notice is also enclosed.

Sincerely,

151

Dennis L. Ziemann, Chief
Operating Reactors Branch No. 2
Division of Operating Reactors

Enclosures:

- 1. Amendment No. 11 to DPR-51
- 2. Federal Register Notice

cc: William Cavanaugh
Arkansas Power & Light Company
Sixth & Pine Streets
Pine Bluff, Arkansas 71601

D. Rueter
Arkansas Power & Light Company
Sixth & Pine Streets
Pine Bluff, Arkansas 71601

Horace Jewell, Esq.
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Mr. Clinton Spotts
Environmental Protection Agency
1600 Patterson Street
Dallas, Texas 75201

Honorable Wayne Nordin
Acting Judge of Pope County
Pope County Courthouse
Russellville, Arkansas 72801

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Mr. Neill Thomasson
 Environmental Protection Agency
 Office of Radiation Programs
 Room 647A East Tower - WSM
 401 M Street, S. W.
 Washington, D. C. 20460

Mr. E. F. Wilson, Director
 Bureau of Environmental Health
 Services
 4815 West Markham Street
 Little Rock, Arkansas 72201

bcc: J. R. Buchanan, ORNL
 T. B. Abernathy, DTIE

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SURNAME →	FJM <i>Miraglia</i>	wsBJYoungblood	T <i>Zittel</i>	SW <i>Converse</i>	DZiemann	
DATE →	1/28/76	1/31/76	2/13/76	2/29/76	2/23/76	

ARKANSAS POWER AND LIGHT COMPANY

DOCKET NO. 50-313

ARKANSAS NUCLEAR ONE, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 11
License No. DPR-51

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Arkansas Power & Light Company (the licensee) dated December 12, 1975, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations; and
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.
 - E. An environmental statement or negative declaration need not be prepared in connection with the issuance of this amendment.
2. Accordingly, the license is amended by a change to the Technical Specifications as indicated in the attachment to this license amendment.

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3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

15/
Dennis L. Ziemann, Chief
Operating Reactors Branch No. 2
Division of Operating Reactors

Attachment:
Changes to Technical
Specifications

Date of Issuance: *February 23, 1976.*

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ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 11 TO FACILITY OPERATING LICENSE NO. DPR-51

ARKANSAS POWER AND LIGHT COMPANY

ARKANSAS NUCLEAR ONE, UNIT 1

DOCKET NO. 50-313

Revise Appendix B as follows:

Remove pages 4-11, 4-12 and 4-12a and insert the attached revised pages. No change made on page 4-11. The changed areas on the revised pages are shown by marginal lines.

Frequencies of sampling were chosen to obtain a trend of aquatic life in the area. Most fish surveys are set up to be conducted in the summer because the fish are more plentiful at this time of year. It is felt that more frequent sampling of the organisms would produce repetitive data. However, less frequent sampling might yield erratic data from which no trend could be detected.

The data will be evaluated in relation to preoperational data obtained by AP&L, UALR, Ark. Tech., and various governmental agencies. By comparing preoperational data with postoperational data, changes in the environment can be detected. It is felt that in this way effects on the aquatic life by ANO can be monitored and controlled.

(2) Impingement of Organisms

Objective

The objective is to monitor those fish impinged on the intake screens to permit an assessment of impingement impacts. Potential impacts of concern are effects on the fishery resource and dissolved oxygen resource of Lake Dardanelle. If these impacts are significant, appropriate state and federal agencies responsible for fisheries shall be consulted, and the necessary modifications to the intake system shall be implemented to satisfactorily reduce these impacts.

Specification

Fish trapped on all of the intake screens shall be sluiced to a collection basket where they shall be identified, counted and weighed following a twenty-four (24) hour sampling period twice each week during the period April 1 through September 30 and three times each week during the period October 1 through March 31. If the weight of fish and trash impinged during any given 24-hour sampling period exceeds 150 pounds, two replicate subsamples of 75 pounds each shall be taken and their averages used for extrapolation and determination species data for the total weight and number of each species impinged. Length and weight of each fish in a subsample shall be determined for each species collected up to 25 fish per specie. If the number of fish in a subsample for a particular species is greater than 25, 25 fish plus 1% of N-25 (where N is the number of fish for a particular species in the subsample) shall have their length and weight measured. Total biomass of all fish impinged shall be estimated regardless of the number impinged. Tabulations of this data shall be made.

The samples shall be taken at surface, mid-depth, and near bottom at the intake by a metered plankton net. As an alternative, a high capacity pump sampler shall be used to take samples at surface, mid-depth, and near bottom.

Specimens collected shall be identified to the lowest possible taxonomic level and densities shall be calculated.

11

Reporting Requirement

Report levels shall be developed from the data collected at the conclusion of the first year study. A summary of the entrainment study shall be included in the report required by Specification 5.6.1.

Bases

This study and subsequent analysis of the results will aid in determining the impact on the Fishery of Dardanelle Reservoir. Losses in recruitment to the reservoir may or may not be significant. This study should provide a pathway for making such an assessment.

11

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-313

ARKANSAS POWER AND LIGHT COMPANY

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY

OPERATING LICENSE

Notice is hereby given that the U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 11 to Facility Operating License No. DPR-51 issued to Arkansas Power and Light Company which revised Technical Specifications for operation of Arkansas Nuclear One, Unit 1, located in Pope County, Arkansas. The amendment is effective as of its date of issuance.

The amendment eliminates the discharge sampling station for the ichthyoplankton entrainment program and incorporates the assumption of 100% mortality of entrained ichthyoplankton. The amendment retains sampling of station intake. Continued sampling of the intake with the assumption of 100% mortality will permit a conservative assessment of entrainment impact to be made.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior

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public notice of this amendment is not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR § 51.5(d)(4) an environmental statement, negative declaration or environmental impact appraisal need not be prepared in connection with issuance of this amendment.

For further details with respect to this action, see (1) the application for amendment dated December 12, 1975, and (2) Amendment No. 11 to License No. DPR-51. Both of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W. Washington, D. C. and at the Arkansas Polytechnic College, Russellville, Arkansas.

A copy of item (2) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Operating Reactors.

Dated at Bethesda, Maryland, this *23rd* day of *February* 1976.

FOR THE NUCLEAR REGULATORY COMMISSION

15/
D. L. Ziemann, Chief
Operating Reactor Branch No. 2
Division of Operating Reactors

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