

MAY 5 1983

*Docket File*  
*DCS MS-016*

Docket No. 50-368

Mr. John Griffin  
Vice President, Nuclear  
Operations  
Arkansas Power & Light Company  
P. O. Box 551  
Little Rock, Arkansas 72203

Dear Mr. Griffin:

The Commission has issued the enclosed Amendment No. 47 to Facility Operating License No. NPF-6 for Arkansas Nuclear One, Unit 2. The amendment consists of changes to the Technical Specifications in response to your application dated February 15, 1983. The remainder of your request concerning deletion of nonradiological water quality surveillance requirements was approved in Amendment No. 40 issued March 11, 1983.

The amendment revises the Environmental Technical Specifications (Appendix B to the Facility Operating License), to delete the requirement for remote aerial surveillance monitoring and to delete the requirement to conduct bird impaction event studies.

Your basis for deleting these two studies is that these programs were required to be conducted only during the first two years of operation of Unit 2, and that no adverse environmental effects resulting from operation of the facility were indicated by the studies. Thus, the requirements of the Technical Specifications are satisfied.

We concur in the termination and deletion of these studies and have addressed this action in the enclosed Environmental Impact Appraisal (EIA).

Since the amendment applies only to terrestrial monitoring programs, (1) it does not involve a significant increase in the probability or consequences of an accident previously evaluated, does not create the possibility of an accident of a type different from any evaluated previously, and does not involve a significant reduction in a margin of safety, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance

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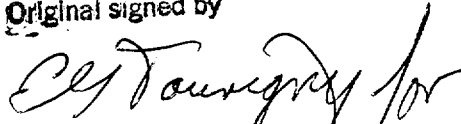
Mr. John Griffin

- 2 -

with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

A copy of the Notice of Issuance and Negative Declaration is also enclosed.

Sincerely,  
Original signed by



Oliver D. T. Lynch, Project Manager  
Operating Reactors Branch #3  
Division of Licensing

Enclosures:

1. Amendment No. 47 to NPF-6
2. EIA
3. Notice of Issuance and Negative Declaration

cc w/enclosures:  
See next page

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Arkansas Power & Light Company

cc:

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Region VI Office  
ATTN: Regional Radiation  
Representative  
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Dallas, Texas 75270

Mr. Frank Wilson  
Director, Division of Environmental  
Health Protection  
Arkansas Department of Health  
4815 West Markman Street  
Little Rock, Arkansas 72201



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555

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PMKreutzer

Docket No. 102-79

Docketing and Service Section  
Office of the Secretary of the Commission

SUBJECT: Arkansas Electric Light & Power, Arkansas Electric Co., Inc.

Two signed originals of the Federal Register Notice identified below are enclosed for your transmittal to the Office of the Federal Register for publication. Additional conformed copies (12 ) of the Notice are enclosed for your use.

- ☐ Notice of Receipt of Application for Construction Permit(s) and Operating License(s)
- ☐ Notice of Receipt of Partial Application for Construction Permit(s) and Facility License(s); Time for Submission of Views on Antitrust Matters.
- ☐ Notice of Receipt of Applicant's Environmental Report.
- ☐ Notice of Receipt of Applicant's Environmental Report; Operating License.
- ☐ Notice of Receipt of Application for Facility License(s); Notice of Availability of Applicant's Environmental Report; and Notice of Consideration of Issuance of Facility License(s) and Notice of Opportunity for Hearing.
- ☐ Notice of Receipt of Applicant's Environmental Report.
- ☐ Notice of Receipt of Applicant's Environmental Report.
- ☐ Notice of Issuance of Construction Permit(s).
- ☐ Notice of Issuance of Facility Operating License(s) or Amendment(s).
- ☒ Other: Amendment No. 47

Referenced documents have been provided PDR.

Division of Licensing  
Office of Nuclear Reactor Regulation

Enclosure:  
As Stated

OFFICE	ORB#3:DL					
SURNAME	PMKreutzer/pn					
DATE	5/6/83					



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

ARKANSAS POWER & LIGHT COMPANY

DOCKET NO. 50-368

ARKANSAS NUCLEAR ONE, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 47  
License No. NPF-6

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Arkansas Power & Light Company (the licensee) dated February 15, 1983, 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;
  - 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; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

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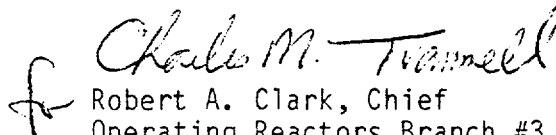
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-6 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 47, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION

  
Robert A. Clark, Chief  
Operating Reactors Branch #3  
Division of Licensing

Attachment:  
Changes to the  
Technical Specifications

Date of Issuance: May 5, 1983

ATTACHMENT TO LICENSE AMENDMENT NO. 47

FACILITY OPERATING LICENSE NO. NPF-6

DOCKET NO. 50-368

Replace the following page of the Appendix "B" Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains vertical lines indicating the area of change.

Remove Pages

i  
ii  
3-1  
3-3  
3-4  
3-5  
3-6  
4-1  
4-2  
-  
5-11

Insert Pages

i  
ii  
3-1  
-  
-  
-  
-  
-  
-  
5-2  
-

## TABLE OF CONTENTS

<u>Section</u>		<u>Page</u>
1.0	<u>Definitions</u>	1-1
2.0	<u>Limiting Conditions for Operation</u>	2-1
	2.1 <u>Non-Radiological (not applicable)</u>	
	2.2 <u>Radiological</u>	2-1
	2.2.1 Liquid Discharge	2-2
	2.2.2 Gaseous Discharge	2-6
3.0	<u>Environmental Surveillance</u>	3-1
	3.1 <u>Surveillance for ANO</u>	3-1
	3.2 Deleted	
	3.3 Deleted	
4.0	Deleted	
5.0	<u>Administrative Controls</u>	5-1
	5.1 <u>Responsibility</u>	5-1
	5.2 <u>Organization</u>	5-1
	5.3 <u>Review</u>	5-1
	5.3.1 Plant Safety Committee	5-1
	5.3.2 Safety Review Committee	5-2



TABLE OF CONTENTS (Continued),

<u>Section</u>	<u>Page</u>
5.4 Deleted	
5.5 <u>Procedures</u>	5-3
5.6 <u>Station Reporting Requirements</u>	5-4
5.6.1 Routine Reports	5-4
5.6.2 Nonroutine Reports	5-5
5.6.2.a Prompt Report	
5.6.2.b Thirty Day Report	
5.6.2.c Content of Non-routine Reports	
5.7 <u>Changes</u>	
5.7.1 Changes in Environmental Technical Specifications	5-6
5.7.2 Changes in Permits and Certifications	5-6
5.7.3 Changes in Procedures, Station Design or Operation	5-7
5.7.4 NRC Authority to Require Revisions	5-8
5.8 Records Retention	5-8
5.9 Special Requirements	5-9

3.0 ENVIRONMENTAL SURVEILLANCE

3.1 Surveillance for ANO

The surveillance program associated with ANO-1 (Docket No. 50-313) operation provides information on air, precipitation, ground water, soil, vegetation and milk by radiological analysis of samples in the area of the plant. That program will provide adequate information for ANO-2 operation and shall be carried out at all times that the ANO-2 Environmental Technical Specifications apply.

3.2 DELETED

- c. Proposed changes or modifications to plant systems or equipment which would affect the plant's environmental impact.
- d. Results of the Radiological Environmental Monitoring Programs.
- e. Investigation of all reported instances of violations of Environmental Technical Specifications. Where investigation warrants, instances shall be evaluated and recommendations formulated to prevent recurrence.

#### 5.3.2. Safety Review Committee

The Safety Review Committee (SRC) shall be responsible for review of the following:

- a. The environmental evaluations for 1) changes to procedures, equipment or systems, and 2) tests or experiments completed under Section 5.7.3, to verify that such actions did not constitute an unreviewed environmental question.
- b. Proposed changes to procedures, equipment or systems which involve an unreviewed environmental question as defined in Section 5.7.3.B.
- c. Proposed changes to the Environmental Technical Specifications and the evaluated impact of the changes.
- d. Results of the Radiological Environmental Monitoring Programs.
- e. Investigation of all reported instances of violations of Environmental Technical Specifications.



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

ENVIRONMENTAL IMPACT APPRAISAL BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 47 TO FACILITY OPERATING LICENSE NO. NPF-6

ARKANSAS POWER & LIGHT COMPANY

ARKANSAS NUCLEAR ONE, UNIT 2

DOCKET NO. 50-368

Proposed Action

Arkansas Power & Light Company (AP&L), in their letter of February 15, 1983, proposed changes to the Environmental Technical Specifications (TS), Appendix B to Facility Operating License No. NPF-6, for Arkansas Nuclear One, Unit No. 2 (ANO-2), for the termination and deletion of the aerial remote sensing study as required in Section 3.3, and the excessive bird impaction events study as required in Section 4.0.

Discussion and Assessment

At present, the Appendix B TS require that AP&L conduct several studies to determine the impact of plant operation on the environment. The requirements are:

1. For the first two years of operation of ANO-2, vegetation communities of the site and vicinity shall be aerially photographed annually to detect and assess the significance of damage, or lack thereof, as related to cooling tower drift dispersions.
2. For the first two years of operation of ANO-2, large scale episodic occurrences of bird impaction events on cooling tower structures shall be detected and reported.

AP&L completed these studies, conducted since issuance of the operating license for ANO-2 in July of 1978, and reported the results in its Annual Environmental Monitoring Reports for 1978, 1979 and 1980. Therefore, the requirements for the conduct and reporting of these studies have been satisfied. We have reviewed the results of these studies, and our assessments of the effects of cooling tower operation on the environment, as indicated in the aerial surveillance monitoring and bird impaction studies, are summarized below.

Aerial Surveillance Monitoring Program

The remote aerial surveillance monitoring program conducted by AP&L found no evidence of vegetation stress resulting from operation of the ANO-2 generating facility. Areas of expected maximum salt deposition (from cooling tower drift) did not exhibit any unique or increased amounts of

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stress compared with other areas within a 2-mile radius of the ANO plant. The area proximal to the ANO facility has experienced increasing stress, from the 1978 baseline studies to the conclusion of the studies in 1980, due to natural causes. In 1978 the study area was relatively free of any major stress other than that from various construction activities and from development of Dardanelle Reservoir. Subsequently, stress increased due to climatic factors, insect damage, fungal and bacterial diseases, and mechanical damage. By 1980, vegetation stress, primarily caused by drought, was widespread within the study area, affecting a large number of species in many different cover types. Although vegetation stress typically results from interaction of more than one agent, the 1980 stress was largely or entirely weather-induced. The combined effects of drought, high ambient temperatures, and fire obscured virtually all other stress factors so that discrete areas and total extent of insect damage, disease, and other stress agents were impossible to fully identify and assess.

We conclude that the operation of the ANO-2 facility and the cooling tower drift has not resulted in any unique or increased amounts of vegetation stress and that AP&L has satisfied the intent of this requirement.

#### Bird Impaction Event Studies

This program commenced following the issuance of the ANO-2 operating license and was conducted for the following two years. During the period of the study, inspections were conducted twice weekly during the period of October 15, to April 15. The area around the base of the cooling tower out to the far edge of the surrounding road (approximately 100 feet) was surveyed for impacted birds. A log was kept and entries were made each day the survey was conducted. Information recorded in the log included species found, compass quadrant in which the bird was found, general meteorological conditions (overcast, clear, etc.), wind direction, and the number of each species found. No bird mortalities attributable to the operation or presence of the ANO-2 cooling tower were noted during the two year program.

We conclude that the operation of the ANO-2 facility and the cooling tower has not resulted in any unique or increased bird impaction events and that AP&L has satisfied the intent of this requirement.

#### Conclusion

On the bases of the foregoing, we conclude that the proposed changes are acceptable and will not significantly affect the quality of the human environment.

We conclude that the deletion of these studies from the ANO Unit 2 license will not jeopardize the vegetation and bird populations known to exist upon or utilize the site.

We have reviewed the proposed changes relative to the requirements set forth in 10 CFR Part 51 and the Council on Environmental Quality's Guidelines, 40 CFR 1500.6. We have determined that the proposed license amendment will not significantly affect the quality of the human environment. Therefore, the staff has found that an environmental impact statement need not be prepared, and that pursuant to 10 CFR 51.5(c), the issuance of a negative declaration to this effect is appropriate.

Date: May 5, 1983

Principal Contributor:  
C. D. T. Lynch

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-368ARKANSAS POWER & LIGHT COMPANYNOTICE OF ISSUANCE OF AMENDMENT TO FACILITY OPERATING LICENSE  
AND NEGATIVE DECLARATION

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 47 to Facility Operating License No. NPF-6 issued to Arkansas Power & Light Company (the licensee), which revised the Technical Specifications for operation of Arkansas Nuclear One, Unit 2 (the facility), located in Pope County, Arkansas. The amendment was effective as of the date of issuance.

The amendment revises the Environmental Technical Specifications (Appendix B to Facility Operating License), to delete the requirement for remote aerial surveillance monitoring and to delete the requirement to conduct bird impactation event studies.

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

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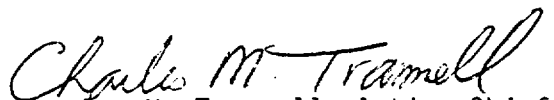
- 2 -

The Commission has prepared an environmental impact appraisal for the revised Technical Specifications and has concluded that an environmental impact statement for this particular action is not warranted because there will be no significant environmental impact attributable to the action other than that which has already been predicted and described in the Commission's Final Environmental Statement for the facility.

For further details with respect to this action, see (1) the application for amendment dated February 15, 1983, (2) Amendment No. 47 to Facility Operating License No. NPF-6, and (3) the Commission's Environmental Impact Appraisal dated May 5, 1983 and (4) the Commission's letter dated May 5, 1983. These items are available for public inspection at the Commission's Public Document Room at 1717 H Street, N.W., Washington, D.C. 20555 and at the Tomlinson Library, Arkansas Tech University, Russellville, Arkansas 72801. A copy of items (2), (3) and (4) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 5th day of May, 1983.

FOR THE NUCLEAR REGULATORY COMMISSION

  
Charles M. Trammell, Acting Chief  
Operating Reactors Branch #3  
Division of Licensing





UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555

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Docket No. 50-368

Docketing and Service Section  
Office of the Secretary of the Commission

SUBJECT: ARKANSAS POWER & LIGHT COMPANY, Arkansas Nuclear One, Unit 2

Two signed originals of the Federal Register Notice identified below are enclosed for your transmittal to the Office of the Federal Register for publication. Additional conformed copies (12 ) of the Notice are enclosed for your use.

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- ☐ Notice of Availability of NRC Draft/Final Environmental Statement.
- ☐ Notice of Limited Work Authorization.
- ☐ Notice of Availability of Safety Evaluation Report.
- ☐ Notice of Issuance of Construction Permit(s).
- ☐ Notice of Issuance of Facility Operating License(s) or Amendment(s).
- ☒ Other: Amendment No. 47

Referenced documents have been provided PDR.

Division of Licensing  
Office of Nuclear Reactor Regulation

Enclosure:  
As Stated

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SURNAME →	PMKreutzer/pn					
DATE →	5/6/83					