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Docket Nos. 50-313 and 50-368

Mr. William Cavanaugh, III
 Senior Vice President, Energy
 Supply Department
 Arkansas Power & Light Company
 P. O. Box 551
 Little Rock, Arkansas 72203

Dear Mr. Cavanaugh:

The Commission has issued the enclosed Amendment Nos. 66 and 34 to Facility Operating Licenses Nos. DPR-51 and NPF-6 for Arkansas Nuclear One, Unit Nos. 1 and 2 (ANO-1&2). The amendments consist of changes to the Technical Specifications in response to your application dated December 1, 1981, as supplemented by changes which your staff endorsed in telephone conversations with the NRC staff.

The amendments modify the ANO-1&2 Environmental Technical Specifications (ETS) (Appendix B to the Operating Licenses) dealing with the reporting of Radiological Gaseous Effluents and delete certain non-radiological water quality surveillance requirements of ANO-2 Appendix B TS Section 3.2.2.

The change requires the Radiological Gaseous Effluent Report on a semi-annual basis in accordance with 10 CFR 50.36a. This corrects a condition in the ETS which requires the reporting of Radiological Gaseous Effluents in the Annual Environmental Operating Report which does not accommodate such reporting.

The deletion of the nonradiological water quality surveillance requirements is based on Atomic Safety and Licensing Appeal Board decisions (ALAB-515, 569 and 532) which determined that the NRC does not have authority for water quality because the Federal Water Pollution Control Act Amendments of 1972 places full responsibility for these matters with the Environmental Protection Agency. The NRC will rely on that agency for protection of the aquatic environment. This action is considered a ministerial action required as a matter of law, and no environmental impact statement or negative declaration and environmental impact appraisal need be prepared.

We have determined that the issuance of the amendments pertaining to the reporting requirements for both ANO-1&2 will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of the amendments.

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		P	PDR				
DATE						

Mr. William Cavanaugh, III

- 2 -

These amendments do not involve significant new safety information of a type not considered in previous Commission safety reviews of the facility. They do not involve a significant increase in the probability or consequences of an accident previously evaluated, do not create the possibility of an accident of a type different from any evaluated previously, and do not involve a significant reduction in a margin of safety, and therefore do 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.

We suggest you also request to have the other water quality requirements still in the Appendix B TS deleted and the remaining nonradiological requirements restructured into an Environmental Protection Plan (EPP) similar to Enclosure 1 of our letter dated May 18, 1982 which concerned Amendment No. 65 to Facility Operating License No. DPR-51 for ANO-1.

If there are questions with regard to the above, contact your Project Manager for ANO-1&2.

A copy of the Notice of Issuance is also enclosed.

Sincerely,

Original signed by

Original signed by
Robert A. Clark

John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

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

Enclosures:

- 1. Amendment No. 66 to DPR-51
- 2. Amendment No. 34 to NPF-6
- 3. Notice of Issuance

cc w/enclosures:

See next page

*Ref. to level of
of F.R. Public
on amendment*

OELD
Jones
7/19/82

JK

Clark

OFFICE	ORB#3:DL1	ORB#3:DL	ORB#3:DL	ORB#4:DL	ORB#4:DL	ORB#4:DL	AD:OR:DL
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UNITED STATES
 NUCLEAR REGULATORY COMMISSION
 WASHINGTON, D.C. 20555

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Docket No. 50-313/368

Docketing and Service Section
 Office of the Secretary of the Commission

SUBJECT: ARKANSAS POWER & LIGHT COMPANY, Arkansas Nuclear One, Unit
 Nos. 1 and 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.

- 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 Availability of Applicant's Environmental Report.
- Notice of Proposed Issuance of Amendment to Facility 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 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 Nos. 66 and 34.
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 →	7/30/82					

Arkansas Power & Light Company

cc:

Mr. John Marshall
Manager, Licensing
Arkansas Power & Light Company
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Little Rock, Arkansas 72203

Mr. James P. O'Hanlon
General Manager
Arkansas Nuclear One
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Russellville, Arkansas 72801

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Babcock & Wilcox
Nuclear Power Generation Division
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Bethesda, Maryland 20814

Nicholas S. Reynolds, Esq.
c/o DeBevoise & Liberman
1200 Seventeenth Street, N.W.
Washington, D. C. 20036

Arkansas Polytechnic College
Russellville, Arkansas 72801

Mr. Charles B. Brinkman
Manager - Washington Nuclear
Operations
C-E Power Systems
4853 Cordell Avenue, Suite A-1
Bethesda, Maryland 20014

Regional Administrator
Nuclear Regulatory Commission, Region IV
Office of Executive Director for Operations
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

Mr. W. Johnson
U.S. NRC
P. O. Box 2090
Russellville, Arkansas 72801

U.S. Environmental Protection Agency
Region VI Office
ATTN: Regional Radiation
Representative
1201 Elm Street
Dallas, Texas 75270

cc w/enclosure(s) and incoming
dated: 12/1/81

S. L. Smith, Operations Officer
Arkansas Nuclear Planning &
Response Program
P. O. Box 1749
Russellville, Arkansas 72801



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

ARKANSAS POWER AND LIGHT COMPANY

DOCKET NO. 50-313

ARKANSAS NUCLEAR ONE, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 66
License No. DPR-51

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Arkansas Power and Light Company (the licensee) dated December 1, 1981, 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.

DESIGNATED ORIGINAL

Certified By

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PDR ADOCK 05000313
P PDR

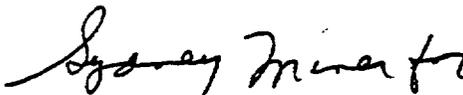
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.c.(2) of Facility Operating License No. DPR-51 is hereby amended to read as follows:

Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 66, 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 its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: July 29, 1982

ATTACHMENT TO LICENSE AMENDMENT NO. 66

FACILITY OPERATING LICENSE NO. DPR-51

DOCKET NO. 50-313

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. The corresponding overleaf page is also provided to maintain document completeness.

Page

2-14

- b. The release rate of I-131 and particulates with half-lives greater than eight days shall not exceed 8% of the values specified in 2.4.2.3.b when averaged over a calendar quarter.
5. During release of radioactive gaseous wastes from the gaseous waste discharge header to the plant ventilation exhaust plenum, the following conditions shall be met:
 - a. The gaseous radioactivity monitor, iodine and the particulate samplers in the plant vents shall be operating; and
 - b. Automatic isolation devices capable of limiting gaseous release rates to within the values specified in 2.4.2.3.a shall be operating.
6. Radioactive gaseous wastes collected in the gas decay tanks shall be held up a minimum equivalent decay time of 45 days, except when the calculated activity concentration of each identified radioisotope of the site boundary is less than 1% of the MPC specified in 10 CFR Part 20, Appendix B, Table II, based on a X/Q of 1.5×10^{-5} .
7. Purging of the reactor building shall be governed by the following conditions:
 - a. Reactor building purge shall be through the high efficiency particulate filters and charcoal filters until the activity concentration is below the occupational limit inside the reactor building, at which time bypass may be initiated; and
 - b. Reactor building purge shall be through the high efficiency particulate filters and charcoal filters whenever irradiated fuel is being handled or any objects are being handled over irradiated fuel in the reactor building.
8. Gases discharged through the unit vent shall be continuously monitored and recorded for gross (β, γ) activity.

Whenever these monitors are inoperable, appropriate grab samples shall be taken and analyzed each shift. The monitor shall not be inoperable for more than 7 days.



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

ARKANSAS POWER AND LIGHT COMPANY

DOCKET NO. 50-368

ARKANSAS NUCLEAR ONE, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 34
License No. NPF-6

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Arkansas Power and Light Company (the licensee) dated December 1, 1981, 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.

DESIGNATED ORIGINAL

Certified By

A handwritten signature in cursive script, appearing to read "D. Noonan", written over a horizontal line.

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.

Technical Specifications

The Technical Specifications contained in Appendix B, as revised through Amendment No. 75 , 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 its date of 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: July 29, 1982

ATTACHMENT TO LICENSE AMENDMENT NO. 34

FACILITY OPERATING LICENSE NO. NPF-6

DOCKET NO. 50-368

Replace the following pages of the Appendix B Technical Specifications with the enclosed pages. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change. The corresponding overleaf pages are also provided to maintain document completeness.

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3. During power operation, the condenser vacuum pump discharge shall be continuously monitored for gross radiogas activity. The monitor shall not be inoperable for more than 7 days. Whenever this monitor is inoperable, grab samples shall be taken and analyzed for gross (β , γ) radioactivity daily.
4. Records shall be maintained and reports of the sampling and analysis results shall be submitted in accordance with 10CFR50.36a.
5. The Waste Gas Decay Tank effluent monitor shall be tested prior to any release of radioactive gas from a decay tank and shall be calibrated at least once every 18 months.

Bases:

It is expected that the releases of radioactive materials and gaseous wastes will be kept within the design objective levels and will not exceed on an instantaneous basis the dose rate limits specified in 10CFR20.

These levels provide reasonable assurance that the resulting annual exposure from noble gases to the whole body or any organ of an individual will not exceed 10 mrem per year. At that same time the Licensee is permitted the flexibility of operation, compatible with considerations of health and safety, to assure that the public is provided a dependable

3.0 ENVIRONMENTAL SURVEILLANCE

3.1 Surveillance for ANO

The surveillance program associated with ANO-1 (Docket No. 50-313) operation provides an examination of the aquatic ecosystem of Lake Dardanelle in the vicinity of the plant as well as providing 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 Additional Environmental Surveillance for Unit 2

3.2.1 Dilution of ANO-2 Discharges During ANO-1 Outages

Objective:

To assure that waste streams from Unit 2 are diluted before entering the discharge embayment on Dardanelle Reservoir.

Environmental Monitoring Requirements When Unit 2 is making discharges during Unit 1 outages, the licensee will record the number of Unit 1 circulating pumps in operation. Unit 2 releases and Unit 1 circulating water pump operation during Unit 1 outages shall be summarized, and reported in accordance with Subsection 5.6.1.

Action:

A non-routine report, as specified in Subsection 5.6.2.b, shall be made if less than two Unit 1 circulating water pumps are operated while Unit 2 releases or discharges are occurring.

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UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NOS. 50-313 AND 50-368ARKANSAS POWER AND LIGHT COMPANYNOTICE OF ISSUANCE OF AMENDMENTS TO FACILITY
OPERATING LICENSES

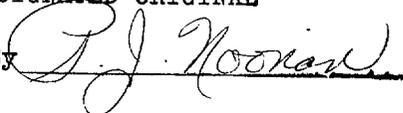
The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment Nos. 66 and 34 to Facility Operating License Nos. DPR-51 and NPF-6, issued to Arkansas Power and Light Company (the licensee), which revised the Technical Specifications for operation of Arkansas Nuclear One, Unit Nos. 1 and 2, respectively, (the facilities) located in Pope County, Arkansas. The amendments are effective as of the date of issuance.

The amendments revise the ANO-1&2 Environmental Technical Specifications relating to the reporting of radiological gaseous effluents and delete certain nonradiological water quality surveillance requirements of ANO-2 ETS Section 3.2.2.

The application for the amendments 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 amendments. Prior public notice of the amendments was not required since the amendments do not involve a significant hazards consideration.

DESIGNATED ORIGINAL

Certified By



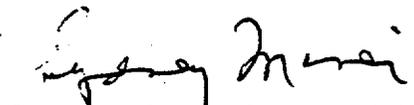
The Commission has determined that the issuance of the amendments pertaining to the reporting requirements for both ANO-1&2 will not result in any significant environmental impact and that pursuant to 10 CFR/§51.5(d)(4) an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of the amendments.

With regard to the deletion of certain nonradiological water quality surveillance requirements of the ANO-2 TS, the Commission has determined that the issuance of the ANO-2 amendment is a ministerial action required as a matter of law and therefore no environmental impact statement or negative declaration and environmental impact appraisal need be prepared in connection with issuance of this amendment.

For further details with respect to this action, see (1) the application for amendments dated December 1, 1981, (2) Amendment No. 66 to License No. DPR-51 and Amendment No. 34 to License No. NPF-6, and (3) the Commission's letter dated July 29, 1982 . All 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 Tech University, Russellville, Arkansas. A copy of items (2) and (3) 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 29th day of July, 1982.

FOR THE NUCLEAR REGULATORY COMMISSION


Sydney Miner, Acting Chief
Operating Reactors Branch #4
Division of Licensing