

ARKANSAS POWER & LIGHT COMPANY
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February 26, 1979

WILLIAM CAVANAUGH III
Executive Director
Generation & Construction

1-029-18

Director of Nuclear reactor Regulation
ATTN: Mr. J. F. Stolz, Chief
Light Water Reactors Branch #1
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Subject: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Supplemental Information to a
Proposed Technical Specification

Gentlemen:

Our letter of November 17, 1978, proposed a change to ANO-2 Technical Specification 6.5.1.2. Based on subsequent conversations with the Staff we wish to amend that proposal. The amended specification is attached. Explanation and justification for the change is as follows.

As required by position D.4.4.G of Appendix D, Supplement 2 to the ANO-2 Safety Evaluation Report, the above letter submitted a Technical Specification change to incorporate a qualified software consultant in the Plant Safety Committee Membership. As discussed with the Staff, we anticipate future difficulties should we have to replace the individual currently filling that membership as few people have expertise in both Nuclear Engineering and Computer Software.

Therefore, we propose that this membership may be filled by two individuals, one with expertise in Nuclear Engineering and the other with expertise in Computer Software. These two individuals will fill the membership jointly and have a combined singular vote. This does not preclude the possibility of filling the membership with one individual with expertise in both areas if such an individual is available.

Generic qualifications for the membership shall be as follows.

One Individual

The Nuclear Software Expert shall have as a minimum a Bachelor's degree in Science or Engineering, Nuclear preferred (in accordance with ANSI N 18.1). In addition, he shall have a minimum of four years of technical

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experience, of which a minimum of two years shall be in Nuclear Engineering and a minimum of two years shall be in software engineering. The two years of technical experience in software engineering may be general software experience not necessarily related to the software of the Core Protection Calculator System. One of these two years of experience shall be with certified computer programs.

Two Individuals

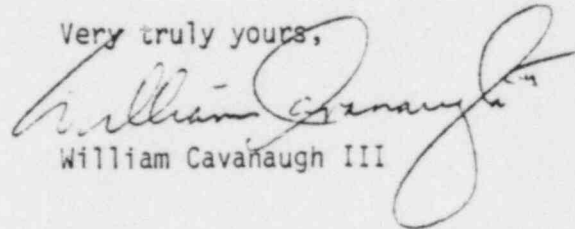
One of the individuals shall meet the requirements of the nuclear engineering portion of the above. The second individual shall have a Bachelor of Science degree (digital computer speciality) and meet the software engineering requirements of the above.

The membership (the Nuclear Software Expert or the Computer Specialist) shall be knowledgeable of the Core Protection Calculator System with regard to:

- a. The software modules, their interactions with each other and with the data base.
- b. The relationship between operator's module inputs and the trip variables.
- c. The relationship between sensor input signals and the trip variable.
- d. The design basis of the CPCS.
- e. The approved software change procedure and documentation requirements of a software change.
- f. The security of the computer memory and access procedures to the memory.

As a matter of clarification, we understand Software Engineering to be that branch of science and technology which deals with the design and use of software. Software Engineering is a discipline directed to the production and modification of computer programs that are correct, efficient, flexible, maintainable, and understandable, in reasonable time spans, and at reasonable costs.

Very truly yours,



William Cavanaugh III

WC:JTE:vb

Attachment

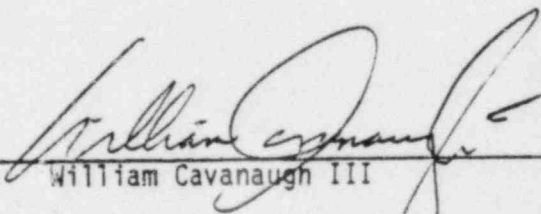
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William Cavanaugh III, being duly sworn, states that he is Vice President, Generation & Construction, for Arkansas Power & Light Company; that he is authorized on the part of said Company to sign and file with the Nuclear Regulatory Commission this Supplementary Information; that he has reviewed or caused to have reviewed all of the statements contained in such information, and that all such statements made and matters set forth therein are true and correct to the best of his knowledge, information and belief.



William Cavanaugh III

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for the County and State above named, this 26th day of February 1979.



Notary Public

My Commission Expires:

February 17, 1982

ADMINISTRATIVE CONTROLS

6.3 UNIT STAFF QUALIFICATIONS

6.3.1 Each member of the unit staff shall meet or exceed the minimum qualifications of ANSI N18.1-1971 for comparable positions, except for the Health Physics Supervisor who shall meet or exceed the qualifications of Regulatory Guide 1.8, September 1975.

6.4 TRAINING

6.4.1 A retraining and replacement training program for the unit staff shall be maintained under the direction of the General Manager and shall meet or exceed the requirements and recommendations of Section 5.5 of ANSI N18.1-1971 and Appendix "A" of 10 CFR Part 55.

6.4.2 A training program for the Fire Brigade shall be maintained under the direction of the General Manager and shall meet or exceed the requirements of Section 27 of the NFPA Code - 1975, except for Fire Brigade training sessions which shall be held at least quarterly.

6.5 REVIEW AND AUDIT

6.5.1 PLANT SAFETY COMMITTEE (PSC)

FUNCTION

6.5.1.1 The Plant Safety Committee shall function to advise the General Manager on all matters related to nuclear safety.

COMPOSITION

6.5.1.2 The Plant Safety Committee shall be composed of the:

Chairman:	Operations and Maintenance Manager
Member:	Operations Superintendent
Member:	Technical Analysis Superintendent
Member:	Maintenance Superintendent
Member:	Instrumentation & Controls Superintendent
Member:	Plant Analysis Superintendent
Member:	Health Physics Supervisor
Member:	Nuclear Software Expert*

The General Manager shall appoint in writing an acting chairman in the absence of the Operations and Maintenance Manager.

*If one of the above members of the Plant Safety Committee meets the qualification requirements for this position, the requirement to have this member is satisfied. This membership may be filled by two appropriately qualified individuals who shall ballot with a single combined vote.