



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

ARKANSAS POWER & LIGHT COMPANY

DOCKET NO. 50-313

ARKANSAS NUCLEAR ONE - UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 58  
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 January 30, 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.

ATTACHMENT TO LICENSE AMENDMENT NO. 58

FACILITY OPERATING LICENSE NO. DPR-51

DOCKET NO. 50-313

Replace the following pages of the Appendices "A" and "B" Technical Specifications with the enclosed pages. The revised pages are identified by amendment number and contain vertical lines indicating the area of charge.

Appendix "A" Pages

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Appendix "B" Pages

5-1

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ARKANSAS NUCLEAR ONE

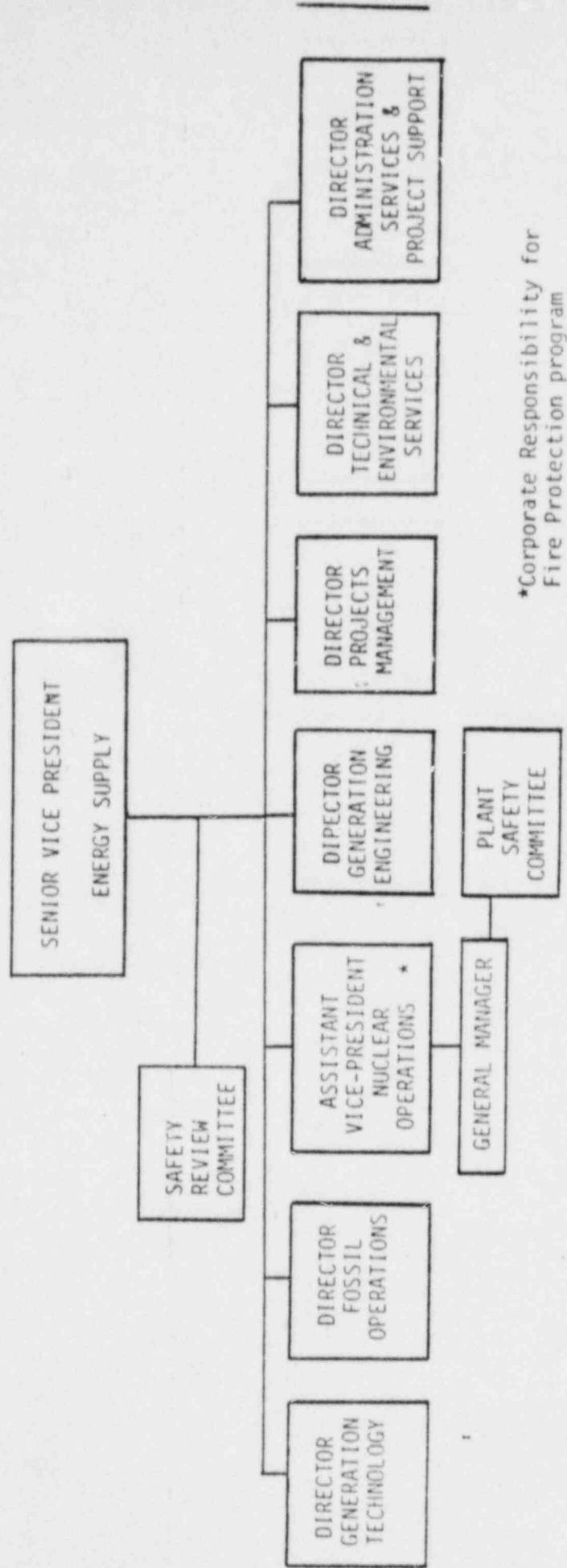


Figure 6.2-1 Management Organization Chart

- g. Review of facility operations to detect potential nuclear safety hazards.
- h. Performance of special reviews, investigations and reports thereon as requested by the General Manager.
- i. Review of the Plant Security Plan and implementing procedures and shall submit recommended changes to the General Manager.
- j. Review of the Emergency Plan and implementing procedures and shall submit recommended changes to the General Manager.

#### AUTHORITY

6.5.1.7.1 The Plant Safety Committee shall:

- a. Recommend to the General Manager written approval or disapproval of items considered under 6.5.1.6(a) through (d) above.
- b. Render determinations in writing with regard to whether or not each item considered under 6.5.1.6(a) through (e) above constitutes an unreviewed safety question.
- c. Provide written notification within 24 hours to the Assistant Vice-President, Nuclear Operations and the Safety Review Committee of disagreement between the PSC and the General Manager; however, the General Manager shall have responsibility for resolution of such disagreements pursuant to 6.1.1 above.

#### RECORDS

6.5.1.8 The Plant Safety Committee shall maintain written minutes of each PSC meeting that, at a minimum, document the results of all PSC activities performed under the responsibility and authority provisions of these technical specifications. Copies shall be provided to the General Manager and Chairman of the Safety Review Committee.

6.5.2 Safety Review Committee (SRC)

#### FUNCTION

- 6.5.2.1 The Safety Review Committee shall function to provide independent review and audit of designated activities in the areas of:
- a. nuclear power plant operations
  - b. nuclear engineering
  - c. chemistry and radiochemistry

- d. metallurgy
- e. instrumentation and control
- f. radiological safety
- g. mechanical and electrical engineering
- h. quality assurance practices

#### COMPOSITION

6.5.2.2 The SRC shall be composed of the:

Chairman: Director, Technical and Environmental Services  
 Member: Assistant Vice-President, Nuclear Operations  
 Member: Director, Generation Technology  
 Member: Manager, Quality Assurance  
 Member: Arkansas Nuclear One Plant Safety Committee Chairman  
 Member: Manager, Technical Analysis  
 Member: Arkansas Nuclear One Plant Analysis Superintendent  
 Member: Director, Generation Engineering  
 Member: Manager, Electrical Engineering  
 Member: Manager of System Nuclear Operations \*

The Chairman shall designate in writing the alternate chairman in the absence of the SRC Chairman.

#### ALTERNATES

6.5.2.3 All alternate members shall be appointed in writing by the SRC Chairman to serve on a temporary basis; however, no more than two alternates shall participate as voting members in SRC activities at any one time.

#### CONSULTANTS

6.5.2.4 Consultants shall be utilized as determined by the SRC Chairman to provide expert advice to the SRC.

#### MEETING FREQUENCY

6.5.2.5 The SRC shall meet at least once per calendar quarter during the initial year of facility operation following fuel loading and at least once per six months thereafter.

#### QUORUM

6.5.2.6 The minimum quorum of the SRC necessary for the performance of the SRC review and audit functions of these technical specifications shall consist of the Chairman or his designated alternate and at least 4 SRC members including alternates. No more than a minority of the quorum shall have line responsibility for operation of the unit.

\*Middle South Services

- d. The Facility Emergency Plan and implementing procedures at least once per two years.
- e. The Facility Fire Protection Program and implementing procedures at least once per two years.
- f. The Facility Security Plan and implementing procedures at least once per two years.
- g. Any other area of facility operation considered appropriate by the SRC or the Senior Vice President, Energy Supply (SRVP, ES).
- h. An independent fire protection and loss prevention program inspection and audit shall be performed at least once per 12 months utilizing either qualified off-site licensee personnel or an outside fire protection firm.

#### AUTHORITY

- 6.5.2.9 The SRC shall report to and advise the Senior Vice President, Energy Supply, (SRVP, ES) on those areas of responsibility specified in Sections 6.5.2.7 and 6.5.2.8.

#### RECORDS

- 6.5.2.10 Records of SRC activities shall be prepared, approved and distributed as indicated below:
  - a. Minutes of each SRC meeting shall be prepared, approved and forwarded to the Senior Vice President, Energy Supply (SRVP, ES) within 14 days following each meeting.
  - b. Reports of reviews encompassed by Section 6.5.2.7 above shall be prepared, approved and forwarded to the Senior Vice President, Energy Supply (SRVP, ES) within 14 days following completion of the review.
  - c. Audit reports encompassed by Section 6.5.2.8 above shall be forwarded to the Senior Vice President, Energy Supply (SRVP, ES) and to the management positions responsible for the areas audited within 30 days after completion of the audit.

6.6 REPORTABLE OCCURRENCE ACTION

6.6.1 The following actions shall be taken for Reportable Occurrences:

- a. The Commission shall be notified and/or a report submitted pursuant to the requirements of Specification 6.12.
- b. Each Reportable Occurrence requiring 24-hour notification to the Commission shall be reviewed by the PSC and submitted to the SRC and the Assistant Vice-President, Nuclear Operations by the General Manager.

6.7 SAFETY LIMIT VIOLATION

6.7.1 The following actions shall be taken in the event a Safety Limit is violated:

## 5.0 ADMINISTRATIVE CONTROLS

### 5.1 Responsibility

Corporate responsibility for implementation of the Environmental Technical Specifications, and for assuring that station operations are controlled to provide protection for the environment has been assigned to the Senior Vice President, Energy Supply.

The ANO General Manager, through the Engineering and Technical Support Manager, and Technical Analysis Superintendent shall be responsible for compliance with the Environmental Technical Specifications at the plant level.

The Manager of Technical Analysis shall be responsible for radiological analysis of environmental samples.

### 5.2 Organization

Figure 5-1 shows the organization chart at both plant and corporate levels relative to environmental matters.

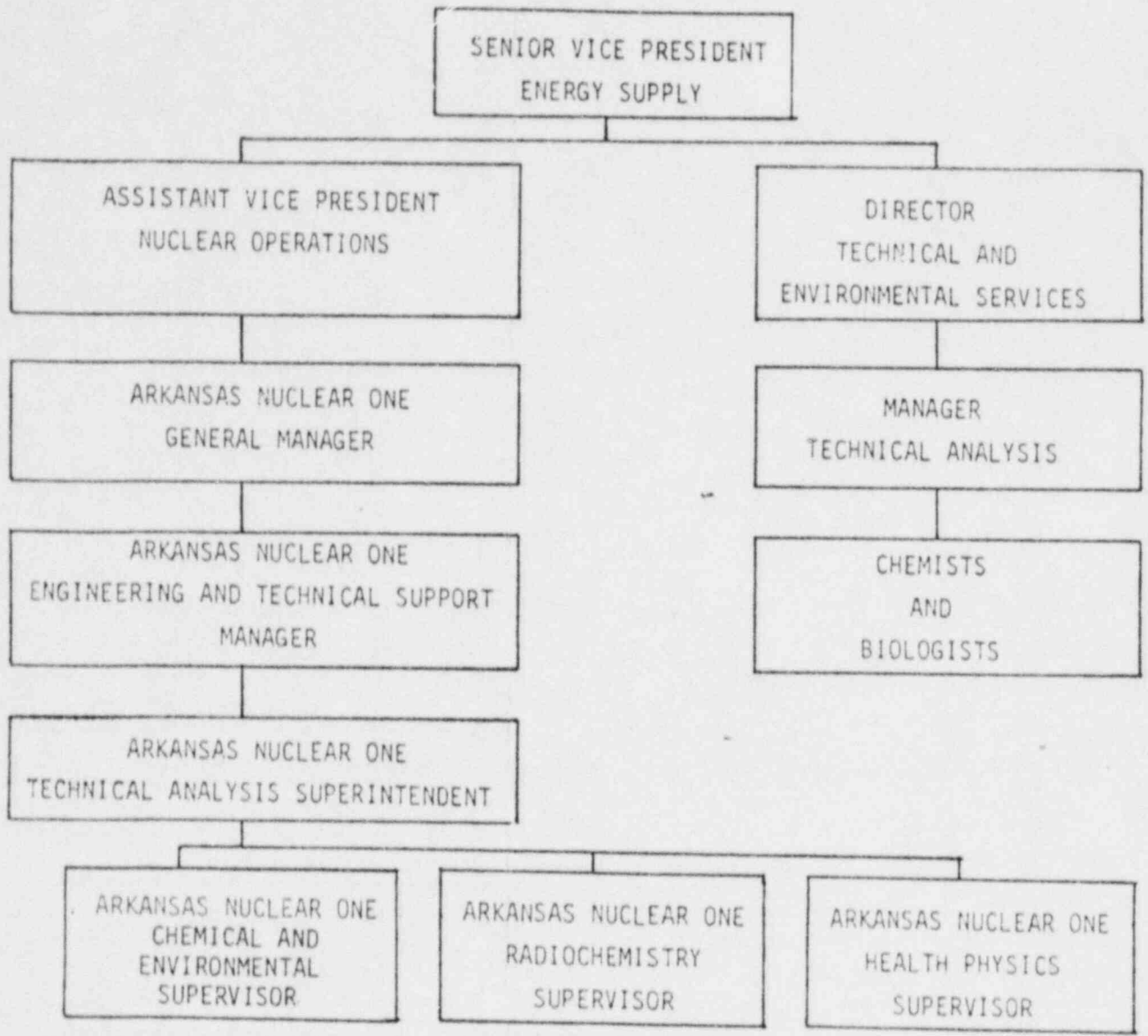
### 5.3 Review

#### 5.3.1 The Plant Safety Committee

The Plant Safety Committee (PSC) shall be responsible for review of the following:

- a. Proposed changes to the Environmental Technical Specifications and the evaluated impact of the changes.
- b. Proposed written procedures, as described in Specification 5.5, and proposed changes thereto which affect the plant's environmental impact.





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ENVIRONMENTAL SURVEILLANCE  
ORGANIZATION CHART

FIGURE NO.  
5-1



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

ARKANSAS POWER & LIGHT COMPANY

DOCKET NO. 50-368

ARKANSAS NUCLEAR ONE - UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 25  
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 January 30, 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.

ATTACHMENT TO LICENSE AMENDMENT NO. 25

FACILITY OPERATING LICENSE NO. NPF-6

DOCKET NO. 50-368

Replace the following pages of the Appendices "A" and "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.

Appendix "A" Pages

6-2

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Appendix "B" Pages

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## 6.0 ADMINISTRATIVE CONTROLS

### 6.1 RESPONSIBILITY

6.1.1 The General Manager shall be responsible for overall facility operation and shall delegate in writing the succession to this responsibility during his absence.

### 6.2 ORGANIZATION

#### OFFSITE

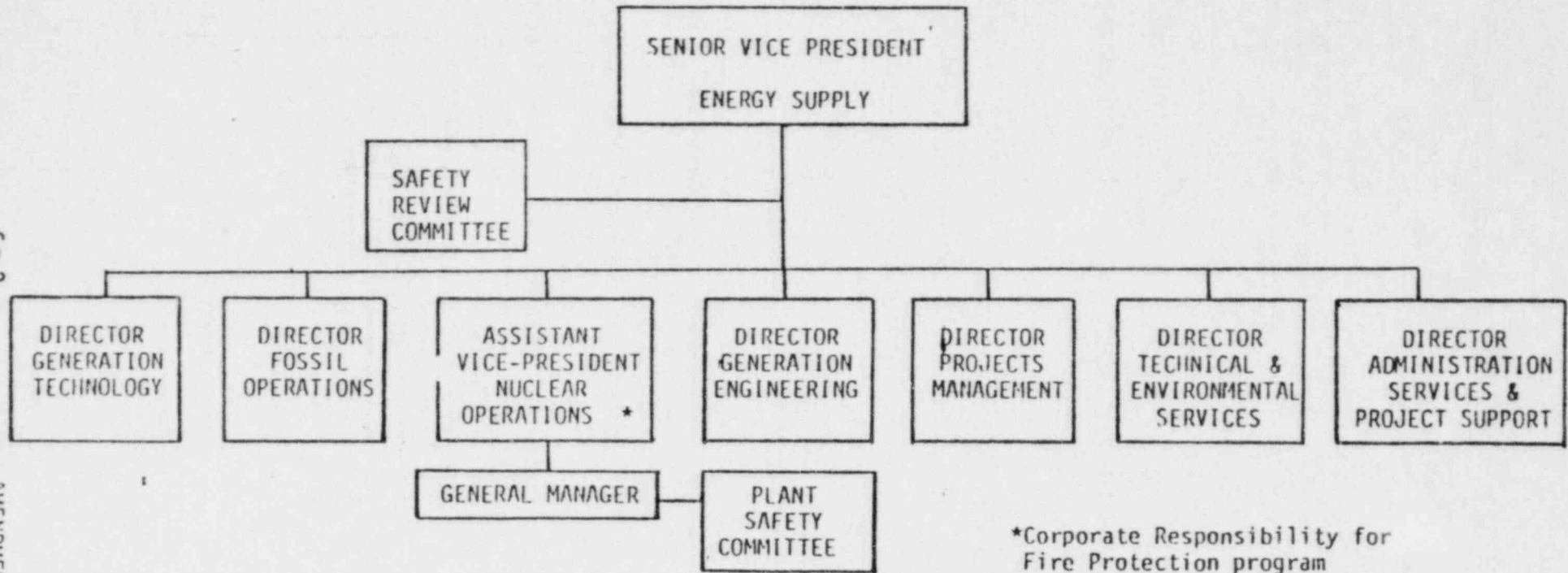
6.2.1 The offsite organization for facility management and technical support shall be as shown on Figure 6.2-1.

#### FACILITY STAFF

6.2.2 The Facility organization shall be as shown on Figure 6.2-2 and:

- a. Each on duty shift shall be composed of at least the minimum shift crew composition shown in Table 6.2-1.
- b. At least one licensed Operator shall be in the control room when fuel is in the reactor.
- c. At least two licensed Operators shall be present in the control room during reactor start-up, scheduled reactor shutdown and during recovery from reactor trips.
- d. An individual qualified in radiation protection procedures shall be on site when fuel is in the reactor.
- e. All CORE ALTERATIONS shall be directly supervised by either a licensed Senior Reactor Operator or Senior Reactor Operator Limited to Fuel Handling who has no other concurrent responsibilities during this operation.
- f. A site Fire Brigade of at least 5 members shall be maintained onsite at all times. The Fire Brigade shall not include 3 members of the minimum shift crew necessary for safe shutdown of the unit and any personnel required for other essential functions during a fire emergency.

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\*Corporate Responsibility for  
Fire Protection program

Figure 6.2-1 Management Organization Chart

## ADMINISTRATIVE CONTROLS

- f. Review of events requiring 24 hour written notification to the Commission.
- g. Review of facility operations to detect potential nuclear safety hazards.
- h. Performance of special reviews, investigations or analyses and reports thereon as requested by the General Manager or the Safety Review Committee.
- i. Review of the Plant Security Plan and implementing procedures and shall submit recommended changes to the General Manager and the Safety Review Committee.
- j. Review of the Emergency Plan and implementing procedures and shall submit recommended changes to the General Manager and the Safety Review Committee.

### AUTHORITY

6.5.1.7 The Plant Safety Committee shall:

- a. Recommend in writing to the General Manager approval or disapproval of items considered under 6.5.1.6(a) through (d) above.
- b. Render determinations in writing with regard to whether or not each item considered under 6.5.1.6(a) through (e) above constitutes an unreviewed safety question.
- c. Provide written notification within 24 hours to the Assistant Vice President, Nuclear Operations and the Safety Review Committee of disagreement between the PSC and the General Manager; however, the General Manager shall have responsibility for resolution of such disagreements pursuant to 6.1.1 above.

### RECORDS

6.5.1.8 The Plant Safety Committee shall maintain written minutes of each PSC meeting that, at a minimum, document the results of all PSC activities performed under the responsibility and authority provisions of these technical specifications. Copies shall be provided to the General Manager and Chairman of the Safety Review Committee.

## ADMINISTRATIVE CONTROLS

### 6.5.2 SAFETY REVIEW COMMITTEE (SRC)

#### FUNCTION

6.5.2.1 The Safety Review Committee shall function to provide independent review and audit of designated activities in the areas of:

- a. nuclear power plant operations
- b. nuclear engineering
- c. chemistry and radiochemistry
- d. metallurgy
- e. instrumentation and control
- f. radiological safety
- g. mechanical and electrical engineering
- h. quality assurance practices

#### COMPOSITION

6.5.2.2. The SRC shall be composed of the:

Chairman: Director, Technical and Environmental Services  
Member: Assistant Vice-President, Nuclear Operations  
Member: Director, Generation Technology  
Member: Manager, Quality Assurance  
Member: Arkansas Nuclear One Plant Safety Committee Chairman  
Member: Manager, Technical Analysis  
Member: Arkansas Nuclear One Plant Analysis Superintendent  
Member: Director, Generation Engineering  
Member: Manager, Electrical Engineering  
Member: Manager of System Nuclear Operations\*

The Chairman shall designate in writing the alternate chairman in the absence of the SRC Chairman.

\* Middle South Services

## ADMINISTRATIVE CONTROLS

### AUDITS

6.5.2.8 Audits of unit activities shall be performed under the cognizance of the SRC. These audits shall encompass:

- a. The conformance of unit operation to provisions contained within the Technical Specifications and applicable license conditions at least once per 12 months.
- b. The performance, training, and qualifications of the entire unit staff at least once per 12 months.
- c. The results of actions taken to correct deficiencies occurring in unit equipment, structures, systems, or method of operation that affect nuclear safety at least once per 6 months.
- d. The performance of activities required by the Operational Quality Assurance Program to meet the criteria of Appendix "B", 10 CFR 50, at least once per 24 months.
- e. The Facility Emergency Plan and implementing procedures at least once per 24 months.
- f. The Facility Security Plan and implementing procedures at least once per 24 months.
- g. Any other area of unit operation considered appropriate by the SRC or the Senior Vice President, Energy Supply (SRVP,ES).
- h. The Facility Fire Protection Program and implementing procedures at least once per 24 months.
- i. An independent fire protection and loss prevention program inspection and audit shall be performed at least once per 12 months utilizing either qualified offsite licensee personnel or an outside fire protection firm.
- j. An inspection and audit of the fire protection and loss prevention program shall be performed by a qualified outside fire consultant at least once per 36 months.

### AUTHORITY

6.5.2.9 The SRC shall report to and advise the Senior Vice-President, Energy Supply (SRVP,ES) on those areas of responsibility specified in Sections 6.5.2.7 and 6.5.2.8.



## ADMINISTRATIVE CONTROLS

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### RECORDS

6.5.2.10 Records of SRC activities shall be prepared, approved and distributed as indicated below:

- a. Minutes of each SRC meeting shall be prepared, approved and forwarded to the Senior Vice President, Energy Supply (SRVP,ES) within 14 days following each meeting.
- b. Reports of reviews encompassed by Section 6.5.2.7 above, shall be prepared, approved and forwarded to the Senior Vice President, Energy Supply (SRVP,ES) within 14 days following completion of the review.
- c. Audit reports encompassed by Section 6.5.2.8 above, shall be forwarded to the Senior Vice President, Energy Supply (SRVP,ES) and to the management positions responsible for the areas audited within 30 days after completion of the audit.

### 6.6 REPORTABLE OCCURRENCE ACTION

6.6.1 The following actions shall be taken for REPORTABLE OCCURRENCES:

- a. The Commission shall be notified and/or a report submitted pursuant to the requirements of Specification 6.9.
- b. Each REPORTABLE OCCURRENCE requiring 24 hour notification to the Commission shall be reviewed by the PSC and submitted to the SRC and the Assistant Vice President, Nuclear Operations.

## ADMINISTRATIVE CONTROLS

### 6.7 SAFETY LIMIT VIOLATION

6.7.1 The following actions shall be taken in the event a Safety Limit is violated:

- a. The unit shall be placed in at least HOT STANDBY within one hour.
- b. The Safety Limit violation shall be reported to the Commission, the Assistant Vice-President, Nuclear Operations, and to the SRC within 24 hours.
- c. A Safety Limit Violation Report shall be prepared. The report shall be reviewed by the PSC. This report shall describe (1) applicable circumstances preceding the violation, (2) effects of the violation upon facility components, systems or structures, and (3) corrective action taken to prevent recurrence.
- d. The Safety Limit Violation Report shall be submitted to the Commission, the SRC and the Assistant Vice-President, Nuclear Operations, within 14 days of the violation.

### 6.8 PROCEDURES

6.8.1 Written procedures shall be established, implemented and maintained covering the activities referenced below:

- a. The applicable procedures recommended in Appendix "A" of Regulatory Guide 1.33, Revision 2, February 1978.
- b. Refueling operations.
- c. Surveillance and test activities of safety related equipment.
- d. Security Plan implementation.
- e. Emergency Plan implementation.
- f. Fire Protection Program implementation.

6.8.2 Each procedure of 6.8.1 above, and changes thereto, shall be reviewed by the PSC and approved by the General Manager prior to implementation and reviewed periodically as set forth in administrative procedures.

## ADMINISTRATIVE CONTROLS

6.8.3 Temporary changes to procedures of 6.8.1 above may be made provided:

- a. The intent of the original procedure is not altered.
- b. The change is approved by two members of the plant management staff, at least one of whom holds a Senior Reactor Operator's License on the unit affected.
- c. The change is documented, reviewed by the PSC and approved by the General Manager within 14 days of implementation.

## 6.9 REPORTING REQUIREMENTS

### ROUTINE REPORTS AND REPORTABLE OCCURRENCES

6.9.1 In addition to the applicable reporting requirements of Title 10, Code of Federal Regulations, the following reports shall be submitted to the Director of the Regional Office of Inspection and Enforcement unless otherwise noted.

### STARTUP REPORT

6.9.1.1 A summary report of plant startup and power escalation testing shall be submitted following (1) receipt of an operating license, (2) amendment to the license involving a planned increase in power level, (3) installation of fuel that has a different design or has been manufactured by a different fuel supplier, and (4) modifications that may have significantly altered the nuclear, thermal, or hydraulic performance of the plant.

6.9.1.2 The startup report shall address each of the tests identified in the FSAR and shall include a description of the measured values of the operating conditions or characteristics obtained during the test program and a comparison of these values with design predictions and specifications. Any corrective actions that were required to obtain satisfactory operation shall also be described. Any additional specific details required in license conditions based on other commitments shall be included in this report.

6.9.1.3 Startup reports shall be submitted within (1) 90 days following completion of the startup test program, (2) 90 days following resumption or commencement of commercial power operation, or (3) 9 months following initial criticality, whichever is earliest. If the Startup Report does not cover all three events (i.e., initial criticality, completion of startup test program, and resumption or commencement of commercial power operation), supplementary reports shall be submitted at least every three months until all three events have been completed.

## 5.0 ADMINISTRATIVE CONTROLS

### 5.1 Responsibility

Corporate responsibility for implementation of the Environmental Technical Specifications, and for assuring that station operations are controlled to provide protection for the environment has been assigned to the Senior Vice-President, Energy Supply.

The ANO General Manager, through the Engineering and Technical Support Manager, and Technical Analysis Superintendent, shall be responsible for compliance with the Environmental Technical Specifications at the plant level.

The Manager of Technical Analysis shall be responsible for radiological analysis of environmental samples.

### 5.2 Organization

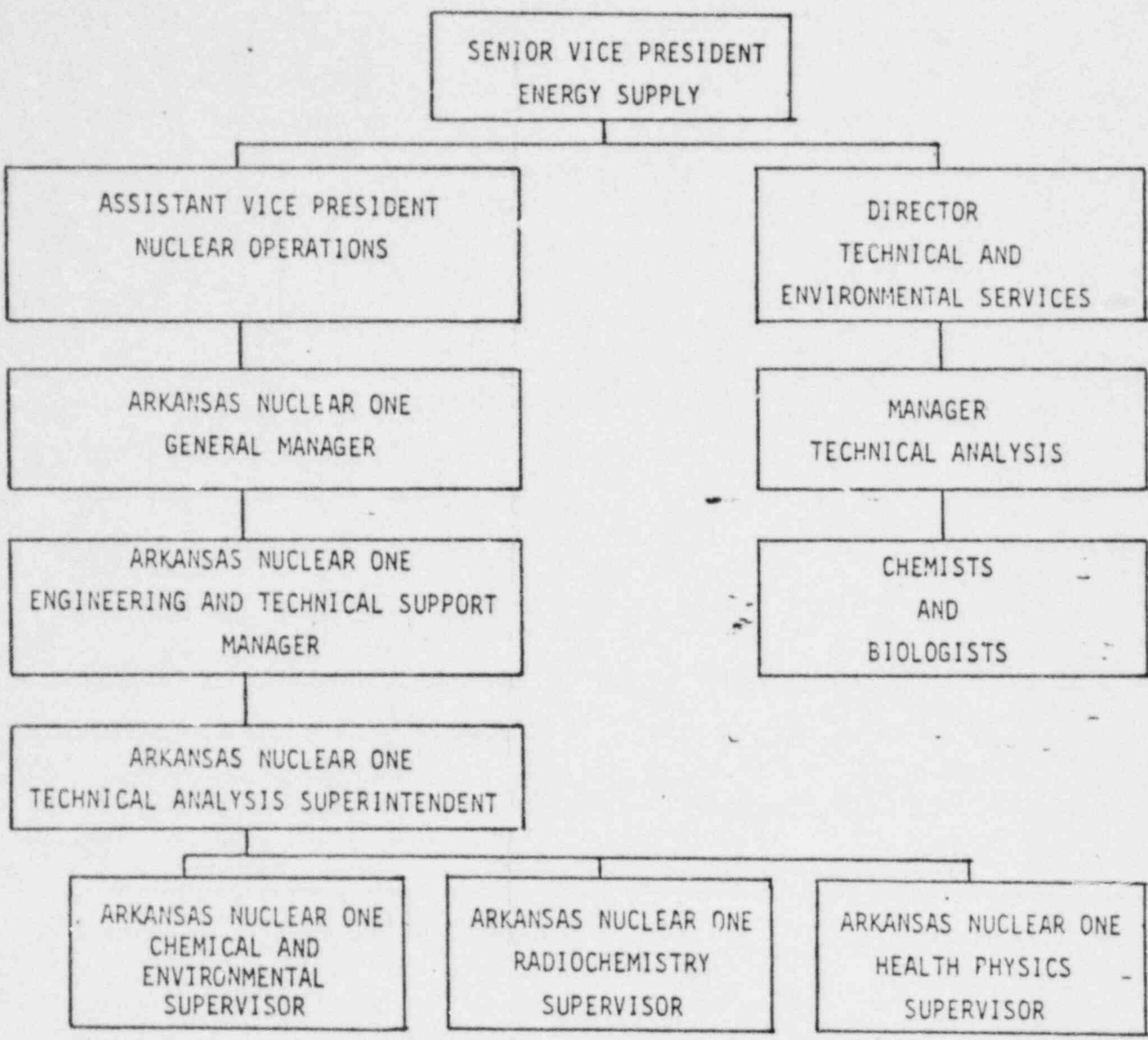
Figure 5-1 shows the organization chart at both plant and corporate levels relative to environmental matters.

### 5.3 Review

#### 5.3.1 Plant Safety Committee

The Plant Safety Committee (PSC) shall be responsible for review of the following:

- a. Proposed changes to the Environmental Technical Specifications and the evaluated impact of the changes.
- b. Proposed written procedures, as described in Specification 5.5, and proposed changes thereto which affect the plant's environmental impact.



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ENVIRONMENTAL SURVEILLANCE  
ORGANIZATION CHART

FIGURE NO.  
5-1