



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

SOUTHERN CALIFORNIA EDISON COMPANY

SAN DIEGO GAS & ELECTRIC COMPANY

DOCKET NO. 50-206

AMENDMENT TO PROVISIONAL OPERATING LICENSE

Amendment No. 66
License No. DPR-13

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Southern California Edison Company and San Diego Gas and Electric Company (the licensees) dated December 18, 1981, as modified August 5, 1982, 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 of this license amendment and Paragraph 3.B of Provisional Operating License No. DPR-13 is hereby amended to read as follows:

B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 66, are hereby incorporated in the license. Southern California Edison Company shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective upon issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

for *Walter A. Paulson*
Dennis M. Crutchfield, Chief
Operating Reactors Branch #5
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: December 28, 1982

ATTACHMENT TO LICENSE AMENDMENT NO. 66

PROVISIONAL OPERATING LICENSE NO. DPR-13

DOCKET NO. 50-206

Revise Appendix A Technical Specifications and Bases and Appendix B Environmental Technical Specifications by removing the following pages and inserting the enclosed pages. The revised pages contain the captioned amendment number and vertical lines indicating the areas of change.

Remove Pages

68
69
70
70a
72
72a
73
74
75
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79
79a

Insert Pages

68
69
70
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72
72a
73
74
75
75a and 75b*
79*
79a

(Appendix B)

5-2 through
5-7

5-2 through
5-7

*There are no changes to the provisions contained on this page; it is merely included for pagination purposes.

6.0 ADMINISTRATIVE CONTROLS

6.1 RESPONSIBILITY

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

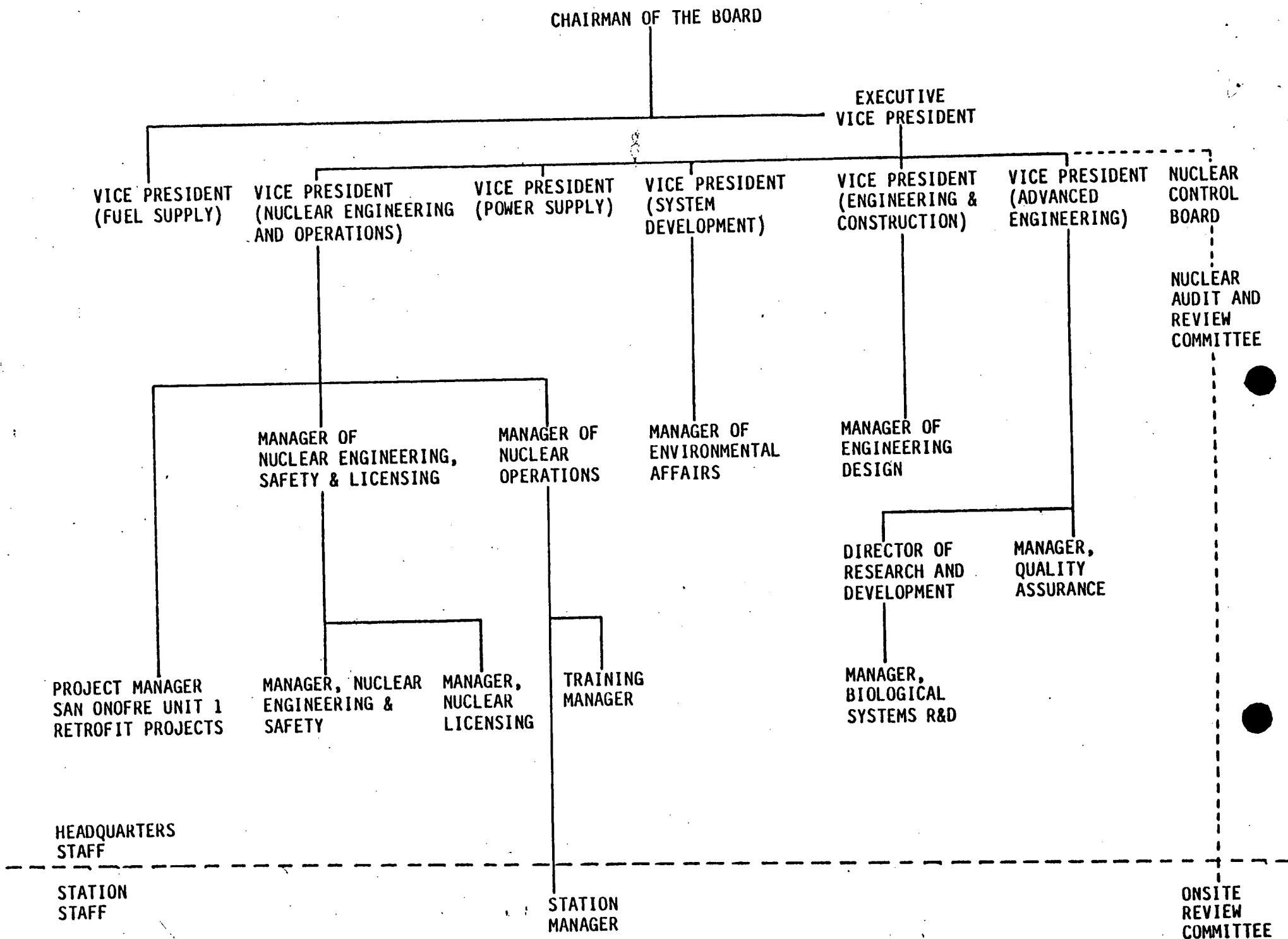
6.2 ORGANIZATION

OFFSITE

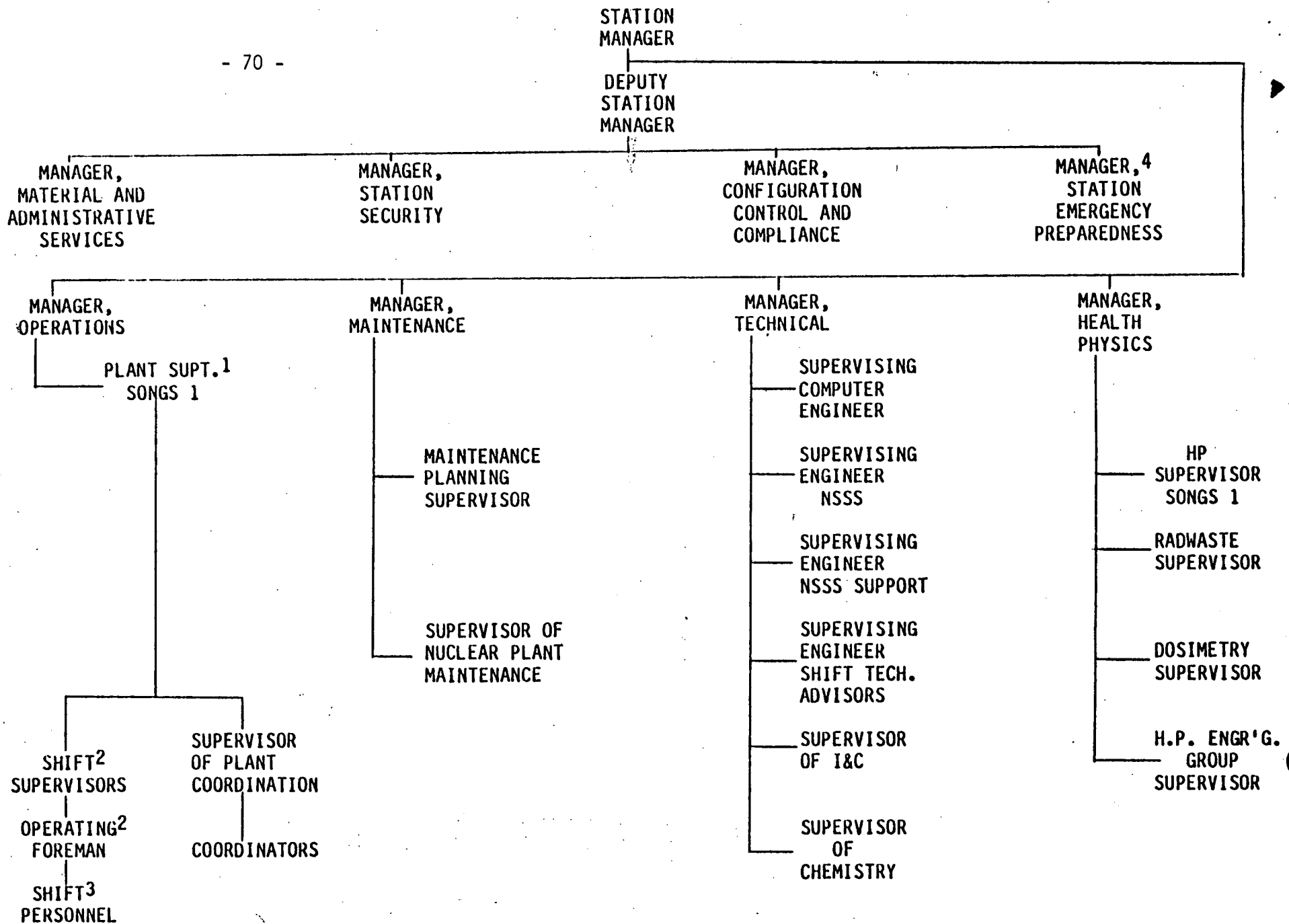
- 6.2.1 The offsite organization for facility management and technical support shall be as shown on Figure 6.2.1.1

FACILITY STAFF

- 6.2.2 The Facility organization shall be as shown on Figure 6.2.2.2 and:
- a. Each on-duty shift shall be composed of at least the minimum shift crew composition shown in Table 6.2.2.2.



6.2.1.1 OFFSITE ORGANIZATION



¹At time of appointment to the position, Senior Reactor Operator license required.

²Senior Reactor license required.

³Control and Assistant Control Operators are holders of Reactor Operator licenses.

⁴Includes fire protection.

FIGURE 6.2.2.2 FACILITY ORGANIZATION

Amendment No. ~~42.54~~, 66

- b. At least one licensed Operator shall be at the controls when fuel is in the reactor.* During refueling operations this operator is permitted to step outside the red line to update the refueling status board.
- c. At least two licensed Operators shall be present in the control room during reactor startup, scheduled reactor shutdown and during recovery from reactor trips.** One of the two licensed Operators is permitted to be present in the Chemical Laboratory or the area around and behind the vertical instrumentation boards for short periods of time for the purpose of checking necessary instrumentation.
- d. An individual qualified in radiation protection supervision shall be on site when fuel is in the reactor.
- e. All core alterations after the initial fuel loading shall be directly supervised by a licensed Senior Reactor Operator.
- f. A Fire Brigade of at least five members shall be maintained on site at all times. This excludes members of the minimum shift crew necessary for safe shutdown of Unit 1 and any personnel required for other essential functions during a fire emergency.

* "At the controls" means within the area bounded by the three vertical instrumentation boards and the red line on the floor of the control room.

** Reactor startup, reactor shutdown and recovery from reactor trips means operations between $k_{eff} = 0.99$ and the attainment of 5% indicated thermal power.

6.3 Unit Staff Qualifications

6.3.1 Each member of the facility staff shall meet or exceed the minimum qualifications of ANSI N18.1-1971, "Selection and Training of Personnel for Nuclear Power Plants," for comparable positions. The Manager, Health Physics shall meet or exceed the minimum qualifications of Regulatory Guide 1.8, September 1975. The Shift Technical Advisor shall have a bachelor's degree or equivalent in a scientific or engineering discipline with specific training in plant design, and response and analysis of the plant for transients and accidents.

6.4 Training

- 6.4.1 A retraining and replacement training program for the facility staff shall be maintained under the direction of the Training 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 Training Manager and shall meet or exceed the requirements of Section 27 of the National Fire Protection Association Code - 1976."

6.5 REVIEW AND AUDIT

6.5.1 Onsite Review Committee (OSRC)

FUNCTION

6.5.1.1 The Onsite Review Committee shall function to advise the Station Manager on all matters related to nuclear safety.

COMPOSITION

6.5.1.2 The Onsite Review Committee shall be composed of the:

Chairman:	Station Manager
Member:	Deputy Station Manager
Member:	Manager, Operations
Member:	Manager, Technical
Member:	Plant Superintendent SONGS 1
Member:	Supervisor of I&C
Member:	Manager, Health Physics
Member:	Supervisor of Chemistry
Member:	Manager, Maintenance
Member:	Supervising Engineer (NSSS, NSSS Support, Computer, or STA)
Member:	San Diego Gas & Electric Representative, Senior Engineer ⁽¹⁾

ALTERNATES

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

MEETING FREQUENCY

6.5.1.4 The OSRC shall meet at least once per calendar month and as convened by the OSRC Chairman or his designated alternate.

QUORUM

6.5.1.5 The minimum quorum of the OSRC necessary for the performance of the OSRC responsibility and authority provisions of these Technical Specifications shall consist of the Chairman or his designated alternate and four members including alternates.

⁽¹⁾ BS degree in Engineering or Physical Science plus at least four years professional level experience in his field. At least one of the four years experience shall be nuclear power plant experience.

RESPONSIBILITIES

6.5.1.6 The Onsite Review Committee shall be responsible for:

- a. Investigation of all violations of the Technical Specifications including the preparation and forwarding of reports covering evaluation and recommendations to prevent recurrence to the Chairman of the Nuclear Audit and Review Committee (NARC).
- b. Review of events requiring 24-hour written notification to the Commission.
- c. Review of unit operations to detect potential nuclear safety hazards.
- d. Performance of special reviews, investigations or analyses and reports thereon as requested by the Station Manager or the Chairman of the NARC.
- e. Review and documentation of judgment concerning prolonged operation in bypass, channel trip, and/or repair of defective protection channels of process variables placed in bypass since the last OSRC meeting.

AUTHORITY

6.5.1.7 The Onsite Review Committee (OSRC) shall:

- a. Render determinations in writing with regard to whether or not items considered under 6.5.1.6(a) above constitute unreviewed safety questions.
- b. Provide written notification within 24 hours to the Manager of Nuclear Operations and the Chairman of the NARC of disagreement between the OSRC and the Station Manager; however, the Station Manager shall have responsibility for resolution of such disagreements pursuant to 6.1.1 above.

RECORDS

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

TECHNICAL REVIEW AND CONTROL

ACTIVITIES

6.5.1.9 The Station Manager shall assure that each procedure and program required by Specification 6.8 and other procedures which affect nuclear safety, and changes thereto, is prepared by a qualified individual/organization. Each such procedure, and changes thereto, shall be reviewed by an individual/group other than the individual/group which prepared the procedure, or changes thereto, but who may be from the same organization as the individual/group which prepared the procedure, or changes thereto.

6.5.1.10 Proposed changes to the Appendix "A" Technical Specifications shall be prepared by a qualified individual/organization. The preparation of each proposed Technical Specifications change shall be reviewed by an individual/group other than the individual/group which prepared the proposed change, but who may be from the same organization as the individual/group which prepared the proposed change. Proposed changes to the Technical Specifications shall be approved by the Station Manager.

6.5.1.11 Proposed modifications to unit nuclear safety-related structures, systems and components shall be designed by a qualified individual/organization. Each such modification shall be reviewed by an individual/group other than the individual/group which designed the modification, but who may be from the same organization as the individual/group which designed the modification. Proposed modifications to nuclear safety-related structures, systems and components shall be approved prior to implementation by the Station Manager; or by the Manager, Technical as previously designated by the Station Manager.

6.5.1.12 Individuals responsible for reviews performed in accordance with 6.5.1.9, 6.5.1.10 and 6.5.1.11 shall be members of the station supervisory staff, previously designated by the Station Manager to perform such reviews. Each such review shall included a determination of whether or not additional, cross-disciplinary, review is necessary and a verification that the proposed actions do not constitute an unreviewed safety question. If deemed necessary, such review shall be performed by the appropriate designated review personnel.

6.5.1.13 Proposed tests and experiments which affect station nuclear safety and are not addressed in the FSAR or Technical Specifications shall be reviewed by the Station Manager; the Manager, Technical; the Manager, Operations; the Manager, Maintenance; the Deputy Station Manager, or the Manager, Health Physics as previously designated by the Station Manager.

6.5.1.14 The station security program, and implementing procedures, shall be reviewed at least once per 12 months. Recommended changes shall be approved by the Station Manager and transmitted to the Manager of Nuclear Operations and to the Chairman of the NARC.

6.5.1.15 The station emergency plan, and implementing procedures, shall be reviewed at least once per 12 months. Recommended changes shall be approved by the Station Manager and transmitted to the Manager of Nuclear Operations and to the Chairman of the NARC.

6.5.1.16 The Station Manager shall assure the performance of a review by a qualified individual/organization of changes to the radwaste treatment systems.

6.5.1.17 Reports documenting each of the activities performed under Specifications 6.5.1.9 through 6.5.1.16 shall be maintained. Copies shall be provided to the Manager of Nuclear Operations and the Chairman of the NARC.

6.5.2 NUCLEAR AUDIT AND REVIEW COMMITTEE (NARC)

FUNCTION

- 6.5.2.1 The NARC provides independent review and audit of designated activities in the area of nuclear safety (see Appendix A, DPR-13) and environmental impact (see Appendix B, DPR-13).

COMPOSITION

- 6.5.2.2 The NARC shall be composed of the:

Manager of Engineering Design
Manager of Environmental Affairs
Manager of Nuclear Engineering, Safety & Licensing
Manager, Quality Assurance
Manager of Nuclear Operations
Manager, Nuclear Engineering & Safety
Manager, Biological Systems Research and Development
San Diego Gas & Electric Representative

Chairmanship shall be designated by the Nuclear Control Board.

ALTERNATES

- 6.5.2.3 Alternate members shall be appointed in writing by the NARC Chairman to serve on a temporary basis; however, no more than two alternates shall participate in NARC activities at any one time.

CONSULTANTS

- 6.5.2.4 Consultants shall be utilized as determined by the NARC Chairman.

MEETING FREQUENCY

- 6.5.2.5 The NARC shall meet at least once per six months.

- b. Review and approve recommended changes to the Technical Specifications.
- c. Submit proposed changes to the Technical Specifications to the Commission.
- d. Maintain management control with respect to nuclear safety.

6.6

DELETED

6.7

SAFETY LIMIT VIOLATION

6.7.1

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

- a. The provisions of 10 CFR 50.36 (c)(1)(i) shall be complied with immediately.
- b. The Safety Limit violation shall be reported to the Commission, the Manager of Nuclear Operations and to the NARC Chairman immediately."
- c. A Safety Limit Violation Report shall be prepared. The report shall be reviewed by the OSRC. 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 NARC and the Manager of Nuclear Operations, within 14 days of the violation."

6.8

PROCEDURES

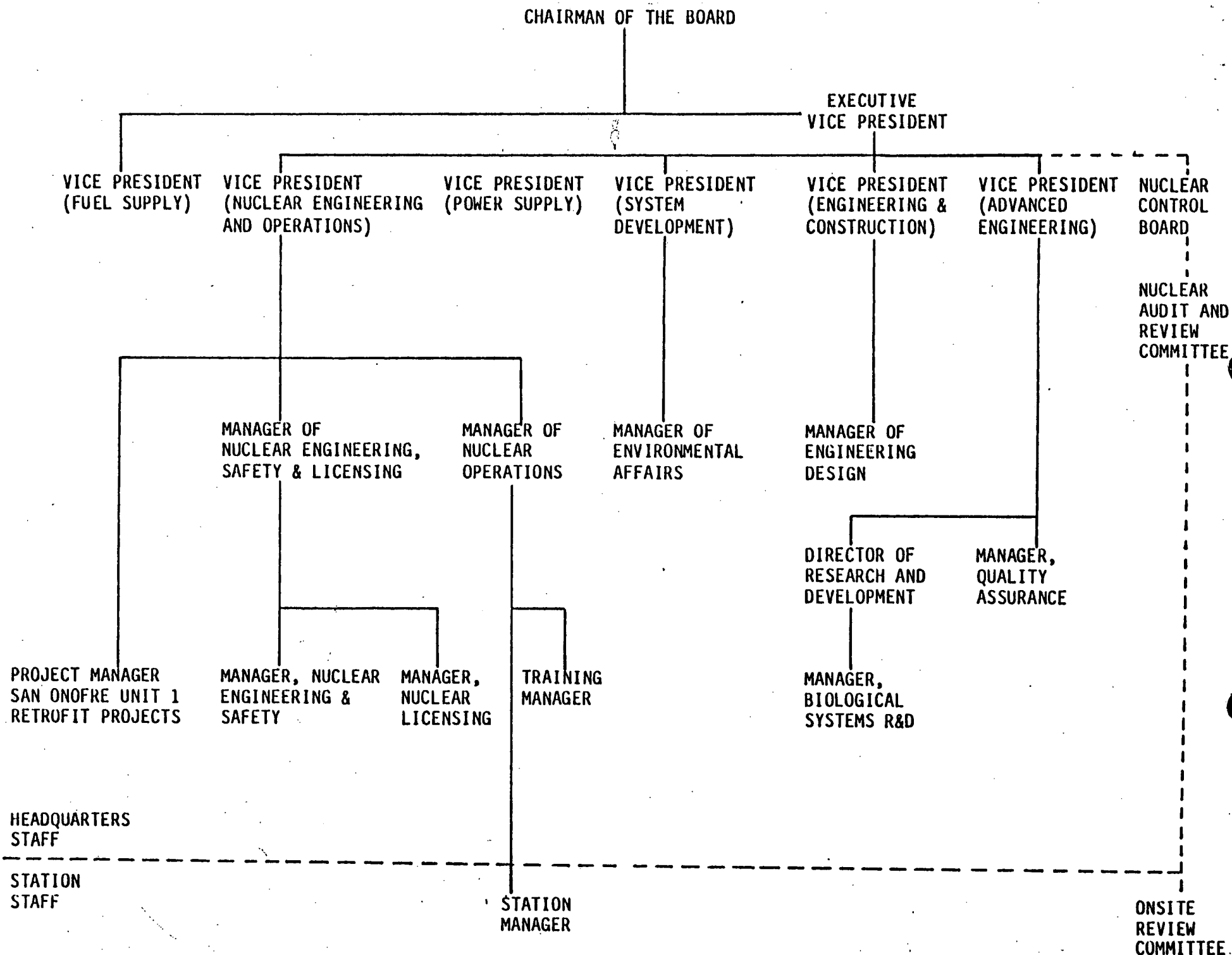
6.8.1

Written procedures and administrative policies shall be established, implemented and maintained that meet or exceed the requirements and recommendations of Sections 5.1 and 5.3 of ANSI N18.7-1976, Administrative Controls for Nuclear Power Plants; Appendix "A" of USNRC Regulatory Guide 1.33, Rev. 1, Quality Assurance Program Requirements (Operation); and Paragraph 2.2.1 of Fire Protection Program Review, STP APCS 9.5-1, San Onofre Nuclear Generating Station, Unit 1, March, 1977; except as provided in 6.8.2 and 6.8.3 below.

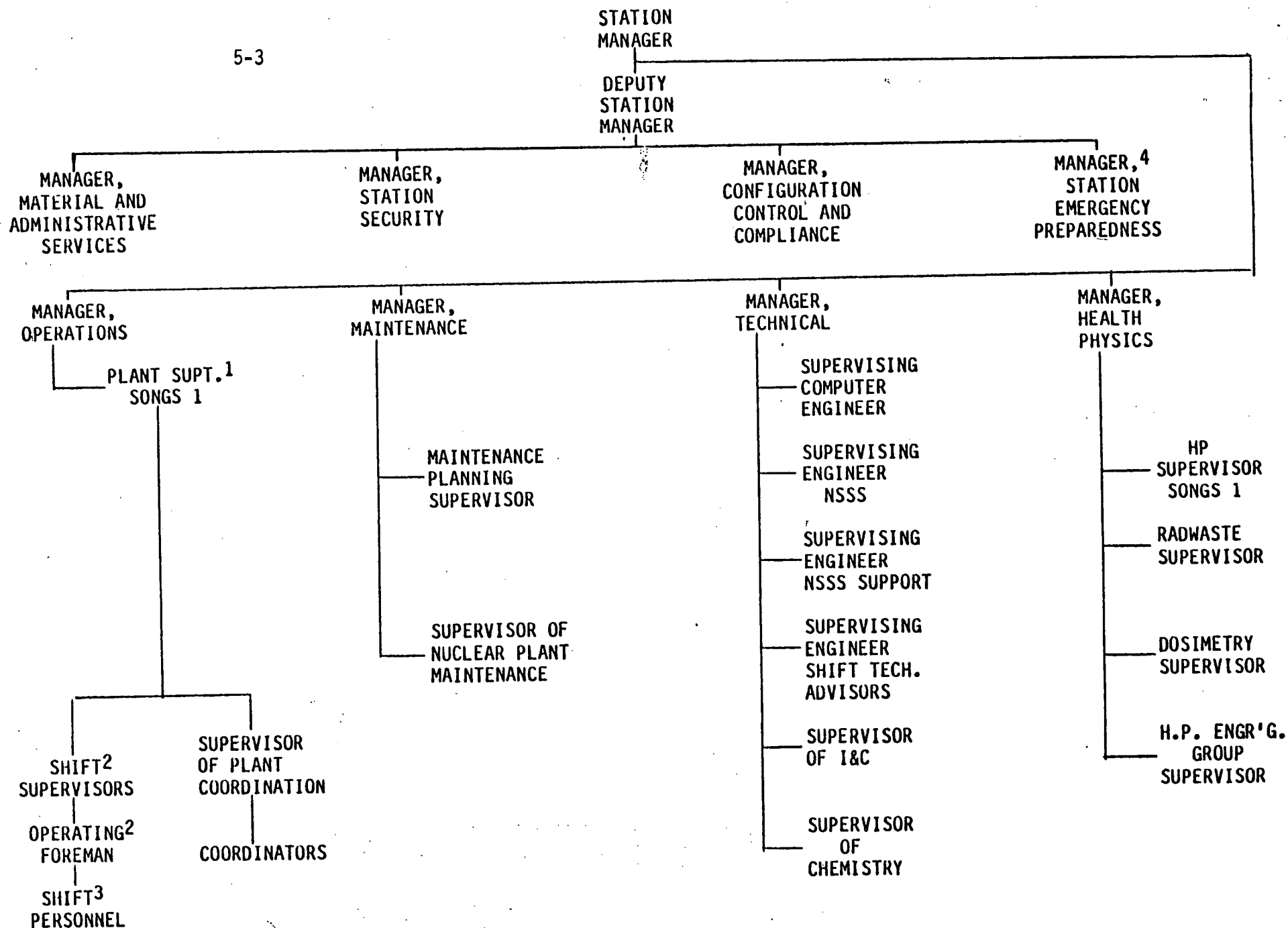
6.8.2 Each procedure of 6.8.1 above, and changes thereto, shall be reviewed and approved by the Station Manager; or by (1) the Manager, Operations, (2) the Manager, Technical, (3) the Manager, Maintenance, (4) the Deputy Station Manager, (5) the Manager, Health Physics, (6) the Manager, Station Security, (7) the Manager, Configuration Control and Compliance, (8) the Manager, Station Emergency Preparedness, or (9) the Manager, Material and Administrative Services, as previously designated by the Station Manager; prior to implementation and shall be reviewed periodically as set forth in administrative procedures.

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 and approved by the Station Manager; or by (1) the Manager, Operations, (2) the Manager, Technical, (3) the Manager, Maintenance, (4) the Deputy Station Manager, (5) The Manager, Health Physics, (6) the Manager, Station Security, (7) The Manager, Configuration Control and Compliance, (8) the Manager, Station Emergency Preparedness, or (9) the Manager, Material and Administrative Services, as previously designated by the Station Manager; within 14 days of implementation.



5.2-1 OFFSITE ORGANIZATION



¹At time of appointment to the position, Senior Reactor Operator license required.

²Senior Reactor license required.

³Control and Assistant Control Operators are holders of Reactor Operator licenses.

⁴Includes fire protection.

FIGURE 5.2-2 SAN ONOFRE NUCLEAR GENERATING STATION (UNIT 1) ORGANIZATION

5.3.1 Onsite Review Committee (OSRC)

FUNCTION

5.3.1.1 The Onsite Review Committee shall function to advise the Station Manager on all matters related to environmental impact of the station and its operation.

COMPOSITION

5.3.1.2 The Onsite Review Committee shall be composed of the:

Chairman:	Station Manager
Member:	Deputy Station Manager
Member:	Manager, Operations
Member:	Manager, Technical
Member:	Plant Superintendent SONGS 1
Member:	Supervisor of I&C
Member:	Manager, Health Physics
Member:	Supervisor of Chemistry
Member:	Manager, Maintenance
Member:	Supervising Engineer (NSSS, NSSS Support, Computer, or STA)
Member:	San Diego Gas & Electric Representative, Senior Engineer ⁽¹⁾

ALTERNATES

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

MEETING FREQUENCY

5.3.1.4 The OSRC shall meet at least once per calendar month and as convened by the OSRC Chairman or his designated alternate.

QUORUM

5.3.1.5 The minimum quorum of the OSRC necessary for the performance of the OSRC responsibility and authority provisions of these Technical Specifications shall consist of the Chairman or his designated alternate and four members including alternates. For environmental matters, either the Manager, Health Physics or the Supervisor of Chemistry or the respective designated alternate(s) shall be present.

(1) BS degree in Engineering or Physical Science plus at least four years professional level experience in his field. At least one of the four years experience shall be nuclear power plant experience.

RESPONSIBILITIES

5.3.1.6 The Onsite Review Committee shall be responsible for:

- a. Investigation of all violations of the Technical Specifications including the preparation and forwarding of reports covering evaluation and recommendations to prevent recurrence to the Chairman of the Nuclear Audit and Review Committee (NARC).
- b. Review of events requiring 24-hour written notification to the Commission.
- c. Review of unit operations to detect potential environmental hazards.
- d. Performance of special reviews, investigations or analyses and reports thereon as requested by the Station Manager or the Chairman of the NARC.

AUTHORITY

5.3.1.7 The Onsite Review Committee (OSRC) shall:

- a. Render determinations in writing with regard to whether or not items considered under 5.3.1.6(a) above significantly alter the environmental impact of the facility.
- b. Provide written notification within 24 hours to the Manager of Nuclear Operations and the Chairman of the NARC of disagreement between the OSRC and the Station Manager; however, the Station Manager shall have responsibility for resolution of such disagreements.

RECORDS

5.3.1.8 The Onsite Review Committee shall maintain written minutes of each OSRC meeting that, at a minimum, document the results of all OSRC activities performed under the responsibility and authority provisions of these technical specifications. Copies shall be provided to the Chairman of the NARC.

TECHNICAL REVIEW AND CONTROL

ACTIVITIES

5.3.1.9 The Station Manager shall assure that each procedure and program required by Specification 5.5 and other procedures which relate to the environmental impact of the station and its operation, and changes thereto, is prepared by a qualified individual/organization. Each such procedure, and changes thereto, shall be reviewed by an individual/group other than the individual/group which prepared the procedure, or changes thereto, but who may be from the same organization as the individual/group which prepared the procedure, or changes thereto.

5.3.1.10 Proposed changes to the Appendix "B" Technical Specifications shall be prepared by a qualified individual/organization. The preparation of each proposed Technical Specification change shall be reviewed by an individual/group other than the individual/group which prepared the proposed change, but who may be from the same organization as the individual/group which prepared the proposed change. Proposed changes to the Technical Specifications shall be approved by the Station Manager.

5.3.1.11 Proposed modifications to the facility which relate to the environmental impact of the station and its operation shall be designed by a qualified individual/organization. Each such modification shall be reviewed by an individual/group other than the individual/group which designed the modification, but who may be from the same organization as the individual/group which designed the modification. Proposed modifications to the facility which relate to the environmental impact of the station and its operations shall be approved prior to implementation by the Station Manager; or by the Manager, Technical as previously designated by the Station Manager.

5.3.1.12 Individuals responsible for reviews performed in accordance with 5.3.1.9, 5.3.1.10 and 5.3.1.11 shall be members of the station supervisory staff, previously designated by the Station Manager to perform such reviews. Each such review shall include a determination of whether or not additional, cross-disciplinary, review is necessary and a verification that the proposed actions will not significantly alter the environmental impact of the facility. If deemed necessary, such review shall be performed by the appropriate designated review personnel.

5.3.1.13 Proposed tests and experiments which relate to the environmental impact of the station and its operation and are not addressed in the FSAR or Technical Specifications shall be reviewed by the Station Manager; the Manager, Technical; the Manager, Operations; the Manager, Maintenance; the Deputy Station Manager, or the Manager, Health Physics as previously designated by the Station Manager.

5.3.1.14 The Station Manager shall assure the performance of a review by a qualified individual/organization of every uncontrolled or unplanned release of radioactivity or chemicals to the environs including the preparation and forwarding of reports covering evaluation, recommendations and disposition of the corrective action to prevent recurrence to the Manager of Nuclear Operations and to the Chairman of the NARC.

5.3.1.15 Reports documenting each of the activities performed under Specifications 5.3.1.9 through 5.3.1.14 shall be maintained. Copies shall be provided to the Manager of Nuclear Operations and the Chairman of the NARC."