

ADMINISTRATIVE CONTROLS

6.4 TRAINING

6.4.1 A retraining and replacement training program for the unit staff shall be maintained under the direction of the Operations and Engineering Superintendent 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 and the supplemental requirements specified in Section A and C of Enclosure 1 of the March 28, 1980 NRC letter to all licensees, and shall include familiarization with relevant industry operational experience identified by the ISEG.

6.5 REVIEW AND AUDIT

6.5.0 The Manager, ~~of the Office of Nuclear Power~~ *and Engineering (Nuclear)* is responsible for the safe operation of all TVA nuclear power plants. The functional organization for review and audit cognizance is shown on Figure 6.2-1.

6.5.1 PLANT OPERATIONS REVIEW COMMITTEE (PORC)

FUNCTION

6.5.1.1 The PORC shall function to advise the Plant Manager matters related to nuclear safety.

COMPOSITION

6.5.1.2 The PORC shall be composed of the:

Chairman:	Plant Manager
Member:	Operations Supervisor or Assistant Operations Supvr.
Member:	Engineering Group Supervisor or Engr. Section Supvr.
Member:	Maintenance Supervisor
Member:	Operations/Engineering Superintendent or Maintenance Superintendent
Member:	Health Physicist
Member:	Supervisor Quality Assurance

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ADMINISTRATIVE CONTROLS

ALTERNATES

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

MEETING FREQUENCY

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

QUORUM

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

RESPONSIBILITIES

6.5.1.6 The PORC shall be responsible for:

- a. Review of 1) all procedures required by Specification 6.8.1 and changes thereto, 2) all programs required by Specification 6.8.5, and changes thereto, 3) any other proposed procedures or changes thereto as determined by the Plant Manager to affect nuclear safety.
- b. Review of all proposed tests and experiments that affect nuclear safety.
- c. Review of all proposed changes to Appendix "A" Technical Specifications.
- d. Review of all proposed changes or modifications to unit systems or equipment that affect nuclear safety.
- e. Investigation of all violations of the Technical Specifications including the preparation and forwarding of reports covering evaluation and recommendations to prevent recurrence to the Site Director and to the ~~Chief of the Nuclear Safety Staff~~.
Review Board
- f. Review all written reports requiring notification to the Commission.
- g. Review of unit operations to detect potential nuclear safety hazards.

ADMINISTRATIVE CONTROLS

- h. Performance of special reviews, investigations or analyses and reports thereon as requested by the Plant Manager or the ~~Chief, Nuclear Safety Staff~~ *Review Board*
- i. Review of the Plant Physical Security Plan and implementing procedures and shall submit recommended changes to the ~~Chief, Nuclear Safety Staff~~ *Review Board*
- j. Review of the Site Radiological Emergency Plan and implementing procedures and shall submit recommended changes to the ~~Chief, Nuclear Safety Staff~~ *Review Board*
- k. Review of every unplanned onsite release of radioactive material to the environs including the preparation and forwarding of reports covering evaluation, recommendations and disposition of the corrective action to prevent recurrence to the ~~Site Director, Nuclear Power Division~~ *Review Board* and to the ~~Chief, Nuclear Safety Staff~~
- l. Review of changes to the radwaste treatment systems.
- m. Review of meeting minutes of the Radiological Assessment Review Committee (RARC).

AUTHORITY

6.5.1.7 The PORC shall:

- a. Recommend in writing to the Plant 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 Site Director and the ~~Chief, Nuclear Safety Staff~~ *Review Board* of disagreement between the PORC and the Plant Manager; however, the Plant Manager shall have responsibility for resolution of such disagreements pursuant to 6.1.1 above.

RECORDS

6.5.1.8 The PORC shall maintain written minutes of each PORC meeting that, at a minimum, document the results of all PORC activities performed under the responsibility and authority provisions of these technical specifications. Copies shall be provided to the Plant Manager and to the ~~Chief, Nuclear Safety Staff~~ *Review Board*

5.5.2 NUCLEAR SAFETY ~~STAFF (NSS)~~ *REVIEW BOARD*

(NSRB)

FUNCTION

6.5.2.1 The ~~NSS~~ *NSRB* shall function to provide independent review and audit cognizance of designated activities in the areas of:

ADMINISTRATIVE CONTROLS

- 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 NSRB shall be composed of at least five members, including the Chairman. Members of the NSRB may be from ~~the Office of Power~~, or other TVA organization or external to TVA. *Power and Engineering (Nuclear)*

QUALIFICATIONS

6.5.2.3 The Chairman, members, and alternate *and Engineering (Nuclear)* members of the NSRB shall be appointed in writing by the Manager, ~~of Power~~ and shall have an academic degree in engineering or a physical science field, or the equivalent; and in addition, shall have a minimum of five years technical experience in one or more areas given in 6.5.2.1. No more than two alternates shall participate as voting members in NSRB activities at any one time.

CONSULTANTS

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

MEETING FREQUENCY

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

QUORUM

6.5.2.6 The minimum quorum of the NSRB necessary for the performance of the NSRB review and audit functions of these technical specifications shall consist of more than half the NSRB membership or at least 5 members, whichever is greater. This quorum shall include the Chairman or his appointed alternate and the NSRB members, including appointed alternate members, meeting the requirements of Specification 6.5.2.3. No more than a minority of the quorum shall have line responsibility for operation of the unit.

ADMINISTRATIVE CONTROLS

REVIEW

6.5.2.7 The NSRB shall review:

- a. The safety evaluations for 1) changes to procedures, equipment or systems and 2) tests or experiments completed under the provision of Section 50.59, 10 CFR, to verify that such actions did not constitute an unreviewed safety question.
- b. Proposed changes to procedures, equipment or systems which involve an unreviewed safety question as defined in Section 50.59, 10 CFR.
- c. Proposed tests or experiments which involve an unreviewed safety question as defined in Section 50.59, 10 CFR.
- d. Proposed changes to Technical Specifications or this Operating License.
- e. Violations of codes, regulations, orders, Technical Specifications, license requirements, or of internal procedures or instructions having nuclear safety significance.
- f. Significant operating abnormalities or deviations from normal and expected performance of unit equipment that affect nuclear safety.
- g. All written reports requiring notification to the Commission.
- h. All recognized indications of an unanticipated deficiency in some aspect of design or operation of structures, systems, or components that could affect nuclear safety.
- i. Reports and meetings minutes of the PORC and the RARC.

AUDITS

6.5.2.8 Audits of unit activities shall be performed under the cognizance of the NSRB. 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.

ADMINISTRATIVE CONTROLS

- e. The Site Radiological Emergency Plan and implementing procedures at least once per 12 months.
- f. The Plant Physical Security Plan, the Safeguards Contingency Plan, and implementing procedures at least once per 12 months.
- g. Any other area of unit operation considered appropriate by the NSRB or the Manager, ~~of Power~~ *Power and Engineering (Nuclear)*.
- 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 annually 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 an outside qualified fire consultant at intervals no greater than 3 years.
- k. The radiological environmental monitoring program and the results thereof at least once per 12 months.
- l. The OFFSITE DOSE CALCULATION MANUAL and implementing procedures at least once per 24 months.
- m. The PROCESS CONTROL PROGRAM and implementing procedures for SOLIDIFICATION of radioactive wastes at least once per 24 months.
- n. The performance of activities required by the Quality Assurance Program to meet the criteria of Regulatory Guide 4.15, December 1977 at least once per 12 months, *or Regulatory Guide 1.21 Rev. 1, 1974 and Regulatory Guide 4.1, Rev. 1, 1975,*

AUTHORITY

6.5.2.9 The NSRB shall report to and advise the Manager, ~~of Power~~ *and Engineering (Nuclear)* on those areas of responsibility specified in Sections 6.5.2.7 and 6.5.2.8.

RECORDS

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

- a. Minutes of each NSRB meeting shall be prepared, approved and forwarded to the Manager, ~~of Power~~ *and Engineering (Nuclear)* 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 Manager, ~~of Power~~ *and Engineering (Nuclear)* within 14 days following completion of the review.

ADMINISTRATIVE CONTROLS

- c. Audit reports encompassed by Section 6.5.2.8 above, shall be forwarded to the Manager, ~~of~~ Power and to the management positions responsible for the areas audited (within 30 days after completion of the audit.
and Engineering (Nuclear))

6.5.3 RADIOLOGICAL ASSESSMENT REVIEW COMMITTEE (RARC)

Function

6.5.3.1 The SQN RARC shall function to advise the Chief, Health Physics Services, and the Plant Manager on all matters related to radiological assessments involving dose calculations and projections and environmental monitoring.

Composition

6.5.3.2 The RARC shall be composed of the:

Chairman: Assessment Unit Supervisor, Health Physics Services
Member: Health Physicist, Gaseous, Health Physics Services
Member: Health Physicist, Liquid, Health Physics Services
Member: Meteorologist, Air Quality Branch
Member: Chemical Engineer, Engineering Section, SQN
Member: ~~Office of Nuclear~~ Power, Representative
and Engineering (Nuclear)

ALTERNATES

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

MEETING FREQUENCY

6.5.3.4 The SQN RARC shall meet at least once per six months or as requested by the SQN RARC Chairman or his/her designated alternate or a plant representative.

QUORUM

6.5.3.5 The minimum quorum of the SQN RARC necessary for the performance of the SQN RARC responsibility and authority provisions of these technical specifications shall consist of the Chairman or his designated alternate and 3 members (including alternates) as long as one is a plant representative.

RESPONSIBILITIES

6.5.3.6 The RARC shall be responsible for:

- Review of changes to the OFFSITE DOSE CALCULATION MANUAL.
- Review of all procedures required by Specification 6.8.4 and changes thereto.

- c. Review for information purposes results of any audits, review or evaluation of the Quality Assurance Program for effluent and environmental monitoring and radiological assessments involving dose evaluations and projections.
- d. Review of proposed changes to the technical specifications related to plant effluent radiological assessments involving dose calculations and projections and environmental radiological monitoring.

Authority

6.5.3.7 The RARC shall:

- a. Recommend in writing to the Chief, Health Physics Services and to PORC approval or disapproval of items considered under 6.5.3.6 above.
- b. Render determinations in writing with regard to whether or not each item considered under 6.5.3.6 constitutes an unreviewed safety question.
- c. Provide timely written notification to the Site Director, and the Nuclear Safety ~~Staff~~ ^{Review Board} of unresolvable items associated with a and b above between the RARC and the Chief, Health Physics Services; however, the Chief, Health Physics Services, in coordination with the Plant Manager, shall have the responsibility for resolution of any such disagreement pursuant to 6.1.2 above.

Records

6.5.3.8 The SQN RARC shall maintain written minutes of each RARC meeting that at a minimum, document the results of all RARC activities performed under the responsibility and authority provisions of these technical specifications. Copies shall be provided to the Site Director, PORC, and the ~~Chief, Nuclear Safety Staff~~ ^{Review Board}.

6.6 REPORTABLE EVENTS

6.6.1 The following actions shall be taken for REPORTABLE EVENTS:

- a. The Commission shall be notified and/or a report submitted pursuant to the requirements of Sections 50.72 and 50.73 to 10 CFR Part 50 and
- b. Each REPORTABLE EVENT shall be reviewed by the PORC and the report shall be submitted to the ~~Chief, NSS~~ ^{NSRB} and the Site Director.

6.7 SAFETY LIMIT VIOLATION

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

- a. The unit shall be placed in at least HOT STANDBY within one hour.
- b. The NRC Operations Center shall be notified by telephone as soon as possible and in all cases within one hour. The Site Director and the ~~Chief, NSS~~ ^{NSRB} shall be notified within 24 hours.

ADMINISTRATIVE CONTROLS

- c. A Safety Limit Violation Report shall be prepared. The report shall be reviewed by the PORC. 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 ~~Chief, NSS~~ ^{NSRB} and the Site Director within 14 days of the violation.

6.8 PROCEDURES AND PROGRAMS

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. Plant Physical Security Plan implementation.
- e. Site Radiological Emergency Plan implementation.
- f. Fire Protection Program implementation.
- g. PROCESS CONTROL PROGRAM implementation.
- h. Quality Assurance Program for effluent monitoring, using the guidance contained in Regulatory Guide 4.15, December 1977 or Regulatory Guide 1.21 Rev.1, 1974 and Regulatory Guide 4.1, Rev. 1, 1975.

6.8.2 Each procedure of 6.8.1 above, and changes thereto, shall be reviewed by the PORC and approved by the Plant Manager prior to implementation and 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 by the PORC and approved by the Plant Manager within 14 days of implementation.

6.8.4 Written procedures shall be established, implemented and maintained by the Health Physics Services covering the activities below:

- a. OFFSITE DOSE CALCULATIONAL MANUAL implementation.

ADMINISTRATIVE CONTROLS

6.10.2 The following records shall be retained for the duration of the Unit Operating License:

- a. Records and drawing changes reflecting unit design modifications made to systems and equipment described in the Final Safety Analysis Report.
- b. Records of new and irradiated fuel inventory, fuel transfers and assembly burnup histories.
- c. Records of radiation exposure for all individuals entering radiation control areas.
- d. Records of gaseous and liquid radioactive material released to the environs.
- e. Records of transient or operational cycles for those unit components identified in Table 5.7-1.
- f. Records of reactor tests and experiments.
- g. Records of training and qualification for current members of the unit staff.
- h. Records of in-service inspections performed pursuant to these Technical Specifications.
- i. Records of Quality Assurance activities required by the Operational Quality Assurance Manual.
- j. Records of reviews performed for changes made to procedures or equipment or reviews of tests and experiments pursuant to 10 CFR 50.59.
- k. Records of meetings of the PORC, RARC, and the ^{NSRB}~~NSR~~ reports of the results of review and of cognizance of audits.
- l. Records of analyses required by the radiological environmental monitoring program.
- m. Records of secondary water sampling and water quality.
- n. Records of the service life monitoring of all hydraulic and mechanical snubbers listed on Tables 3.7-4a and 3.7-4b, including the maintenance performed to renew the service life.
- o. Records for Environmental Qualification which are covered under the provisions of Paragraph 2.c.(12)(6) of License No. DPR-77.

6.11 RADIATION PROTECTION PROGRAM

Procedures for personnel radiation protection shall be prepared consistent with the requirements of 10 CFR Part 20 and shall be approved, maintained and adhered to for all operations involving personnel radiation exposure.

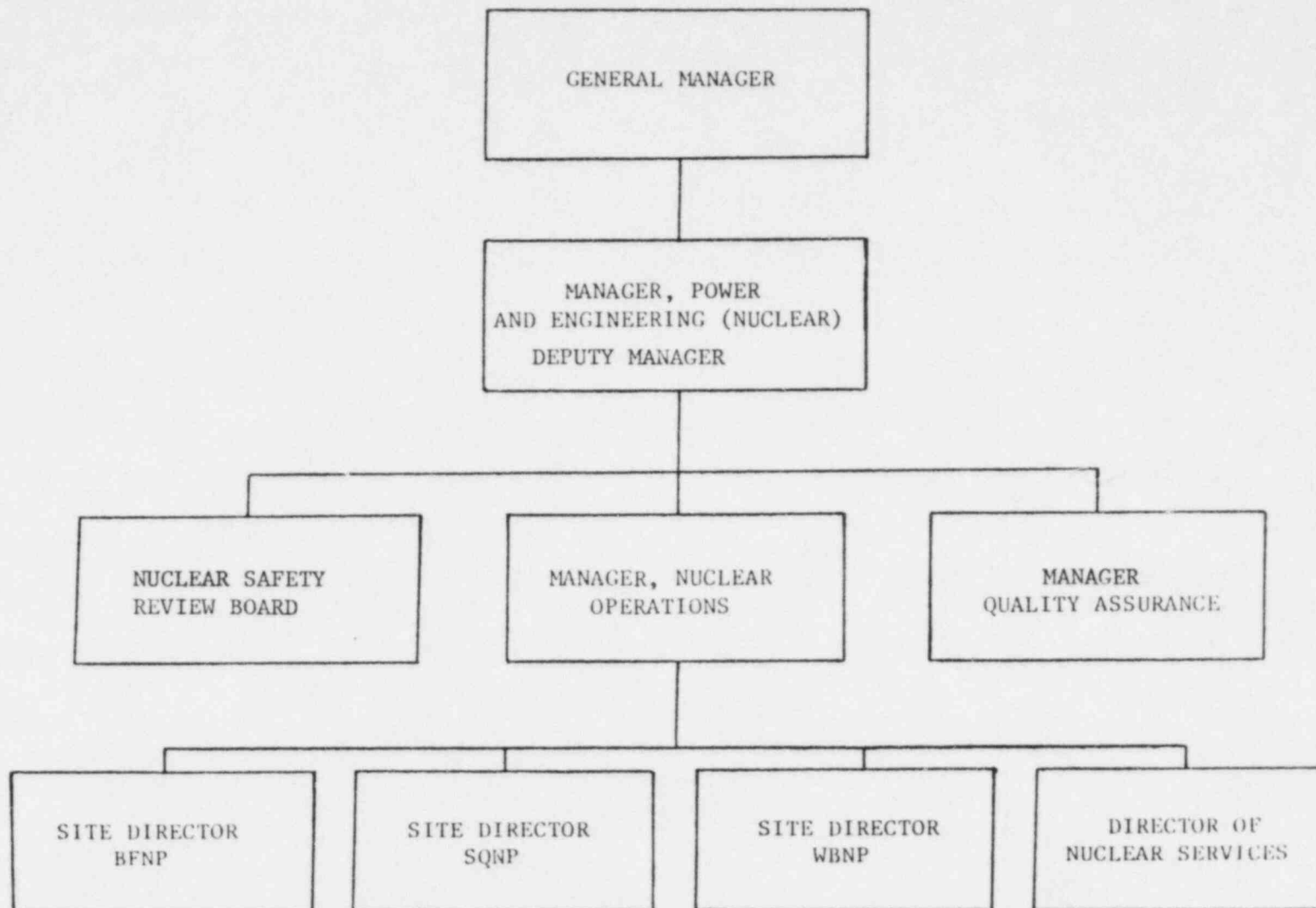


FIGURE 6.2-1

OFFSITE ORGANIZATION FOR FACILITY MANAGEMENT AND TECHNICAL SUPPORT

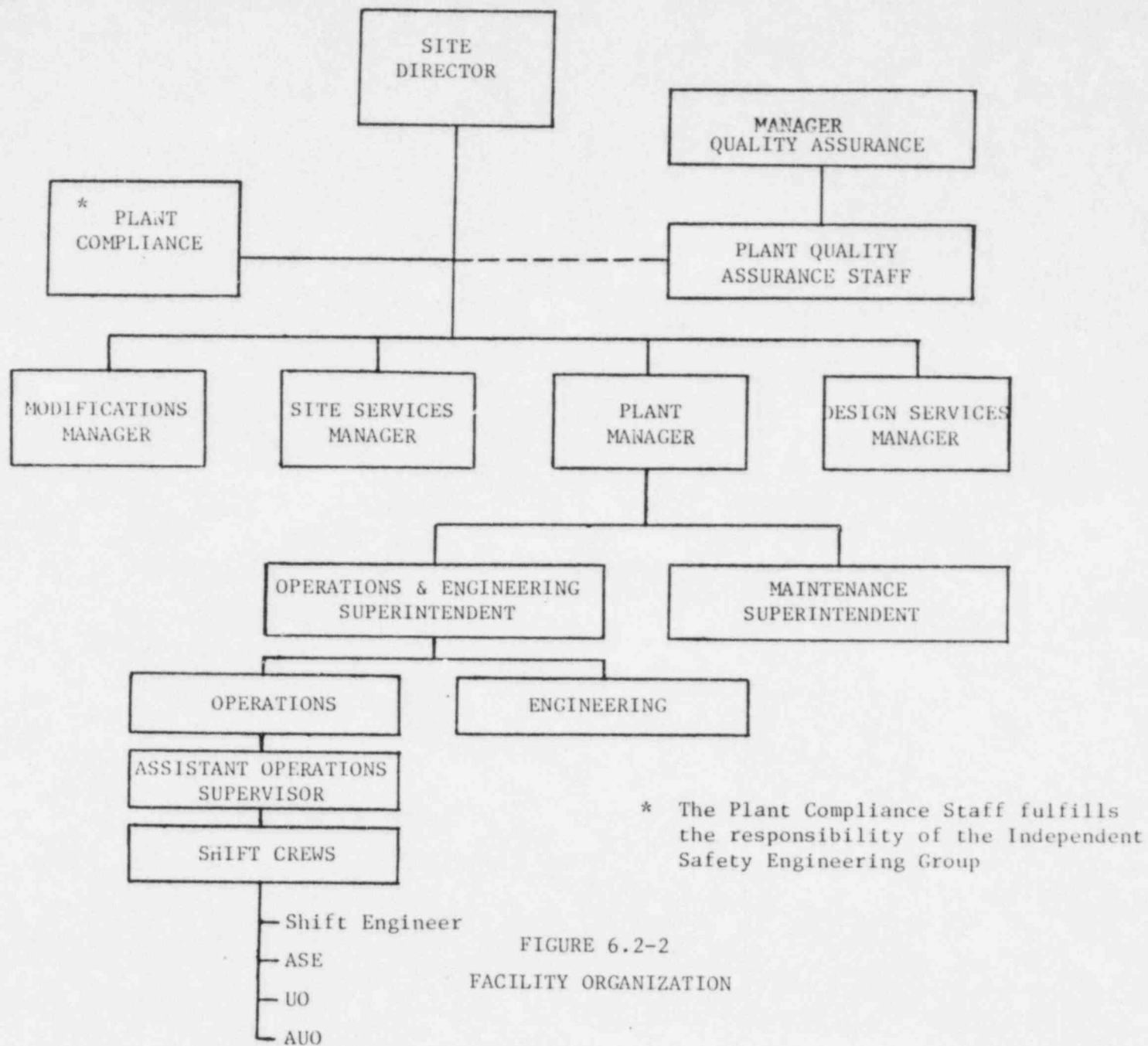


FIGURE 6.2-2
FACILITY ORGANIZATION

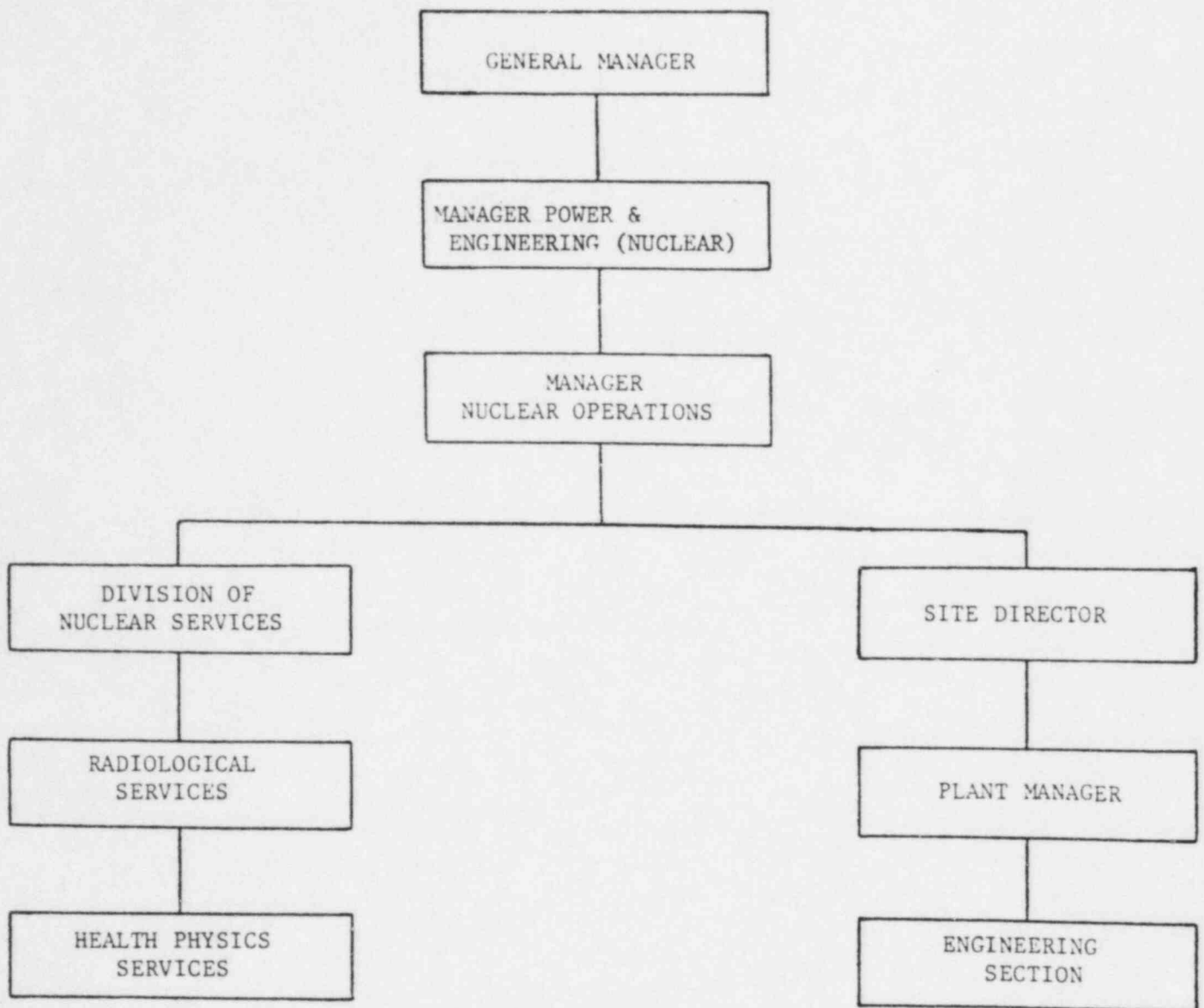


FIGURE 6.2-3
ORGANIZATION FOR MONITORING PROGRAM AND DOSE CALCULATIONS

ADMINISTRATIVE CONTROLS

6.4 TRAINING

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6.5 REVIEW AND AUDIT

6.5.0 The Manager, ~~of the Office of Nuclear Power~~ ^{and Engineering (Nuclear)} is responsible for the safe operation of all TVA nuclear power plants. The functional organization for review and audit cognizance is shown on Figure 6.2-1.

6.5.1 PLANT OPERATIONS REVIEW COMMITTEE (PORC)

FUNCTION

6.5.1.1 The PORC shall function to advise the Plant Manager matters related to nuclear safety.

COMPOSITION

6.5.1.2 The PORC shall be composed of the:

Chairman:	Plant Manager
Member:	Operations Supervisor or Assistant Operations Supvr.
Member:	Engineering Group Supervisor or Engr. Section Supvr.
Member:	Maintenance Supervisor
Member:	Operations/Engineering Superintendent or Maintenance Superintendent
Member:	Health Physicist
Member:	Supervisor Quality Assurance

ADMINISTRATIVE CONTROLS

ALTERNATES

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

MEETING FREQUENCY

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

QUORUM

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

RESPONSIBILITIES

6.5.1.6 The PORC shall be responsible for:

- a. Review of 1) all procedures required by Specification 6.8.1 and changes thereto, 2) all programs required by Specification 6.8.5, and changes thereto, 3) any other proposed procedures or changes thereto as determined by the Plant Manager to affect nuclear safety.
- b. Review of all proposed tests and experiments that affect nuclear safety.
- c. Review of all proposed changes to Appendix "A" Technical Specifications.
- d. Review of all proposed changes or modifications to unit systems or equipment that affect nuclear safety.
- e. Investigation of all violations of the Technical Specifications including the preparation and forwarding of reports covering evaluation and recommendations to prevent recurrence to the Site Director and to the ~~Chief of the Nuclear Safety Staff~~ *Review Board*.
- f. Review all written reports requiring 24 hour notification to the Commission.
- g. Review of unit operations to detect potential nuclear safety hazards.

ADMINISTRATIVE CONTROLS

- h. Performance of special reviews, investigations or analyses and reports thereon as requested by the Plant Manager or the ~~Chief, Nuclear Safety Staff~~ *Review Board*.
- i. Review of the Plant Physical Security Plan and implementing procedures and shall submit recommended changes to the ~~Chief, Nuclear Safety Staff~~ *Review Board*.
- j. Review of the Site Radiological Emergency Plan and implementing procedures and shall submit recommended changes to the ~~Chief, Nuclear Safety Staff~~ *Review Board*.
- k. Review of every unplanned onsite release of radioactive material to the environs including the preparation and forwarding of reports covering evaluation, recommendations and disposition of the corrective action to prevent recurrence to the ~~Director, Nuclear Power Division~~ *Site* and to the ~~Chief, Nuclear Safety Staff~~ *Review Board*.
- l. Review of changes to the radwaste treatment systems.
- m. Review of meeting minutes of the Radiological Assessment Review Committee (RARC).

AUTHORITY

6.5.1.7 The PORC shall:

- a. Recommend in writing to the Plant 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.
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6.5.2 NUCLEAR SAFETY ~~Staff (NSS)~~ *REVIEW BOARD*

(NSRB)

FUNCTION

6.5.2.1 The ~~NSS~~ *NSRB* shall function to provide independent review of designated activities in the areas of:

ADMINISTRATIVE CONTROLS

- a. nuclear power plant operations
- b. nuclear engineering
- c. chemistry and radiochemistry
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- g. mechanical and electrical engineering
- h. quality assurance practices

COMPOSITION

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QUALIFICATIONS

6.5.2.3 The Chairman, members, and alternate *and Engineering (Nuclear)* members of the NSRB shall be appointed in writing by the Manager, ~~of Power~~ and shall have an academic degree in engineering or a physical science field, or the equivalent; and in addition, shall have a minimum of five years technical experience in one or more areas given in 6.5.2.1. No more than two alternates shall participate as voting members in NSRB activities at any one time.

CONSULTANTS

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

MEETING FREQUENCY

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QUORUM

6.5.2.6 The minimum quorum of the NSRB necessary for the performance of the NSRB review and audit functions of these technical specifications shall consist of more than half the NSRB membership or at least 5 members, whichever is greater. This quorum shall include the Chairman or his appointed alternate and the NSRB members, including appointed alternate members, meeting the requirements of Specification 6.5.2.3. No more than a minority of the quorum shall have line responsibility for operation of the unit.

ADMINISTRATIVE CONTROLS

REVIEW

6.5.2.7 The NSRB shall review:

- a. The safety evaluations for 1) changes to procedures, equipment or systems and 2) tests or experiments completed under the provision of Section 50.59, 10 CFR, to verify that such actions did not constitute an unreviewed safety question.
- b. Proposed changes to procedures, equipment or systems which involve an unreviewed safety question as defined in Section 50.59, 10 CFR.
- c. Proposed tests or experiments which involve an unreviewed safety question as defined in Section 50.59, 10 CFR.
- d. Proposed changes to Technical Specifications or this Operating License.
- e. Violations of codes, regulations, orders, Technical Specifications, license requirements, or of internal procedures or instructions having nuclear safety significance.
- f. Significant operating abnormalities or deviations from normal and expected performance of unit equipment that affect nuclear safety.
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- h. All recognized indications of an unanticipated deficiency in some aspect of design or operation of structures, systems, or components that could affect nuclear safety.
- i. Reports and meetings minutes of the PORC and the RARC.

AUDITS

6.5.2.8 Audits of unit activities shall be performed under the cognizance of the NSRB. 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.

ADMINISTRATIVE CONTROLS

- e. The Site Radiological Emergency Plan and implementing procedures at least once per 12 months.
- f. The Plant Physical Security Plan, the Safeguards Contingency Plan, and implementing procedures at least once per 12 months.
- g. Any other area of unit operation considered appropriate by the ~~NSS~~ or the Manager, ~~of Nuclear Power~~ *and Engineering (Nuclear)*, NSS
NSRB
- 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 annually 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 an outside qualified fire consultant at intervals no greater than 3 years.
- k. The radiological environmental monitoring program and the results thereof at least once per 12 months.
- l. The OFFSITE DOSE CALCULATION MANUAL and implementing procedures at least once per 24 months.
- m. The PROCESS CONTROL PROGRAM and implementing procedures for SOLIDIFICATION of radioactive wastes at least once per 24 months.
- n. The performance of activities required by the Quality Assurance Program to meet the criteria of Regulatory Guide 4.15, December 1977 or Regulatory Guide 1.21 Rev.1, 1974 and Regulatory Guide 4.1, Rev. 1, 1975, at least once per 12 months.

AUTHORITY

6.5.2.8 The ~~NSS~~ *NSRB* shall report to and advise the Manager, ~~of Nuclear Power~~ *and Engineering (Nuclear)*, Nucle.
areas of responsibility specified in Sections 6.5.2.6 and 6.5.2.7.

RECORDS

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

- a. Minutes of each NSRB meeting shall be prepared, approved and forwarded to the Manager, ~~of Power~~ *and Engineering (Nuclear)*, 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 Manager, ~~of Power~~ *and Engineering (Nuclear)*, within 14 days following completion of the review.

ADMINISTRATIVE CONTROLS

- c. Audit reports encompassed by Section 6.5.2.8 above, shall be forwarded to the Manager, ~~of Power~~ and to the management positions responsible for the areas audited within 30 days after completion of the audit.
and Engineering (Nuclear)

6.5.3 RADIOLOGICAL ASSESSMENT REVIEW COMMITTEE (RARC)

Function

6.5.3.1 The SQN RARC shall function to advise the Chief, Health Physics Services, and the Plant Manager on all matters related to radiological assessments involving dose calculations and projections and environmental monitoring.

Composition

6.5.3.2 The RARC shall be composed of the:

Chairman: Assessment Unit Supervisor, Health Physics Services
Member: Health Physicist, Gaseous, Health Physics Services
Member: Health Physicist, Liquid, Health Physics Services
Member: Meteorologist, Air Quality Branch
Member: Chemical Engineer, Engineering Section, SQN
Member: ~~Office of Nuclear Power~~ Representative

ALTERNATES

and Engineering (Nuclear)

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

MEETING FREQUENCY

6.5.3.4 The SQN RARC shall meet at least once per six months or as requested by the SQN RARC Chairman or his/her designated alternate or a plant representative.

QUORUM

6.5.3.5 The minimum quorum of the SQN RARC necessary for the performance of the SQN RARC responsibility and authority provisions of these technical specifications shall consist of the Chairman or his designated alternate and 3 members (including alternates) as long as one is a plant representative.

RESPONSIBILITIES

6.5.3.6 The RARC shall be responsible for:

- a. Review of changes to the OFFSITE DOSE CALCULATION MANUAL.
- b. Review of all procedures required by Specification 6.8.4 and changes thereto.

- c. Review for information purposes results of any audits, review or evaluation of the Quality Assurance Program for effluent and environmental monitoring and radiological assessments involving dose evaluations and projections.
- d. Review of proposed changes to the technical specifications related to plant effluent radiological assessments involving dose calculations and projections and environmental radiological monitoring.

Authority

6.5.3.7 The RARC shall:

- a. Recommend in writing to the Chief, Health Physics Services and to PORC approval or disapproval of items considered under 6.5.3.6 above.
- b. Render determinations in writing with regard to whether or not each item considered under 6.5.3.6 constitutes an unreviewed safety question.
- c. Provide ~~timely~~ ^{Review Board} written notification to the Site Director, and the Nuclear Safety ~~Staff~~ of unresolvable items associated with a and b above between the RARC and the Chief, Health Physics Services; however, the Chief, Health Physics Services, in coordination with the Plant Manager, shall have the responsibility for resolution of any such disagreement pursuant to 6.1.2 above.

Records

6.5.3.8 The SQN RARC shall maintain written minutes of each RARC meeting that at a minimum, document the results of all RARC activities performed under the responsibility and authority provisions of these technical specifications. Copies shall be provided to the Site Director, PORC, and the ~~Chief, Nuclear Safety Staff~~ ^{Review Board}.

6.6 REPORTABLE EVENTS

6.6.1 The following actions shall be taken for REPORTABLE EVENTS:

- a. The Commission shall be notified and/or a report submitted pursuant to the requirements of Sections 50.72 and 50.73 to 10 CFR Part 50 and
- b. Each REPORTABLE EVENT shall be reviewed by the PORC and the report shall be submitted to the ~~Chief, NSS~~ and the Site Director.

NSRB

6.7 SAFETY LIMIT VIOLATION

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

- a. The unit shall be placed in at least HOT STANDBY within one hour.
- b. The NRC Operations Center shall be notified by telephone as soon as possible and in all cases within one hour. The Site Director and the ~~Chief, NSS~~ shall be notified within 24 hours.

NSRB

ADMINISTRATIVE CONTROLS

- c. A Safety Limit Violation Report shall be prepared. The report shall be reviewed by the PORC. 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 ~~Chief, NSS~~ ^{NSAB} and the Site Director within 14 days of the violation.

6.8 PROCEDURES AND PROGRAMS

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. Plant Physical Security Plan implementation.
- e. Site Radiological Emergency Plan implementation.
- f. Fire Protection Program implementation.
- g. PROCESS CONTROL PROGRAM implementation.
- h. Quality Assurance Program for effluent monitoring, using the guidance contained in Regulatory Guide 4.15, December 1977 or Regulatory Guide 1.21 Rev.1, 1974 and Regulatory Guide 4.1, Rev. 1, 1975.

6.8.2 Each procedure of 6.8.1 above, and changes thereto, shall be reviewed by the PORC and approved by the Plant Manager prior to implementation and 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 by the PORC and approved by the Plant Manager within 14 days of implementation.

6.8.4 Written procedures shall be established, implemented and maintained by the Health Physics Services covering the activities below:

- a. OFFSITE DOSE CALCULATIONAL MANUAL implementation.

ADMINISTRATIVE CONTROLS

6.10.1 (continued)

- c. All REPORTABLE EVENTS submitted to the Commission.
- d. Records of surveillance activities, inspections and calibrations required by these Technical Specifications.
- e. Records of changes made to the procedures required by Specification 6.8.1 and 6.8.4.
- f. Records of radioactive shipments.
- g. Records of sealed source and fission detector leak tests and results.
- h. Records of annual physical inventory of all sealed source material of record.

6.10.2 The following records shall be retained for the duration of the Unit Operating License:

- a. Records and drawing changes reflecting unit design modifications made to systems and equipment described in the Final Safety Analysis Report.
- b. Records of new and irradiated fuel inventory, fuel transfers and assembly burnup histories.
- c. Records of radiation exposure for all individuals entering radiation control areas.
- d. Records of gaseous and liquid radioactive material released to the environs.
- e. Records of transient or operational cycles for those unit components identified in Table 5.7-1.
- f. Records of reactor tests and experiments.
- g. Records of training and qualification for current members of the unit staff.
- h. Records of in-service inspections performed pursuant to these Technical Specifications.
- i. Records of Quality Assurance activities required by the Operational Quality Assurance Manual.
- j. Records of reviews performed for changes made to procedures or equipment or reviews of tests and experiments pursuant to 10 CFR 50.59.
- k. Records of meetings of the PORC, RARC, and the ^{NSRB} ~~NES~~ reports of the results of reviews and of cognizance audits.
- l. Records of analyses required by the radiological environmental monitoring program.