

SOUTHERN CALIFORNIA EDISON COMPANY
TOPICAL REPORT SCE-1-A CHANGE NOTICE

Change Notice Number: 12

Affected Amendment: 7

Affected Pages: 17.1-1, 17.1-2, 17.1-3, 17.2-1, 17.2-2,
17.2-7, 17.2-8, 17.2-55

Description of Change:

- (a) Revise titles of management involved in material and information services and clarify responsibilities in these areas (Sections 17.1.1 and 17.2.1)
- (b) Correct responsibility for system/component classification (Section 17.2.19.2) to be consistent with Section 17.2.1.5

Reason for Change (including basis for concluding that the change satisfies the criteria of 10CFR50 Appendix B and the quality assurance program commitments previously accepted by the NRC):

This change reflects current organizational titles and responsibilities. The responsibilities of the affected organizations remain unchanged and continue to meet the requirements of 10CFR50, Appendix B.

Change does X does not reduce commitments previously accepted by the NRC.

Approvals:



Manager, Quality Assurance



Vice President

Date Submitted to NRC: June 28, 1985

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17.1 QUALITY ASSURANCE DURING THE DESIGN AND CONSTRUCTION PHASE

17.1.1 ORGANIZATION

17.1.1.1 SCOPE

This subsection describes the SCE organizational structure and responsibilities for the Quality Assurance Program for SCE nuclear generating stations during the design and construction phase in compliance with Regulatory Guide 1.28 (reference Table 17.1-1). It includes a description of the interfaces with other organizations which may be delegated the work of establishing and executing portions of the Quality Assurance Program. The methods used for maintaining responsibility for delegated quality assurance work are identified as well as the management measures that provide for independence of the SCE Quality Assurance Organization.

17.1.1.2 General Responsibilities

During the design and construction phase, the following departments within SCE are involved in quality-affecting activities:

<u>Departments</u>	<u>Responsibilities</u>	
Nuclear Engineering Safety and Licensing	Licensing, Nuclear Engineering, Nuclear Safety, Quality Assurance, Reporting of Defects and Noncompliance	' 7CN#7
Nuclear Generation Site	Training Program for Operators, Operating Procedure Development.	'
Material and Information Services	Procurement, Shipping, Handling, Storage and Warehousing of Material and Equipment (excluding Nuclear Fuel), Records Management	' 7CN#12
Fuel Supply	Procurement of Nuclear Fuel	'
Advanced Engineering	Collection of Meteorolo- gical Data.	' 7CN#7
Engineering & Construction	Design and Construction Management, and Pre- requisite Test Program Management	'

17.1.1.2 (continued)

The ultimate responsibility for design, procurement, construction testing, quality assurance, fuel supply, and operations rests with the SCE Chairman of the Board. He assigns project responsibilities to the various SCE organizations involved in nuclear generating station development and operations.

The President's responsibilities include Material and Information Services

The Executive Vice President reports to the Chairman of the Board and is responsible for Nuclear Engineering, Safety and Licensing, Nuclear Generation Site, Engineering and Construction, and Advanced Engineering.

The Senior Vice President reports to the Executive Vice President and is responsible for Power Supply, Nuclear Generation Site, and Nuclear Engineering, Safety and Licensing.

The Vice President, Nuclear Engineering, Safety and Licensing, reporting to the Senior Vice President, has been delegated the responsibility for establishment and assurance of implementation of the SCE Quality Assurance Program in compliance with 10CFR50, Appendix B, and other applicable regulations and standards. He is authorized to request the cooperation of all officers and management personnel of this program.

SCE corporate management is involved with quality assurance matters on a continuous basis by means of regular Officer's Council meetings. Quality Assurance Organization weekly progress reports are prepared for the Vice President, Nuclear Engineering, Safety and Licensing, and are used, as appropriate, for discussion items at these meetings. These reports usually contain significant progress items, corrective action recommendations, and unresolved items. In addition, a quarterly report of information suitable for assessment of the status and adequacy of the SCE Quality Assurance Program is submitted to senior management by the Manager, Quality Assurance.

17.1.1.3 Engineering and Construction Department

The Vice President, Engineering and Construction, has responsibility for the design and construction of nuclear generating stations. The Engineering and Construction Department is responsible for engineering, construction, and Construction and Prerequisite Test program management. Engineering responsibilities include design and drafting services, and supporting the project in the various technical disciplines. Construction responsibilities include technical and administrative direction over project construction personnel, construction management, and Construction and Prerequisite Testing.

17.1.1.4 Material and Information Services

The Vice President in charge of Material and Information Services reports to the President and is responsible for material management and records management.

The Manager of the Administrative Services reports directly to the Vice President, Material and Information Services and is responsible for the corporate records management program. Corporate Documentation Services operates the Corporate Documentation Management (CDM) Centers which are responsible for processing, controlling, retrieving, distributing and storage of nuclear project documentation.

7CN#12

The Manager of Procurement and Material Management reports directly to the Vice President, Material and Information Services and is responsible for procurement of items and services (excluding nuclear fuel), material shipping, handling, storage and warehousing and for preparation, negotiation, and administration of procurement contracts.

17.1.1.5 Nuclear Engineering, Safety and Licensing Department

The Nuclear Engineering, Safety, and Licensing Department, under the Vice President, Nuclear Engineering, Safety, and Licensing has overall responsibility for nuclear engineering, safety, and licensing activities associated with nuclear generating facilities. Activities include conceptual engineering, nuclear systems analyses, engineering criteria and technical assistance pertaining to radiation protection programs, safety evaluations, emergency planning and regulatory interface with the Nuclear Regulatory Commission. The Vice President, Nuclear Engineering, Safety, and Licensing reports directly to the Senior Vice President.

7CN#7

7CN#11

The Vice President, Nuclear Engineering, Safety and Licensing, is responsible for establishment and assurance of implementation of SCE Quality Assurance Program in compliance with applicable regulations, codes, and standards, including those listed on Table 17.1-1. He is responsible for establishing quality assurance policies, goals, and objectives and for assuring that these policies are followed and the goals and objectives are achieved.

7CN#7

The Vice President, Nuclear Engineering, Safety and Licensing, is responsible for apprising the Management on the effectiveness of the Quality Assurance Program. The Vice President, Nuclear Engineering, Safety and Licensing is involved in the disposition of nonconformances of unusual complexity, and acts upon trending studies that indicate quality problems of a possible generic nature submitted to him by the Manager, Quality Assurance.

17.2 QUALITY ASSURANCE DURING THE OPERATIONS PHASE

17.2.1 ORGANIZATION

17.2.1.1 SCOPE

This subsection describes the SCE organizational structure and responsibilities for establishing and executing the Quality Assurance Program for SCE operational nuclear generating stations, in compliance with Regulatory Guides 1.8, 1.28 and 1.33 (reference Table 17.2-1). It includes a description of the interfaces with other organizations who may be delegated the work of establishing and executing portions of the Quality Assurance Program. The methods used for maintaining responsibility for delegated portions of the Quality Assurance Program are identified as well as the management measures that provide the independence of the SCE Quality Assurance Organization.

17.2.1.2 General Responsibilities

During the operational phase, the following departments within SCE are involved in quality-affecting activities:

<u>Departments</u>	<u>Responsibilities</u>
Nuclear Engineering, Safety and Licensing	Licensing, Nuclear Engineering, Nuclear Safety, Radiological Environmental Monitoring, Corporate Emergency Planning, Quality Assurance, Reporting of Defects and Noncompliances
Nuclear Generation Site	Station Operation, Maintenance, Refueling, Testing, In-Service Inspection and Station Safety, ECP Project Management
Material and Information Services	Procurement, Shipping, Handling, Storage and Warehousing of Material and Equipment (excluding Nuclear Fuel), Records Management
Engineering & Construction	Design and Construction, Pre-operational and Start-up Testing
Fuel Supply	Procurement of Nuclear Fuel and Spent Fuel Shipping Services, Special Nuclear Material Accountability
Advanced Engineering	Collection of Meteorological Data and Environmental Monitoring Support

17.2.1.2 (continued)

Power Supply

Maintenance and Technical Support
and Equipment Repair and Calibration '7CN#7

The SCE organizational structure of departments involved with implementing the SCE Quality Assurance Program during the operational phase as well as departmental interfaces is presented on Figure 17.2.1.

In addition to the departmental responsibilities listed, Technical Specifications for operating nuclear generating stations describe the Safety-Related functions of the On-Site Review Committee (OSRC), Nuclear Safety Group (NSG), and Independent Safety Engineering Group (ISEG), a summary of these responsibilities is as follows:

<u>Committee/Board/Group</u>	<u>Responsibility</u>	
OSRC	Advise the Station Manager on all matters related to safety.	'4
NSG	Provide independent review and audit of designated activities in the area of safety.	'5
ISEG	Provide onsite independent review of station activities and feedback of operating experience.	'4 '5

The organizational structure, administrative requirements, responsibilities and authorities specific to each committee group is described in the Technical Specification for the applicable station and in internal documentation forming the committee/group charter.

The ultimate responsibility for operating, maintaining, repairing, inspecting, testing, refueling, and modifying operational nuclear generating stations rests with the Chairman of the Board. He assigns responsibilities to the various SCE organizations involved in nuclear generating station operations.

The President's responsibilities include Material and Information Services. '7CN#12

The Executive Vice President reports to the Chairman of the Board and is responsible for Nuclear Engineering Safety and Licensing, Nuclear Generation Site, Engineering and Construction, Power Supply, and Advanced Engineering. '7CN#7

The Senior Vice President reports to the Executive Vice President and is responsible for Power Supply, Nuclear Engineering, Safety and Licensing and Nuclear Generation Site. '7CN#11

17.2.19.2 (continued)

safety-related items are satisfied. The fire protection systems and components that are included in fire protection program shall be identified by SCE Nuclear Engineering for planning of Quality Assurance Program activities.

7CN#12

Activities affecting the fire protection program shall be controlled by written procedures, prepared by participating organizations, that delineate the responsibilities and required actions for implementation of these activities. Measures shall be established within these procedures for special control over the use and storage of combustible materials and for the controlled application of processes involving ignition sources (i.e., welding, flame cutting).

Training and indoctrination of Station personnel in Quality Assurance Program requirements shall be provided in accordance with subsection 17.2.2. Training and indoctrination of construction personnel will be provided by the Project Construction Superintendent for fire protection during construction and startup activities for ECP's. This training shall include familiarization with (1) the location, use and application of fire fighting equipment, (2) planned actions and responsibilities of fire brigade team members and interfaces with offsite fire fighting agencies, and (3) maintenance and inspection requirements for fire protection systems. Similar training will be conducted by contractors during construction and startup activities for ECP's.

Management shall regularly review the quality assurance program status.

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17.2.19.3 Design Control

For modifications to existing equipment, as far as practicable, and for ECP's, design control measures shall be provided consistent with the provisions of subsection 17.2.3 and this paragraph. These measures will provide a defense-in-depth to assure that design provisions are developed and reviewed to prevent or mitigate consequences of a postulated fire as it may affect the performance of safety-related items.

Design formulation and development will be guided by the establishment, during the design phase, of a fire hazard evaluation. The purpose of this evaluation shall be to provide a high level of confidence that no single credible fire could result in an unacceptable consequence by providing fire protection features and systems to maintain safety-related