

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

Change Notice Number: 14

Affected Amendment: 8

Affected Pages: 17.1-1, 17.1-3, 17.1-5, 17.1-35, 17.2-1, 17.2-3, 17.2-4,
17.2-7, 17.2-8, 17.2-40 (partially modifies Change
Notice 13)

Description of Change:

- (1) Transfer site handling, storage and warehousing responsibilities from Material and Information Services Department to Nuclear Generation Site Department
- (2) Provide consistency between Sections 17.2.1.2 and 17.2.1.3 regarding responsibilities of Nuclear Generation Site Department

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):

- (1) Changes only transfer responsibilities from one Department to another and do not change the functions performed within the scope of the quality assurance program.
- (2) Changes restate responsibilities and provide consistency without changes in program responsibilities.

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

Approvals:



Manager of Quality Assurance



Vice President

Date Submitted to NRC: 4/7/86

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17.1 QUALITY ASSURANCE DURING THE DESIGN AND CONSTRUCTION PHASE '7

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: '6

<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, Handling, Storage and Warehousing of Material and Equipment.	
Material and Information Services	Procurement and Shipping of Material and Equipment (excluding Nuclear Fuel), Records Management	'8CN#14
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	

17.1.1.4 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.

8CN#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, and for preparation, negotiation, and administration of procurement contracts.

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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, licensing and quality assurance activities associated with nuclear generating facilities. The Vice President, Nuclear Engineering, Safety, and Licensing reports directly to the Senior Vice President. 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.

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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.

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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 of Quality Assurance.

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17.1.1.6 (continued)

The Station Manager, reports directly to the Vice President, Nuclear Generation Site. The Nuclear Generation Site Organizations manage the operation, maintenance and technical service activities at nuclear generating facilities. They also are responsible for providing trained station operators; operating procedures and instructions; and handling, storage and warehousing of items. '7CN#7
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17.1.1.7 Engineering and Construction Project (ECP) Management

Project Managers are assigned for each Engineering and Construction Project (ECP) from the Nuclear Generation Site Department. Project Managers are responsible for the technical, schedule, economic and quality assurance aspects of nuclear projects. Project direction is maintained through key project personnel who support the Project Manager. Administrative Authority and Technical Direction are provided from the specific engineering, construction or procurement organization from which these people are assigned. '7
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17.1.1.8 Fuel Supply Department

The Vice President, Fuel Supply, is responsible for procurement of Nuclear Fuel for nuclear generating stations. '2
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17.1.1.9 Advanced Engineering Department

The Advanced Engineering Department, under the direction of the Vice President, Advanced Engineering, is responsible for collection of meteorological data and research and development. '7CN#7
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The Director of Research and Development reports directly to the Vice President, Advanced Engineering, and has the responsibility for the collection of meteorological data during the construction and preoperational phases. '2
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17.1.1.10 Delegated Quality Assurance Work

SCE retains responsibility for the Quality Assurance Program describe herein but may delegate quality assurance work to other organizations. Other organizations which may be delegated the work of establishing and executing portions of the Quality Assurance Program during the design and construction phase are as follows:

Architect-Engineer (A-E).

Nuclear Steam Supply System (NSSS) Supplier.

Other SCE Contractors and Consultants.

17.1.13 HANDLING, STORAGE, AND SHIPPING

17.1.13.1 Scope

This subsection describes the measures utilized by SCE to control handling, storage, shipping, packaging, preservation, and cleaning activities in compliance with Regulatory Guide 1.38 (reference Table 17.1-1).

17.1.13.2 Handling, Storage, and Shipping

The SCE Engineering and Construction Department and Nuclear Generation Site Department are responsible for implementation of handling, packaging, preservation, storage and cleaning requirements for items delivered to a jobsite and for identifying shipping requirements to be implemented by the Material and Information Services Department. The work associated with these activities may be delegated to A-E's, and NSSS Suppliers; however, in all cases, the work is performed in accordance with written approved procedures by individuals qualified to perform these activities.

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Special instructions, procedures, or drawings necessary to define handling, storage, shipping, packaging, preservation, and cleaning methods and requirements are prepared in accordance with design and specification requirements by SCE, A-E's, and NSSS Suppliers, as appropriate. These procedures are reviewed and approved by the originator's quality assurance organization. A-E's and NSSS Suppliers' procedures are subject to review by SCE. The SCE Quality Assurance Organization conducts periodic audits of these organizations to assure proper implementation of these procedures.

SCE, A-E's, and NSSS Suppliers, as delegated, define handling, storage, shipping, packaging, preservation, and cleaning requirements to suppliers in procurement specifications. Compliance with these requirements is verified by means of periodic audits conducted by their respective quality assurance organizations.

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. ' 4

17.2.1.2 General Responsibilities

During the operational phase, the following departments within SCE are involved in quality-affecting activities: ' 6

<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	' 7
Nuclear Generation Site	Station Operation, Maintenance, Refueling, Testing, In-Service Inspection and Station Safety, Handling, Storage and Warehousing of Material and Equipment, ECP Project Management	'
Material and Information Services	Procurement and Shipping, of Material and Equipment (excluding Nuclear Fuel), Records Management	' 8CN#14
Engineering & Construction	Design and Construction, Pre-operational and Start-up Testing	' 7
Fuel Supply	Procurement of Nuclear Fuel and Spent Fuel Shipping Services, Special Nuclear Material Accountability	' 6
Advanced Engineering	Collection of Meteorological Data and Environmental Monitoring Support	' 7CN#7

17.2.1.1 (continued)

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 in support of this program.

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'7CN#7

SCE corporate management is involved with quality assurance matters on continuing basis by means of regular Officer 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.

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The Nuclear Control Boards (NCB), which includes corporate officers and upper management personnel, are additional means by which SCE corporate management is involved with quality assurance matters. As a member of the NCBs, the Vice President, Nuclear Engineering, Safety and Licensing, apprises these boards of significant quality assurance matters related to station operations and modifications.

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17.2.1.3 Nuclear Generation Site Department

The Nuclear Generation Site Department, under the Vice President, Nuclear Generation Site, is responsible for operation of nuclear powered generating facilities.

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The Vice President, Nuclear Generation Site is responsible for the safe and reliable operation, maintenance, testing, refueling, and In-service Inspection of his assigned station.

The Vice President, Nuclear Generation Site is responsible for the routine administration and implementation of the Quality Assurance Program at the station, including the following station organization functions, where appropriate:

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- o Review and approval of Design Disclosure Documents for station modifications.
- o Review and approval of Procurement Documents.
- o Review and approval of administrative and technical procedures.
- o Handling, Storage and Warehousing of Material and Equipment
- o Operation and Maintenance of plant systems and equipment

17.2.1.3 (continued)

- o Conducting Performance Tests and In-Service Inspections and Evaluations.
- o Refueling
- o Review of station operations and surveillance requirements of the Technical Specifications.
- o Safety
- o Security
- o Training and examination of station personnel.

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17.2.1.4 Engineering and Construction Project (ECP) Management

Project Managers are assigned from the Nuclear Generation Site Department to manage design initial construction including Preoperational and Start-up Test Program management and for ECP implementation. Project Managers have overall responsibility for their assigned projects, which includes technical, schedule, economic and quality aspects.

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17.2.1.5 Nuclear Engineering, Safety and Licensing Department

The Nuclear Engineering, Safety and Licensing Department, under the Vice President, Nuclear Engineering, Safety and Licensing is responsible for nuclear engineering, safety and licensing and corporate emergency preparedness.

The Vice President, Nuclear Engineering, Safety and Licensing reports to the Senior Vice President and is responsible for establishment and assurance of implementation of the SCE Quality Assurance Program in compliance with applicable regulations, codes, and standards, including those listed in Table 17.2-1. 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.

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The Vice President, Nuclear Engineering, Safety and Licensing, is responsible for apprising the Management of the effectiveness of the Quality Assurance Program. He 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 of Quality Assurance.

The Vice President, Nuclear Engineering, Safety and Licensing, through the Manager of Quality Assurance, exercises the Administrative Authority for the Quality Assurance Organization. Direction for implementing the Quality Assurance Program is provided to individuals and groups by the Vice President, Nuclear Engineering, Safety and Licensing, through the Manager of Quality Assurance.

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17.2.1.7 Fuel Supply Department

The Fuel Supply Department, under the direction of the Vice President, Fuel Supply, is responsible for procurement of Nuclear Fuel and of spent fuel shipping services and for special nuclear material accountability for nuclear generating stations.

17.2.1.8 Engineering and Construction Department

The Engineering and Construction Department under the direction of the Vice President, Engineering and Construction, is responsible for engineering and initial plant construction including Preoperational and Start-up testing as well as engineering, construction and start-up testing associated with ECP development. Engineering responsibilities include design and drafting services, and supporting the projects in the various technical disciplines. Construction responsibilities include technical and administrative direction over project construction personnel and construction management, and Preoperational and Start-up testing.

17.2.1.9 Material and Information Services

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

The Manager of 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.

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, and for preparation, negotiations, and administration of procurement contracts.

17.2.1.10 Advanced Engineering Department

The Advanced Engineering Department, under the direction of the Vice President, Advanced Engineering, is responsible for collection of meteorological data, environmental monitoring support, environmental reviews and research and development.

17.2.13 HANDLING, STORAGE, AND SHIPPING

17.2.13.1 Scope

This subsection describes the measures utilized by SCE to control handling, storage, shipping, packaging, preservation, and cleaning activities in compliance with Regulatory Guide 1.38 (reference Table 17.2.1).

17.2.13.2 Handling, Storage, and Shipping

Cognizant Station Supervisors are responsible for defining handling, storage, shipping, packaging, preservation, and cleaning requirements for items delivered to the station. These requirements are implemented at the Station by warehouse personnel for as long as the items are in storage at the warehouse and by the cognizant Station personnel when the items have been issued for installation. The Quality Assurance Organization verifies, by means of periodic audits, that these activities are performed in compliance with applicable procedures.

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17.2.13.2.1 Engineering Construction Projects (ECP's)

The SCE Project Engineer is responsible for defining, handling, storage, packaging, shipping, preservation, and cleaning requirements for items delivered to a station for ECP's. These requirements are implemented at the Station by Material Services warehouse personnel for as long as the items are in storage at the warehouse and by cognizant Construction/Retrofit Work Organization personnel when the items have been issued for installation. The work associated with these activities may be delegated to A-E's or contractors; however, in all cases, the work is performed in accordance with approved written procedures by individuals qualified to perform these activities.

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Special instructions, procedures, or drawings necessary to define handling, storage, shipping, packaging, preservation, and cleaning methods and requirements for ECP's are prepared in accordance with design and specification requirements by SCE, A-E's or contractors, as appropriate. These procedures are reviewed and approved by the originator's quality assurance organization. A-E's and contractor's procedures are subject to review by SCE. The SCE Quality Assurance Organization conducts periodic audits of these organizations to assure proper implementation of these procedures.

SCE, A-E's and contractor's, as delegated, define handling, storage, packaging, preservation, and cleaning requirements in procurement specifications. Compliance with these requirements is verified by means of periodic audits conducted by their respective quality assurance organizations.