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December 31, 1985

Mr. John B. Martin
U.S. Nuclear Regulatory Commission
Region V
1450 Maria Lane, Suite 210
Walnut Creek, CA 94596-5368

Dear Mr. Martin:

Subject: Topical Report-Quality Assurance Program SCE-1-A
Southern California Edison Company

Submitted herewith for your information is Change Notice Number 13 to the Topical Report - Quality Assurance Program SCE-1-A. Change Number 13 reflects changes in the organization structure and responsibility of the SCE Quality Assurance Program, but does not affect the independence of the Quality Assurance Organization. This Change Notice will be incorporated in the next amendment to the Topical Report.

If you have any questions concerning this submittal, please let me know.

Very truly yours,

M. O. Medford

Enclosure

cc: Document Control Desk, USNRC
Washington, D.C. 20555
F. R. Huey (NRC, Senior Resident Inspector, San Onofre
Units 1, 2 and 3)

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

Change Notice Number: 13

Affected Amendment: 8

Affected Pages: 17.1-3, 17.1-3a, 17.1-4, 17.1-6, 17.2-2, 17.2-4, 17.2-5,
17.2-6, 17.2-7, 17.2-7a, 17.2-8. Appendix B is deleted
(17.B-1 and 17.B-2)

- (1) Organizational and personnel title changes are being made in the following areas:
 - (a) Nuclear Engineering Safety and Licensing Department (Quality Assurance)
 - (b) Nuclear Generation Site Department (Nuclear Generation Services)
 - (c) Power Supply Department (Shop Services and Instrumentation)
 - (d) Engineering and Construction Department (Engineering)
 - (e) Advanced Engineering Department
- (2) Nuclear Audit and Review Committee is replaced by Nuclear Safety Group. Reference letter from NRC (J. A. Zwolinski) to SCE (K. P. Baskin) dated 10-15-85 which issues Amendment 91 to POL for DPR-13 (SONGS 1 Operating License).

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):

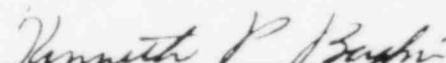
- (1) Changes only revise titles or shift responsibilities but do not change the functions performed within the scope of the quality assurance program.
- (2) Functions of NARC are being assumed by NSG to provide consistency of safety review responsibilities.

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

Approvals:



Manager of Quality Assurance



Vice President

Date Submitted to NRC: 12-31-85

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.

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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, 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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17.1.1.5 (continued)

The Vice President, Nuclear Engineering, Safety and Licensing, exercises through the Manager of Quality Assurance, 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 Quality Assurance.

The Manager of Quality Assurance, reports directly to the Vice President, Nuclear Engineering, Safety and Licensing, and has the responsibility for development, maintenance and surveillance of the Quality Assurance Program as described in quality assurance manuals. These manuals are reviewed and approved by the Manager of Quality Assurance, and the Vice President, Nuclear Engineering, Safety and Licensing. Other SCE organizations involved with Quality Assurance Program implementation, as described in Subsection 17.1.1, review and comment on the quality assurance manuals, particularly as they apply to their area of involvement. The Manager of Quality Assurance, is responsible for identifying any conditions adverse to quality and reporting them to the Vice President, Nuclear Engineering, Safety and Licensing. In addition, the Manager of Quality Assurance, is responsible for surveillance of Quality-Affecting Activities and has the authority to Stop Work, or delegate this authority in writing to other personnel.

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The minimum qualification requirements for the position of Manager of Quality Assurance are as follows:

- A. Bachelor of Science in one of the engineering disciplines from an accredited college or university.
- B. Ten years experience in design, fabrication construction, testing, operation, or quality assurance related to the nuclear power field.
- C. Management and administrative ability demonstrated by experience and training.
- D. Extensive knowledge of regulatory requirements for nuclear generating stations.

The Quality Assurance Organization under the direction of the Manager of Quality Assurance, develops and administers the Quality Assurance Program for the design and construction phase of SCE nuclear generating stations. It is comprised of engineers with expertise in the various disciplines required for performing quality assurance and quality control activities. This organization audits, inspects, or otherwise verifies that activities within the scope of the SCE Quality Assurance Program are correctly performed either by SCE or other organizations delegated work.

17.1.1.5 (continued)

The Quality Assurance Organization has the authority and organizational freedom to:

- A. Identify quality problems.
- B. Initiate, recommend, or provide solutions through designated channels.
- C. Verify implementation of solutions.

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Additional responsibilities of "offsite" and "onsite" based Quality Assurance Organization personnel during the design and construction phase are listed on Table 17.1-3.

A Site Quality Assurance Manager and General Office and Site Quality Assurance Supervisors are assigned to each nuclear generating station under design and construction. They are responsible for directing and managing the activities of the "offsite" and "onsite" based quality assurance engineers.

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A Site QC Manager and QC Supervisors are responsible for directing the activities of site QC personnel. QC personnel provide site inspection and surveillance of safety related items and activities and non-safety related activities when requested by Station or Project Management.

Quality Assurance and Quality Control Managers and Supervisors have the responsibility and authority, delineated in writing, to stop unsatisfactory work and to control further processing, delivery, and installation of nonconforming items.

7 The Manager, Nuclear Engineering and the Manager, Nuclear Safety report directly to the Vice President Nuclear Engineering, Safety and Licensing. The Nuclear Engineering and Nuclear Safety Organizations provide nuclear engineering, nuclear safety and nuclear radiological health support and corporate emergency planning for nuclear generating facilities. The staff requests and coordinates support from other organizations both in the company and outside consultants and engineering firms.

7CN#10

The Manager, Nuclear Licensing, reports directly to the Vice President, Nuclear Engineering, Safety, and Licensing. The Nuclear Licensing Organization provides nuclear licensing support for nuclear generating facilities. The staff requests and coordinates support from other organizations both in the company and outside consultants and engineering firms.

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17.1.1.6 Nuclear Generation Site Department

The Nuclear Generation Site Department, under the Vice President, Nuclear Generation Site has the responsibility for operation of nuclear generating facilities.

17.1.1.10 (continued)

The quality assurance programs of these organizations and the scope of delegation are as described in the applicable contract for the work performed. A typical interface organizational relationship between SCE and other organizations delegated quality assurance work is as shown on Figure 17.1-2.

17.1.1.11 Interfaces for Delegated Quality Assurance Work

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The SCE Manager of Quality Assurance, is responsible to communicate SCE quality assurance requirements directly with management of other organizations delegated the work of establishing and executing portions of the Quality Assurance Program. Compliance with SCE quality requirements and regulatory requirements is verified by means of review and approval of these organizations' quality assurance programs as described in Subsection 17.1.2 and by means of audits as described in Subsection 17.1.18.

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Management of other organizations delegated quality assurance work is required to implement a reporting system concerning the delegated quality assurance work they are performing and to regularly review the status and effectiveness of that part of the program they are executing. Further, management of these organizations is required to submit to SCE management reports concerning correction of quality problems identified during SCE surveillance of delegated work.

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 procedures. '8CN#13

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. '4

The President's responsibilities include Material and Information Services. '8CN#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. '8CN#11

17.2.1.3 (continued)

- o Conducting performance tests and evaluations.
- o Compilation and distribution of quality documentation.
- o Review of station operations and surveillance requirements of the Technical Specifications.
- o Security

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The Manager, Nuclear Training provides for the training and examination of station personnel.

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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17.2.1.5 (continued)

The Manager of Quality Assurance, reports directly to the Vice President, Nuclear Engineering, Safety and Licensing, and has the responsibility for development, maintenance, and surveillance of the Quality Assurance Program as described in Quality Assurance manuals. These manuals are reviewed and approved by the Manager of Quality Assurance, and the Vice President, Nuclear Engineering, Safety and Licensing. Other organizations involved with Quality Assurance Program implementation, as described in Subsection 17.2.1, review and comment on the Quality Assurance manuals, particularly as they apply to their area of involvement. The Manager of Quality Assurance, is responsible for identifying any conditions adverse to quality and reporting them to the Vice President, Nuclear Engineering, Safety and Licensing, and to the Nuclear Control Board (NCB) of which he is a member. In addition, the Manager of Quality Assurance, is responsible for surveillance of Quality-Affecting Activities and has the authority to Stop Work or delegate this authority, in writing, to other personnel.

The minimum qualification requirements for the position of Manager of Quality Assurance, are as follows:

- o Bachelor of Science Degree in one of the engineering disciplines from an accredited college or university.
- o Ten years experience in design, fabrication, construction, testing, operation, or quality assurance related to the nuclear power field.
- o Management and administrative ability demonstrated by experience and training.
- o Extensive knowledge of regulatory requirements for nuclear generating stations.

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The Quality Assurance Organization, as presented on Figure 17.2-1, under the direction of the Manager of Quality Assurance develops and administers the Quality Assurance Program for the operational phase of nuclear generating stations. It is comprised of engineers with expertise in the various disciplines required for performing quality assurance and quality control activities. This organization audits, inspects, or otherwise verifies that activities within the scope of the SCE Quality Assurance Program are correctly performed either by SCE or other organizations delegated the work.

The Quality Assurance Organization has the authority and organizational freedom to:

- o Identify quality problems.
- o Initiate, recommend, or provide solutions through designated channels.

17.2.1.5 (continued)

- o Verify implementation of solutions.

Additional activities performed by "offsite" and "onsite" based Quality Assurance Organization personnel during the operations phase are listed on Table 17.2-3.

A Site Quality Assurance Manager and General Office and Site Quality Assurance Supervisors are assigned to operating nuclear generating station. They are responsible for directing and managing the activities of quality assurance personnel performing the activities described on Table 17.2-3.

A Site QC Manager and QC Supervisors are responsible for directing the activities of site QC personnel. QC personnel provide site inspection and surveillance of safety related items and activities and non-safety related items and activities when requested by Station or Project Management.

8CN#13

Quality Assurance and Quality Control Managers and Supervisors have the responsibility and authority, delineated in writing, to stop unsatisfactory work and to control further processing, delivery, and installation of nonconforming items.

The Nuclear Engineering and Nuclear Safety Organizations provide nuclear engineering, nuclear safety, radiological health support and corporate emergency planning for new and existing nuclear powered generating facilities. The Nuclear Licensing Organization provides nuclear licensing support for new and existing nuclear generating facilities.

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17.2.1.6 Power Supply Department

The Power Supply Department, under the direction of the Vice President, Power Supply, is responsible for providing maintenance services and technical assistance mainly during periods of refueling operations and equipment repair and calibration when requested by the Project Manager or Station Manager.

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The Division Chemical Staff assists generating stations with water chemistry control.

The Division Maintenance Organization, provides supervision and manpower capability for major overhauls and equipment repair.

The Shop Services and Instrumentation Division, provides equipment repair and calibration for generating stations when requested by the Station Manager or Project Manager.

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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, handling, storage and warehousing 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.

17.2.1.11 Delegated Quality Assurance Work

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SCE retains responsibility for the Quality Assurance Program described 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 operational phase are as follows:

- o Architect-Engineer (A-E,s).
- o Nuclear Steam Supply System (NSSS) Supplier.
- o Other suppliers/contractors including consultants to SCE. '8CN#13

The quality assurance programs of these organizations and the scope of delegated work is as described in the applicable contract for the work performed. A typical interface organizational relationship between SCE and other organizations delegated quality assurance work is as shown on Figure 17.2-2.

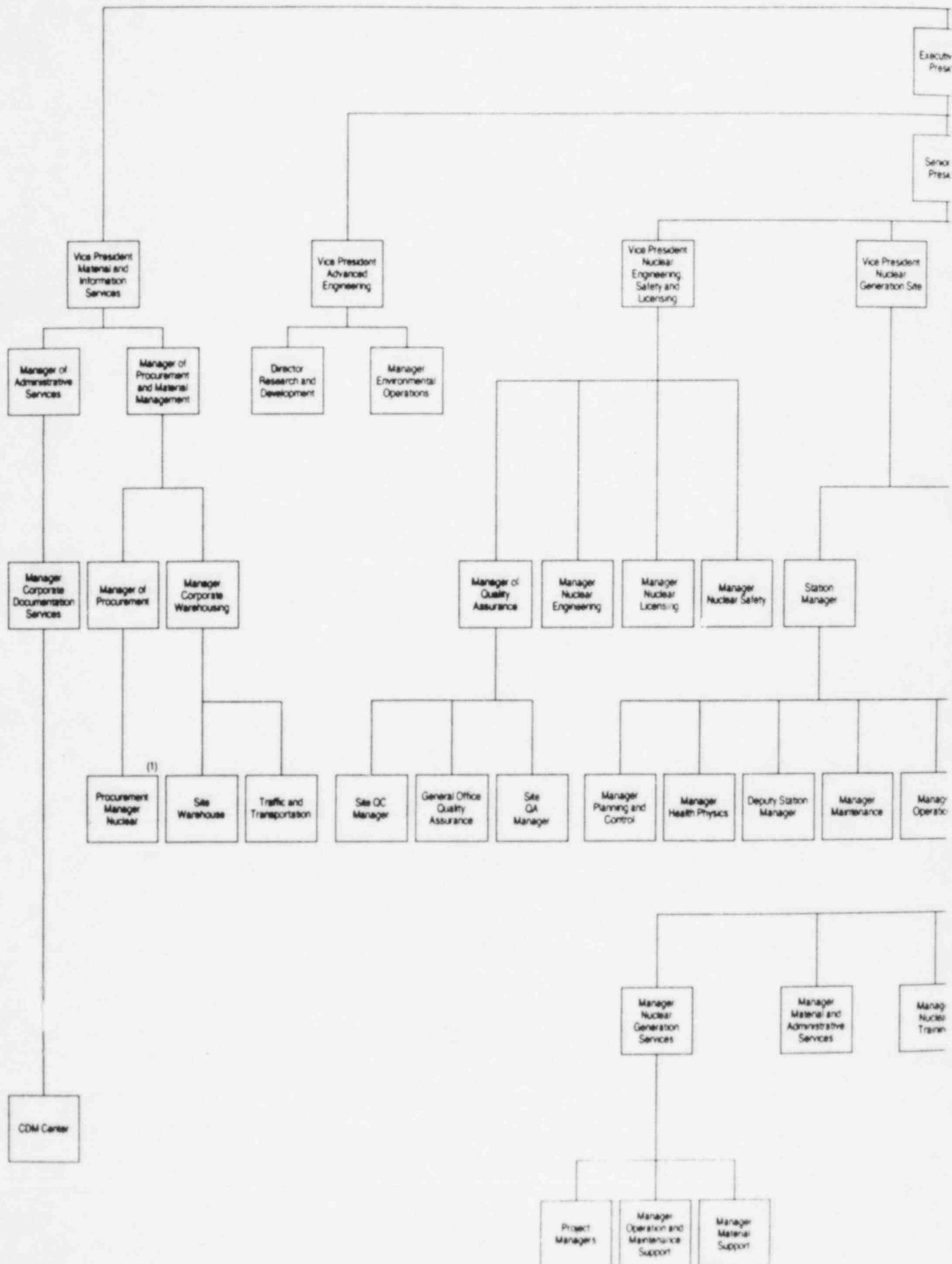
17.2.1.12 Interface for Delegated Quality Assurance Work

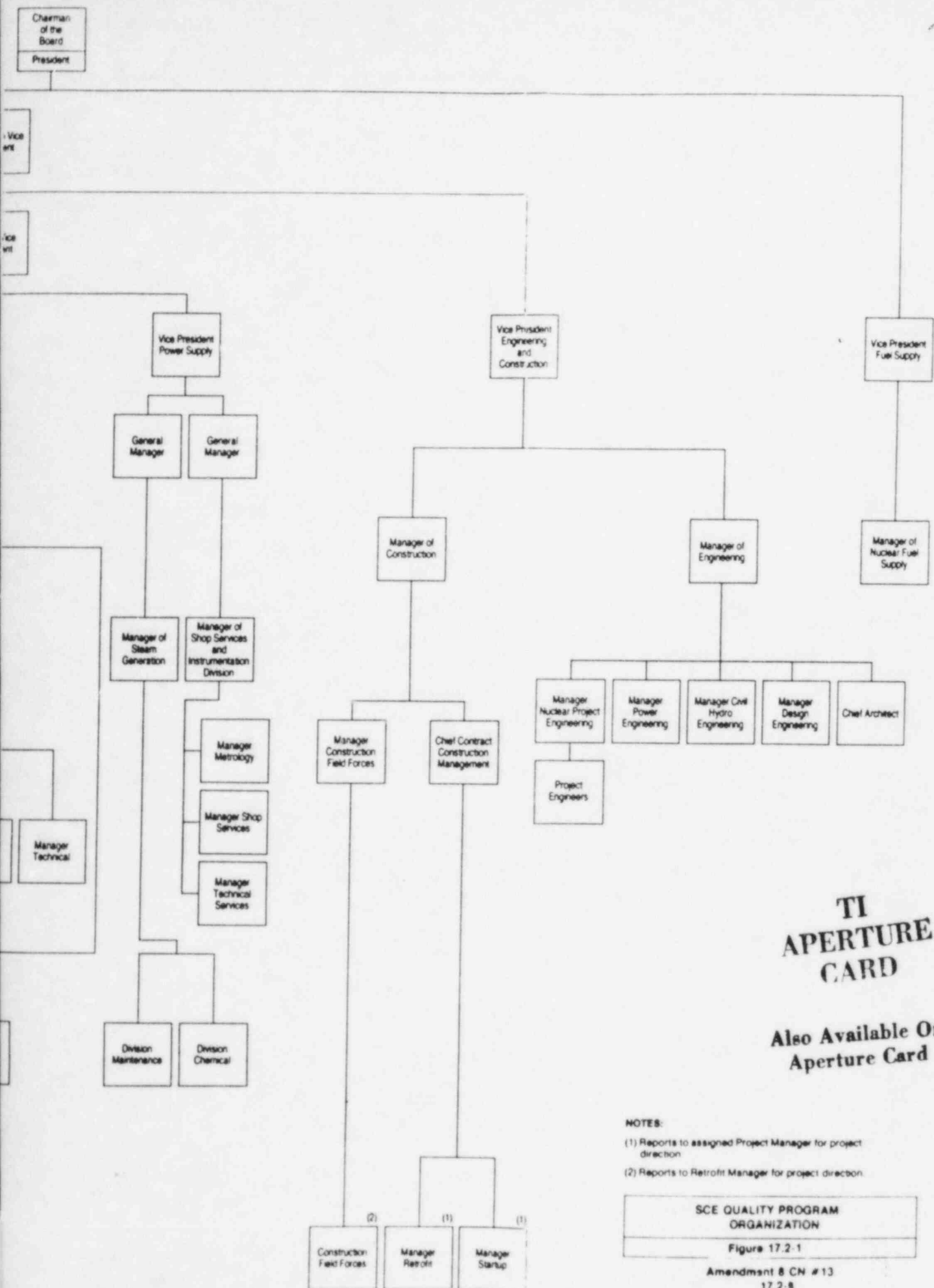
'7CN#7

The SCE Manager of Quality Assurance, is responsible to communicate SCE quality assurance requirements directly with quality assurance managers of other organizations delegated the work of establishing and executing portions of the Quality Assurance Program. Compliance with SCE quality requirements and regulatory requirements is verified by means of review and approval of these organizations' quality assurance programs as described in Subsection 17.2.2 and by means of audits as described in Subsection 17.2.18.

'8CN#13

Management of other organizations delegated quality assurance work is required to implement a reporting system concerning the delegated quality assurance work they are performing and to regularly review the status and effectiveness of that part of the program they are executing. Further, management of these organizations is required to submit to SCE management reports concerning correction of quality problems identified during SCE surveillance of delegated work.





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