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WAUSWORTH, TEXAS 77483

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## OPERATIONS QUALITY ASSURANCE PLAN

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3.0	Conduct of Plant Operations	6	12-20-91	
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<b>SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION</b>  INTERDEPARTMENTAL PROCEDURES  Changes to Licensing Basis Documents	NUMBER IP-1.19Q	REV. NO. 3
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ATTACHMENT IP-1.19Q-01  
LICENSING DOCUMENT CHANGE REQUEST FORM (TYPICAL)  
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Change Number QA-016 Date 5/4/93  
 Originator DF Bedmarczyk Dept Quality Assurance  
 Change Description QAP Chap 1.0 Rev. 6 Add position of VP Nuclear Plant Support with responsibility for nuclear training and emergency preparedness. Add position of Manager, Human Resources, Nuclear Initiating Documentation with responsibility for plant access authorization program — "STP On Line" dtd April 30, 1993 / Nuclear Group Organization (Chart) June 1, 1993

USQE Number 93-0017

Unit(s) Affected: Unit 1  Unit 2

Implementation Status: Unit 1 Completion Date \_\_\_\_\_  
 Unit 2 Completion Date \_\_\_\_\_

Reviewed and Approved by \_\_\_\_\_ N/A \_\_\_\_\_  
 (ER, UFSAR 2.1, 2.2, 2.3) Manager, Technical Services Department Date

Reviewed and Approved by \_\_\_\_\_ N/A \_\_\_\_\_  
 Supervising Engineer, Nuclear Licensing Date

Reviewed by \_\_\_\_\_ John J. Johnson \_\_\_\_\_ 6/4/93  
 (OQAP changes only) General Manager, Nuclear Assurance Date  
J. JOHNSON for R. J. REHKUGLER 06-17-93

Change Incorporated in Revision Number \_\_\_\_\_ of the \_\_\_\_\_

Verified by \_\_\_\_\_  
 Signature \_\_\_\_\_ Date \_\_\_\_\_

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## 1.0 PURPOSE

- 1.1 The purpose of this chapter is to describe the organizational structure as related to quality assurance and to establish the responsibilities of organizations for the South Texas Project Electric Generating Station (STPEGS).

## 2.0 SCOPE

- 2.1 Houston Lighting & Power Company (HL&P), as licensee and Project Manager for itself and the other owners, has the Quality Assurance (QA) responsibility for design, engineering, procurement, fabrication, modification, maintenance, repair, inservice inspection, refueling, testing, and operation of the South Texas Project Electric Generating Station (STPEGS).

## 3.0 DEFINITIONS

- 3.1 None

## 4.0 REFERENCES

- 4.1 None

## 5.0 RESPONSIBILITIES

- 5.1 The Nuclear Group is comprised of Nuclear Generation, Nuclear Engineering, Nuclear Plant Support, Information Resources, Planning/Assessment, Human Resources and Access Authorization, Nuclear, Nuclear Licensing, and Nuclear Assurance. The heads of these groups report to the Group Vice President, Nuclear.

- 5.1.1 The Group Vice President, Nuclear, has overall responsibility for the implementation of the Operations Quality Assurance Program and approving the Operations Quality Assurance Plan (OQAP) and revisions thereto. He is also responsible for engineering, modification, and operations activities of STPEGS.

- 5.1.2 The Vice President, Nuclear Generation, is responsible for staffing STPEGS with qualified personnel and acquiring and coordinating the assistance of internal and external organizations for the testing, startup, operation, modification, maintenance, and security of STPEGS.

- 5.1.2.1 The Plant Manager, STPEGS, has prime responsibility for the safe operation of the STPEGS. The plant staff, under the direction of the Plant Manager, STPEGS, develops detailed procedures and instructions for testing, operation, modification, maintenance, and radiological monitoring of the STPEGS.

The Plant Manager, STPEGS, reports to the Vice President, Nuclear Generation.

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5.1.2.2 The Manager, Nuclear Security, is responsible for the development and coordination of the security program, including practices and procedures; providing security services; establishment and maintenance of physical security.

The Manager, Nuclear Security, reports to the Vice President, Nuclear Generation.

5.1.3 The Vice President, Nuclear Engineering has overall responsibility for design engineering, plant engineering, nuclear engineering, purchasing, material control, and design reviews for STPEGS. In addition, the Vice President, Nuclear Engineering is responsible for nuclear fuel design, fuel acquisition, fuel management, and provides for procurement and storage of equipment, material, and services for STPEGS.

5.1.3.1 The General Manager, Nuclear Engineering is responsible for design engineering, plant engineering, and nuclear purchasing and materials management.

The General Manager, Nuclear Engineering reports to the Vice President, Nuclear Engineering.

5.1.3.2 The Nuclear Fuel Manager is responsible for providing staff assistance to the STPEGS owners in procuring nuclear fuel, other than fabricated assemblies, for STPEGS, and for off-site disposal of spent fuel assemblies.

The Nuclear Fuel Manager reports to the Vice President, Nuclear Engineering.

5.1.3.3 The Plant Analysis Manager is responsible for providing engineering, licensing, and operations analysis in the areas of risk, reliability, and thermal hydraulics.

The Plant Analysis Manager reports to the Vice President, Nuclear Engineering.

5.1.3.4 The Manager, Nuclear Purchasing and Materials Management is responsible for the procurement of equipment, material and services, including the coordination of procurement document review; receipt, handling, storage and issuance of equipment and materials.

The Manager, Nuclear Purchasing and Materials Management reports to the General Manager, Nuclear Engineering for administrative and project direction and is matrixed to the HL&P Corporate Organization for corporate procurement policy direction.



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- 5.1.3.5 The Manager, Design Engineering is responsible for establishment and maintenance of the plant design basis and plant configuration. Design Engineering issues plant modifications, resolves plant nonconformances, approves special process procedures and supports the ASME XI Inservice Inspection Program.

The Manager, Design Engineering reports to the General Manager, Nuclear Engineering.

- 5.1.3.6 The Manager, Plant Engineering is responsible for providing technical support for the day-to-day activities of plant operations, for the development, implementation and administration of the plant testing program, for the administration of the nuclear fuel contract, receipt and receipt inspection of nuclear fuel assemblies, the preparation of spent fuel for shipment, and for providing the nuclear fuel design interface between Westinghouse and STPEGS.

The Manager, Plant Engineering reports to the General Manager, Nuclear Engineering.

- 5.1.4 The Vice President, Nuclear Plant Support, has the overall responsibility for nuclear training and emergency preparedness including development of plans and procedures which implement the Emergency Plan and the conduct of drills and exercises which test the effectiveness of the Emergency Plan.

- 5.1.4.1 The Manager, Nuclear Training, is responsible for developing and implementing formal training programs and curricula to support the training and certification of STPEGS personnel.

The Manager, Nuclear Training, reports to the Vice President, Nuclear Plant Support.

- 5.1.5 The General Manager, Information Resources, is responsible for assuring that activities associated with the distribution of documents, the records management system, plant communications, and the administrative computer systems are in compliance with the OQAP.

- 5.1.5.1 The General Manager, Information Resources, reports to the Group Vice President, Nuclear.



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- 5.1.6 The General Manager, Nuclear Assurance, has the overall responsibility for the development, implementation, and maintenance of the STPEGS QA Program, making periodic reports on its effectiveness, review of selected documents which control activities within its scope, and preparation, control, and approval of the OQAP and revisions thereto. The General Manager, Nuclear Assurance, has the authority to identify, initiate, recommend, or provide solutions to quality-related problems and verify the implementation and effectiveness of the solutions. This position has the independence to conduct QA/Quality Control (QC) activities without undue pressure of cost or schedule. The General Manager, Nuclear Assurance, has the authority to stop work for cause in engineering, design, procurement, fabrication, modification, testing, and operations phases of the nuclear plant. This authority in QA matters has been granted by the Group Vice President, Nuclear. The QA organization's responsibilities during operation are shown in Attachment II. The QA organization, including the inspection staff, is based upon the anticipated QA/QC involvement in operation, modification, and maintenance activities and by a survey of site QA staffs of other utilities with nuclear power plants in operation.

The position of General Manager, Nuclear Assurance, is on the same or higher organizational level as the highest line manager responsible for performing activities affecting quality as shown in Attachment I.

- 5.1.6.1 The Director of Quality Assurance is responsible for Quality Assurance Program and procedure development, audits, surveillances, vendor evaluations, plant technical assessments, procedure evaluations and corrective action effectiveness evaluations.

The Director of Quality Assurance reports to the General Manager, Nuclear Assurance.

- 5.1.6.2 The Manager, Nuclear Quality Control and Material Testing is responsible for providing quality control inspection, non-destructive examination and material tests in support of maintenance, engineering, and materials management.

The Manager, Nuclear Quality Control and Material Testing reports to the General Manager, Nuclear Assurance.

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5.1.7 The General Manager of Nuclear Licensing, is responsible for providing technical direction to ensure that STP Licensing activities are consistent with HL&P Licensing policy.

5.1.7.1 The Executive Director NSRB is responsible for the management of the Nuclear Safety Review Board which conducts independent reviews and audits of significant activities as delineated by technical specifications.

The Executive Director NSRB reports to the General Manager of Nuclear Licensing.

5.1.8 The Manager, Human Resources and Access Authorization, Nuclear, is responsible for the operation of the Plant Access Authorization Program.

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6.0 REQUIREMENTS

6.1 South Texas Project Electric Generating Station Organization

6.1.1 Attachment I depicts the organizational structure of the STPEGS as it relates to the implementation of the Operations Quality Assurance Plan. The structure reflects the reporting alignment for key positions.

7.0 DOCUMENTATION

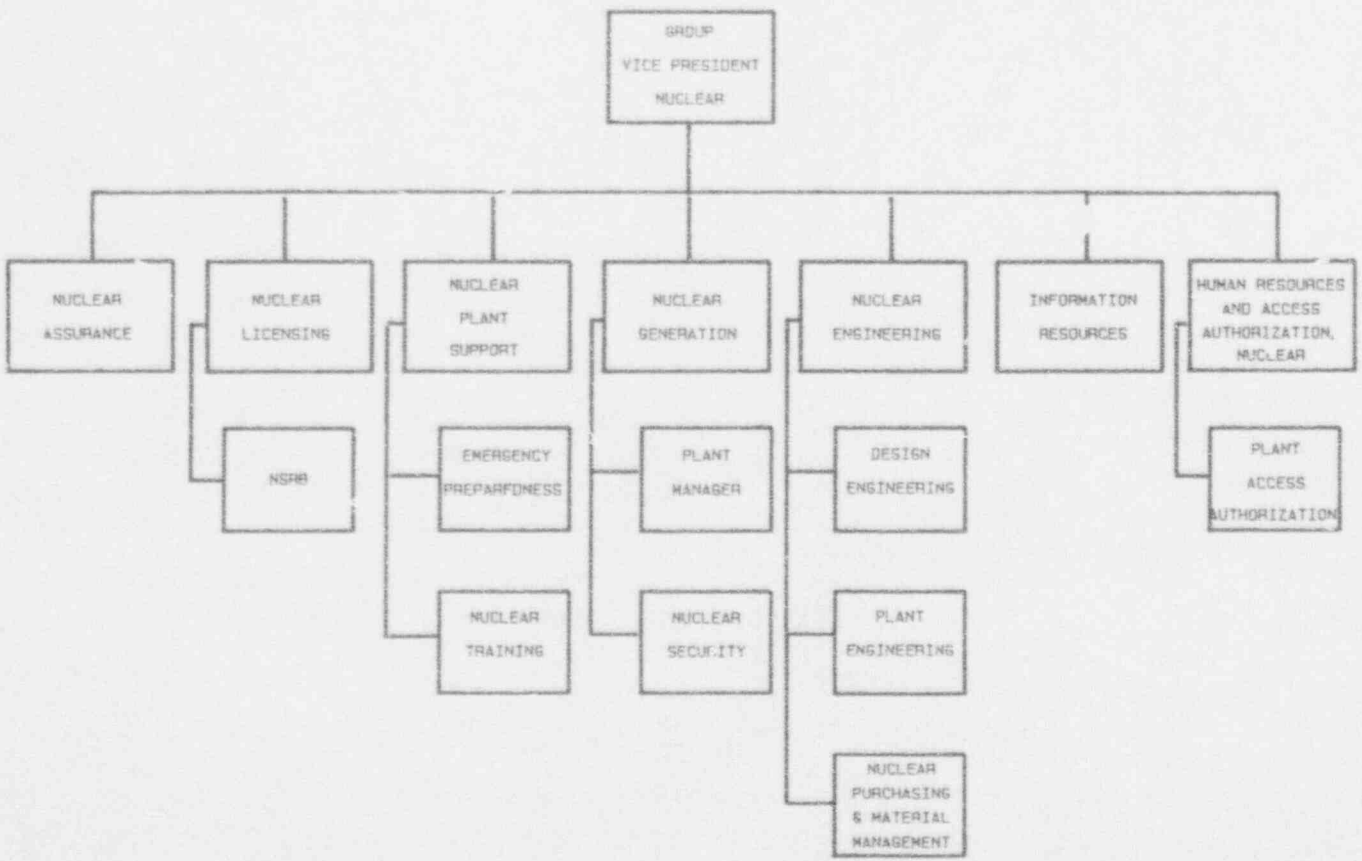
7.1 None

8.0 ATTACHMENTS

8.1 Attachment I - Nuclear Group - QA Functions

8.2 Attachment II - Nuclear Assurance Responsibilities

# HOUSTON LIGHT & POWER COMPANY NUCLEAR GROUP - QA FUNCTIONS



ATTACHMENT 1

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION  
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 ORGANIZATION

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# NUCLEAR ASSURANCE RESPONSIBILITIES

AUDITS	QA REVIEWS	INSPECTIONS	SURVEILLANCES
PLANT AUDITS	PLANT PROCEDURES/PROGRAMS	SITE INSPECTIONS	PLANT SURVEILLANCES
VENDOR AUDITS	VENDOR PROCEDURES/PROGRAMS	VENDOR INSPECTIONS	VENDOR SURVEILLANCES
		CONTRACTOR INSPECTIONS	CONTRACTOR SURVEILLANCES

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ATTACHMENT II

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