

<p style="text-align: center;">SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION</p> <p style="text-align: center;">OPERATIONS QUALITY ASSURANCE PLAN</p> <p style="text-align: center;">NUCLEAR FUEL MANAGEMENT</p>	NUMBER	REV. NO.
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1.0 PURPOSE

1.1 The purpose of this chapter is to describe the requirements and responsibilities for the design, procurement, control and physical accounting of nuclear fuel for the South Texas Project Electric Generating Station (STPEGS).

2.0 SCOPE

2.1 This chapter describes the fabricated nuclear fuel activities within the scope of the Operations Quality Assurance Plan (OQAP).

3.0 DEFINITIONS

3.1 None

4.0 REFERENCES

- 4.1 OQAP Chapter 6.0, Design and Modification Control
- 4.2 OQAP Chapter 7.0, Procurement
- 4.3 OQAP Chapter 9.0, Control of Material
- 4.4 OQAP Chapter 13.0, Deficiency Control
- 4.5 OQAP Chapter 14.0, Records Control
- 4.6 OQAP Chapter 15.0, Quality Assurance Audit and Surveillance

5.0 RESPONSIBILITIES

- 5.1 The Vice President, Nuclear Generation is responsible for the onsite storage, handling, and physical accountability of nuclear fuel assemblies, monitoring, and use of nuclear fuel within core performance guidelines and safety analyses.
- 5.2 The Vice President, Nuclear Engineering is responsible for assuring that nuclear fuel management activities, which include procurement, receipt and receipt inspection of nuclear fuel assemblies, fuel design and analyses, reactor core performance guidelines and safety analyses in support of core operations, special nuclear materials status report preparation, the preparation of spent fuel for shipment, and

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licensing new and reload fuel with the Nuclear Regulatory Commission, are conducted in accordance with this chapter.

- 5.3 The General Manager, Nuclear Assurance is responsible for providing quality assurance support for fuel procurement, receipt and installation of fuel assemblies and verification that requirements are being implemented thorough quality assurance surveillance and audits.

6.0 REQUIREMENTS

- 6.1 Application of quality assurance requirements to nuclear fuel management activities shall be accomplished in accordance with approved procedures that implement the following elements of the Operations Quality Assurance Plan.

6.1.1 Deficiency Control

- 6.1.1.1 Nonconforming items related to the receipt of nuclear fuel assemblies shall be documented and controlled in accordance with Reference 4.4.

6.1.2 Auditing and Surveillance Activities

- 6.1.2.1 The activities identified in this chapter shall be audited in accordance with the Reference 4.6.

6.1.3 Collection, Storage, and Maintenance of Quality Assurance Records

- 6.1.3.1 The appropriate quality assurance records applicable to nuclear fuel shall be identified, administered, and stored in accordance with the applicable requirements of Reference 4.5.

6.1.4 Control of Modification and Design Activities

- 6.1.4.1 Fuel and core design and design verification activities shall be accomplished in accordance with the applicable requirements described in Reference 4.1.

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6.1.5 Procurement Control

6.1.5.1 Procurement activities related to fabricated nuclear fuel assemblies shall be accomplished in accordance with the requirements of Reference 4.2.

6.1.6 Material Control

6.1.6.1 The handling and storage of nuclear fuel assemblies and associated equipment received at the STPEGS shall be performed in accordance with the applicable requirements of Reference 4.3. Technical assistance, including necessary instructions for handling, preservation, storage and other special controls, shall be provided by the supplier of nuclear fuel assemblies in accordance with the fuel contract.

6.2 Engineering Support Activities

6.2.1 The following fuel management activities shall be accomplished in accordance with approved procedures which provide the necessary interface controls:

6.2.1.1 Fuel Design and Analysis

6.2.1.2 Core-related Safety and Transient Analysis

6.2.1.3 Fuel Performance Analysis

7.0 DOCUMENTATION

7.1 Procedures which are generated as required by this chapter shall identify the records which are required to implement and document those activities. The records shall be controlled in accordance with Reference 4.5.

8.0 ATTACHMENTS

8.1 None