

<b>SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION</b>  <b>OPERATIONS QUALITY ASSURANCE PLAN</b>  <b>CONDUCT OF PLANT OPERATIONS</b>	NUMBER	REV. NO.
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## 1.0 PURPOSE

- 1.1 The purpose of this chapter is to prescribe the requirements and responsibilities for the conduct of plant operations at the South Texas Project Electric Generating station (STPEGS).

## 2.0 SCOPE

- 2.1 This chapter applies to all personnel engaged in quality-related activities associated with the operation of the STPEGS.

## 3.0 DEFINITIONS

- 3.1 None

## 4.0 REFERENCES

- 4.1 STPEGS Technical Specifications
- 4.2 Regulatory Guide 1.33, Quality Assurance Program Requirements (Operations)
- 4.3 UFSAR 13.5.2.1 paragraph 4, Emergency Operating Procedures
- 4.4 OQAP Chapter 14.0, Records Control
- 4.5 10CFR100, Reactor Site Criteria

## 5.0 REQUIREMENTS

- 5.1 Activities affecting quality-related structures, systems, and components shall be conducted in accordance with written, approved procedures, as delineated in Reference 4.2.
- 5.1.1 Procedural compliance and requirements for procedure use shall be prescribed in writing. Measures shall be established by which temporary changes to approved procedures can be made, including the designation of a person(s) authorized to approve such changes. Temporary changes which clearly do not change the intent of the approved procedure shall be made in accordance with Reference 4.1.

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- 5.1.2 Guidance shall be provided to identify the manner in which procedures are to be implemented. Examples of such guidance include identification of those tasks that require:
- 5.1.2.1 The written procedure to be present and followed step by step while the task is being performed.
  - 5.1.2.2 The operator to have committed the procedural steps to memory.
  - 5.1.2.3 Verification of completion of significant steps by initial or signatures on check/rff lists.
- 5.1.3 The types of procedures that shall be present and referred to directly are those developed for extensive or complex tasks where reliance on memory cannot be trusted, e.g., reactor startup, tasks which are infrequently performed, and tasks in which operations must be performed in a specified sequence. Necessary data shall be recorded as the task is performed.
- 5.1.4 Temporary procedures may be issued to direct operations during testing, refueling, maintenance, and modifications; to provide guidance in unusual situations not within the scope of the normal procedures; and to ensure orderly and uniform operations for short periods when the plant, a system, or a component is performing in a manner not covered by existing detailed procedures or has been modified or extended in such a manner that portions of existing procedures do not apply. Temporary procedures shall include designation of the period of time during which the procedures are to be used and shall be subject to the same review and approval process as permanent procedures.
- 5.1.5 Emergency Operating Procedures shall be prepared in accordance with Reference 4.3.

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## 5.2 Operating Orders

- 5.2.1 A mechanism shall be provided for issuing management instructions which have short-term applicability and which require dissemination. Such instructions, sometimes referred to as special orders, operating orders, or standing orders should encompass special operations, job-turnover and relief, data taking, publications and their distribution, plotting process parameters, personnel actions, or other similar matters.
- 5.2.2 A mechanism shall be provided for management to issue information and direction to the oncoming evening and night shifts. These night orders shall be signed and dated by a responsible supervisor.

## 5.3 Shift Operations

- 5.3.1 The responsibilities and authorities of Licensed Operations Personnel shall be specified in plant procedures. These procedures shall include responsibilities and authorities for startup, shutdown, and operation of the reactor and associated equipment, for observance of instrumentation and for implementation of the Emergency Plan (Refer to Reference 4.1). The cognizant Shift Supervisor shall be responsible for maintaining sufficient knowledge of system or equipment tests or inspections in progress to control the overall plant operation. Personnel performing tests or inspections shall keep the Shift Supervisor or Control Room Operator advised of the current status of tests or inspections in progress which may affect plant operations.
- 5.3.2 When operating during normal, abnormal or emergency conditions, the operator shall rely on plant instrumentation, unless proven to be incorrect. When operating parameters are not as expected, the unit shall be placed in a known safe condition. A manual reactor trip or safety system actuation shall be initiated if system parameters for reactor trip or safety systems

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exceed their actuation setpoint and automatic actuation does not occur.

- 5.3.3 In the event of an emergency not covered by an approved procedure, operations personnel shall take action to minimize personnel injury, damage to the facility, and maintain offsite exposures within the requirements of 10CFR100.

#### 5.4 Equipment Control

- 5.4.1 Procedures shall provide for control of equipment as necessary to maintain personnel and reactor safety and to avoid unauthorized operation of equipment. These procedures shall require control measures such as locking or tagging to secure and identify the control status of equipment, and responsibility and action necessary for isolating the equipment. These procedures shall require independent verifications where appropriate to ensure these measures have been correctly implemented.
- 5.4.2 Procedures shall provide for the identification of required tests and inspections and provide documentary evidence that the tests and inspections have been performed prior to considering the affected system operable.
- 5.4.3 Permission to release equipment or systems for maintenance shall be granted by designated operations personnel. These operations personnel shall verify before release that, based on a review of the plant technical specifications, the system or component can be released for the time period that it may be out of service. The requirements for equipment operability stated in Reference 4.1 shall be met.

#### 6.0 DOCUMENTATION

- 6.1 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 4.4.

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7.0 ATTACHMENTS

7.1 None