

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

- 1.1 The purpose of this chapter is to describe requirements and assign responsibility for control of material at the South Texas Project Electric Generating Station (STPEGS).

## 2.0 SCOPE

- 2.1 This chapter applies to identification, control and traceability of material, parts and components during receipt, storage, handling, issuance, installation and shipping activities.

## 3.0 DEFINITIONS

- 3.1 None

## 4.0 REFERENCES

- 4.1 ANSI N45.2.2/Reg. Guide 1.38, Packaging, Shipping, Receiving, Storage and Handling of Items for Nuclear Power Plants
- 4.2 ANSI N45.2.3/Reg. Guide 1.39, Housekeeping During the Construction Phase of Nuclear Power Plants
- 4.3 OQAP Chapter 4.0, Qualification, Training and Certification of Personnel
- 4.4 OQAP Chapter 7.0, Procurement
- 4.5 OQAP Chapter 14.0, Records Control

## 5.0 REQUIREMENTS

- 5.1 Quality-related material, equipment, and components shall be handled, stored, shipped, cleaned, and preserved to assure that the quality of items is maintained from fabrication through installation.
- 5.2 Identification and Traceability Requirements
- 5.2.1 Physical identification of material (including consumables), parts and components shall be used whenever possible or practical and identification shall be traceable to the

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appropriate documentation such as drawings, specifications, purchase orders, manufacturing and inspection documents, deviation reports, and physical and chemical test reports.

#### 5.2.2 Identification marking requirements include:

- 5.2.2.1 Where physical identification marking is used, the marking shall be clear, unambiguous and indelible and shall be applied in such a manner as not to affect the function of the item.
- 5.2.2.2 Markings shall be transferred to each part of an item whenever possible or practical when subdivided and shall not be hidden or obliterated by surface treatment or coatings unless other means of identification are substituted (e.g., color coding).
- 5.2.2.3 Procedures shall specify that identification be maintained, either on the item or on records traceable to the item, and verified as required throughout fabrication, erection, installation, and use of the item. The identification must be verified and documented prior to release for fabrication, erection, installation and/or use of the item.

#### 5.3 Material Storage

- 5.3.1 Measures shall be established for the control of items in storage which include: storage location, storage levels, procedures which require periodic surveillance of stored items to verify specific protective environmental requirements, inspection results, item care and protective measures, personnel access to storage areas, and material issues. Control of items in storage shall comply with the intent of the requirements of Reference 4.1. Storage conditions commensurate with the safety classification of the materials will be maintained.

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5.3.2 Procedures shall be developed for storage of chemicals, reagents, lubricants, and other consumable materials which will be used in conjunction with quality-related systems. Items having limited shelf or operating life shall be identified and controlled to preclude the use of expired items.

#### 5.4 Material Handling

5.4.1 Procedures shall be developed for handling of items which, because of weight, size, susceptibility to shock damage or other conditions, require special handling.

5.4.2 Measures shall be established to rate and inspect hoisting and handling equipment in accordance with Reference 4.1.

#### 5.5 Shipping

5.5.1 Measures shall be established for the packaging, loading and transportation of items off-site in accordance with Reference 4.1.

#### 5.6 Housekeeping

5.6.1 Measures shall be established for housekeeping activities in the warehouse areas which include: zone designation, environment control, work area cleanliness, fire protection, inspection, and surveillance. These measures shall meet the requirements of Reference 4.2.

5.7 Personnel performing handling, preservation, storage, cleaning, packaging, shipping, and inspection to the requirements of this chapter shall be trained and qualified per Reference 4.3.

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DATE 12-20-91**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 4.5.

**7.0 ATTACHMENTS**

- 7.1 None