

**TAMPA ELECTRIC COMPANY
ENERGY SUPPLY
ASBESTOS AWARENESS PROGRAM**

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TAMPA ELECTRIC COMPANY ENERGY SUPPLY ASBESTOS AWARENESS PROGRAM

PURPOSE

The primary purpose of the Asbestos Awareness Program is to provide training and knowledge to appropriate plant personnel, so they are properly protected from the hazards of asbestos. Additionally, this program provides guidance to be followed in the event of accidental disturbance or damage to installed asbestos-containing material or presumed asbestos-containing material.

INTRODUCTION

TAMPA ELECTRIC provides a safe and healthy workplace for its employees by communicating information concerning asbestos and appropriate protective measures to all affected employees.

Asbestos is present throughout Tampa Electric Energy Supply Power Stations, except for Polk. Asbestos-containing material may include, but not be limited to: transite building panels, transite arc flash protection in electrical cabinets, pipe insulation, floor tiles, wire insulation, gaskets, valve packing, glues and mastics.

Work involving asbestos containing material is divided, by OSHA, into four classifications:

- Class 1 and Class 2 involve removal of asbestos containing materials (ACM).
- Class 3 involves repair and maintenance activities where asbestos containing materials are intentionally disturbed.
- Class 4 activities include maintenance and custodial work which may result in contact with, but not disturbance of asbestos containing materials.

WORK IS NOT TO BE PERFORMED BY TAMPA ELECTRIC EMPLOYEES IN CLASS 1, CLASS 2 OR CLASS 3 ACTIVITIES. WORK IN THESE CLASSIFICATIONS MUST BE PERFORMED BY QUALIFIED CONTRACTORS.

For newly installed and utilized parts and materials, and components, it is the policy of Tampa Electric Company to utilize products and materials that are “asbestos-free” and labeled as such whenever feasible.

Use of asbestos containing parts and materials requires notification to and approval from the affected Station Director.

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RESPONSIBILITY

Each Station Director is responsible for the implementation and maintenance of the Asbestos Awareness Program.

The Joint Departmental Committee Safety Programs is responsible for reviewing, maintaining and revising this program as necessary. Responsibilities supporting this objective may be assigned to others as designated.

Affected employees shall comply with this program and applicable OSHA regulations and standards regarding asbestos.

EMPLOYEE TRAINING

Class 1, 2, and 3 asbestos work may only be conducted by personnel who have been trained in accordance with 40 CFR Part 763. Class 1, 2 and 3 asbestos work may only be performed by qualified contractors.

Target Audience – Station Personnel performing “*maintenance and custodial work which may result in contact with, but not disturbance of asbestos containing materials*” (Class 4 asbestos work) are required to receive annual Asbestos Awareness Training. Other employees shall also receive this training, as based upon their job duties and the potential for them to contact ACM, as determined by station management with consultation of the Safety Staff.

Frequency – Training shall be provided prior to or at the time of initial assignment and at least annually thereafter.

Methods – Training shall be accomplished through Computer-Based Training (CBT), by PowerPoint presentation with video, or other training materials determined adequate by the Safety Department.

At a minimum, the content of the training course shall include:

- Locations of asbestos and presumed asbestos in our facilities
- Methods of recognizing asbestos, including the requirement to presume that certain building materials contain asbestos,
- The health effects associated with asbestos exposure,
- The relationship between smoking and asbestos in producing lung cancer,

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- The nature of activities that could result in exposure to asbestos, the importance of necessary protective controls to minimize exposure including, as applicable, engineering controls, work practices, respirators, housekeeping procedures, hygiene facilities, protective clothing, decontamination procedures, emergency procedures, and waste disposal procedures, and any necessary instruction in the use of these controls and procedures; where Class 3 and 4 work will be or is performed, the contents of [EPA 20T-2003, "Managing Asbestos In-Place" July 1990](#) or its equivalent in content,
- The purpose, proper use, fitting instructions, and limitations of respirators as required by OSHA's Respirator Protection Standard ([29 CFR 1910.134](#)); Refer to the Energy Supply Respiratory Protection Program for additional information,
- The appropriate work practices for performing the asbestos job,
- Medical surveillance program requirements,
- The content of the Asbestos Standard and the appendices,
- The Tampa Electric Employee Assistance Program provides smoking cessation assistance,
- The requirements for posting signs and affixing labels and the meaning of the required legends for such signs and labels,
- Access to training materials,
- The employer shall make readily available to affected employees without cost, written materials relating to the employee training program, including a copy of 29 CFR 1910.1001.

EMPLOYEE TRAINING DOCUMENTATION

All employee training will be documented electronically in the training database. Classroom training will require the attendees to sign a roster and that information will later be transferred into the electronic training database. When Computer Based Training (CBT) is used, the training may be documented in the separate CBT program database or transferred into the electronic training database, where practical.

Training records shall be maintained for a minimum of one year beyond the last date of employment for all Class 4 classified employees.

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MEDICAL SURVEILLANCE

Medical Surveillance is not required for employees performing “Class 4” activities. As a result, only contractors that perform Class 1, 2 and 3 work at Tampa Electric locations are required to participate in the Medical Surveillance programs covered by 29 CFR 1926.1101.

UNPLANNED DISTURBANCE OF ACM OR PRESUMED ACM (PACM)

The following procedures are to be followed by TEC employees when any ACM or PACM has been disturbed.

- TEC employees shall notify the SPO or Designee immediately to report the presence of potential asbestos contamination on the floor, water or physical damage to the Asbestos Containing Materials (ACM).
- The SPO or Designee, upon evaluation of the situation, will:
 1. Contact the Contractor Supervisor and inform them of the situation
 2. Restrict access to the area
 - All employees shall be evacuated within 30 feet of the surrounding area
 - Where practical, all air handling equipment serving the affected area shall be shut off
 - The area shall be barricaded (Red Tape) in accordance with the Energy Supply Work Area Protection Program
 3. Contact the Station Environmental Coordinator
 4. Submit a Hazardous Condition Report of the event
- The Contractor Supervisor shall contact the Company’s outside asbestos contractor to appropriately address the situation.

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PLANNED DISTURBANCE OR REMOVAL OF ACM AND PACM

At Tampa Electric facilities, any work that involves the disturbance or removal of ACM or PACM, including the removal of gaskets and valve packing that are not known to be asbestos-free, needs to be completed by an outside contractor trained in Class 1, 2 or 3 level asbestos training. This work is only accomplished by a licensed asbestos contractor and may be coordinated through the Contractor Supervisor or Facility Services.

PERIODIC REVIEW

Periodic review of this program will be performed to ensure compliance with the elements outlined in this document, so that the effectiveness of the program may be maintained.

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APPENDIX A – GLOSSARY

Asbestos – Heat and chemical resistant minerals including; chrysotile, amosite, crocidolite, tremolite asbestos, anthophyllite asbestos, actinolite asbestos, and any of these minerals that have been chemically treated and/or altered.

Asbestos-containing material (ACM) - Any material containing more than 1% asbestos.

Presumed asbestos containing material – (PACM) - Thermal system insulation and surfacing material found in buildings constructed no later than 1980. The designation of a material as "PACM" may be rebutted by having completed inspection conducted which demonstrates that no ACM is present in the material or by performing tests of the material containing PACM which demonstrates that no ACM is present in the material. Such tests shall include analysis of bulk samples.

Surfacing ACM - Surfacing material which contains more than 1 percent asbestos. Surfacing material means material that is sprayed, troweled-on or otherwise applied to surfaces (such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, and other purposes