

**Electrical Safety
Overview
1-Hour Module**

Overview

Workers performing service or maintenance on machinery and equipment may be exposed to injuries from shock and arc blast and/or flash during the use, maintenance, and servicing of electrical equipment throughout the processing facilities.

The electrical safety standard requires the adoption and implementation of safe installation and work practices to prevent electrical shock, electrocution, and arc flash/blast.

It contains minimum safety installation requirements, and definitive criteria for establishing an effective program for the control of electrical hazards. Like other standards, such as lockout and tag out, it requires circuits and equipment to be put into a safe electrical work condition.

This presentation discusses some of the key issues related to safety for the poultry processing industry and addresses the following topics: General requirements, wiring protection and design, general use, and safe work practices.

Objectives

After the completion of this session, the participant should be able to: Recognize key electrical safety components, Identify select hazards as related to the poultry industry, List potential methods that can be used to eliminate electrical hazards, and Discuss safe electrical work practices.

Resources

One hour power point presentation

Hour 1

I. Standards

- a. Overview
- b. How standards affect installation and use of equipment

II. Definitions

- a. Discuss typical terms that apply to electrical safety

III. Introduction

- a. Hazards
- b. Effects on the Human Body

IV. Premises Wiring

- a. Installation and Use
- b. Equipment Requirements
- c. Markings
- d. Disconnects
- e. Work Space
- f. Guarding of Live Parts
- g. Grounding-Requirements for circuits and equipment

V. Wiring Methods

- a. Discuss the requirements for temporary wiring
- b. Requirements for GFCI
- c. Flex cord
- d. Wet and damp locations

VI. Safe Electrical Work Practices

- a. Discuss the requirements for lockout and tagging out of circuits
- b. Procedures
- c. Equipment

Evaluation and Assessment

Interactive conversations