



Control of Hazardous Energy (Lockout / Tagout)

4-Hour Course

OVERVIEW This course provides information on how and what standards apply to Control of Hazardous Energy, also known as Lockout / Tagout (LOTO). It is recommended for individuals who perform, assess, or implement a control of hazardous energy program or those individuals who want to develop a thorough in-depth understanding of the OSHA LOTO standards. This course will assist individuals in understanding the requirements as they apply to designing their program, developing, and implementing LOTO procedures. Attendees gain an understanding of the latest guidelines and regulations from OSHA, NFPA 70E and ANSI/ASSP. Workers and safety professionals learn key practical information: best work practices in identifying hazardous energy, develop methods to eliminate hazards and how to apply a LOTO program at your worksite.

REFERENCES OSHA 1910.147, 1910.333, 1926.417, Current NFPA 70E, ANSI/ASSP Z244.1 (as applicable)

MATERIALS e-Hazard [Control of Hazardous Energy Workbook](#)

1. Introduction

- Overview
- Key Facts on OSHA citations and safety

2. Regulations & Standards

- OSHA Regulations
- Applicability of NFPA 70E, ANSI/ASSP

3. Program Requirements

- Purpose and Scope
- Key Components
- Responsibilities
- Applications and Limitations
- Simple vs. Complex Procedures
- Procedure Exemptions

4. Hazardous Energies

- Types
- Sources
- Magnitudes
- Situational Conditions

5. Protection Strategies

- Tools and Equipment
- PPE
- Energy Isolation Devices
- Tags-Plus Systems

6. Planning & Procedures

- Developing Procedures
- Order of Operations
- Documentation
- LOTO Removal and Temporary Removal
- Return to Normal Operation
- Emergency Response

7. Additional Electrical Hazard Considerations

- Electrically Safe Work Condition
- Absence of Voltage Testing
- Electrical PPE Requirements

8. Maintaining Program

- Employee Training
- Inspections/Audits
- Continuous Improvement

9. Putting It Altogether

- Practical Exercises:
Violations and Corrective Actions