

H S E

HEALTH

SAFETY

ENVIRONMENT



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Lockout & Tagout: OSHA's Safe Isolation Of Process Plant Equipment

Duration: 5 Days

Introduction:



Failure to control hazardous energy accounts for nearly 10 percent of the serious accidents in many industries. Proper lockout/tagout (LOTO) practices and procedures safeguard workers from the release of hazardous energy. OSHA's Lockout/Tagout standards describe the practices and procedures necessary to disable machinery or equipment to prevent the release of hazardous energy. Proper lockout/tagout (LOTO) practices

and procedures safeguard workers from the release of hazardous energy. The OSHA standard for The Control of Hazardous Energy (Lockout/Tagout) for general industry outlines specific action and procedures for addressing and controlling hazardous energy during servicing and maintenance of machines and equipment.

This course is based on the OSHA regulations. OSHA requires that anyone who is involved in working around energy systems such as electrical, mechanical, hydraulic, pneumatic, and others receive training. This course will help to satisfy the requirements for training as detailed in the OSHA regulation for those who are working in areas where Lockout programs are in place, or whose job requires them to actually do the Lockout and isolate the energy sources.

Who Should Attend?

Emergency Response Managers, Engineers, Officers, Researchers, Environmental Managers, Safety Managers, Engineers, Officers, HSE Managers, Engineers, Officers, Industry Personnel

Course Objectives:

By the end of this course delegates will be able to:

- Understand key components of the lockout/tagout standard Understand the purpose and elements of an energy control program
- Understand types and responsibilities of people involved with lockout/tagout
- Understand elements that must be included in energy control procedures Learn the training and inspection requirements
- Learn steps to safely apply energy shutdown
- Define Lock Out Tag Out (LOTO or Lockout/Tagout)
- Identify the importance of LOTO
- Understand the roles and responsibilities of those involved with LOTO
- Know the requirements of the LOTO regulations
- Know the different types of LOTO
- List the three parts of a LOTO program
- Understand how and when to conduct LOTO training

- Understand and define the different types of energy
- List the requirements of an Energy Control Program
- Know how and when to properly apply locks and other devices
- Understand the advantages, disadvantages and limitations of locks and tags
- Be able to list the steps of applying LOTO on the job
- Understand considerations when working with outside contractors and LOTO

Course Outline:

- Introduction to Lockout/ Tagout
- Lockout
- Tagout
- Energy isolating devices
- Scope of lockout/tagout standard
- Definitions - lockout/tagout/tags
- Conditions for Lockout/Tagout
- Lockout/tagout devices
- Roles and responsibilities
- Purpose for Lockout/Tagout
- General Requirements for Lockout/Tagout
- Different types of energy
- Energy Control Application
- Release for Lockout/Tagout
- Energy Control Program

- Advantages, disadvantages and limitations of locks and tags
- Requirements of an Energy Control Program
- Proper notification, awareness of energy hazards, controlling the hazards