

YMCA OF CENTRAL NEW YORK WORKPLACE SAFETY & CHILD ABUSE PREVENTION TRAINING 2025	
TRAINING TOPIC	TRAINING MONTH
Lockout/Tagout (LOTO)	August

### Standard for Lockout Tagout

According to the OSHA standard for The Control of Hazardous Energy (Lockout/Tagout), Title 29 Code of Federal Regulations (CFR) Part 1910.147, LOTO addresses the practices and procedures necessary to disable machinery or equipment, thereby preventing the release of hazardous energy while employees perform servicing and maintenance activities.

Hazardous energy sources include electrical, mechanical, hydraulic, pneumatic, chemical, thermal, or other sources in machines and equipment that can be hazardous to employees.

The standard sets forth requirements to protect employees working on electric circuits and equipment. It requires employees to use safe work practices, including lockout and tagging procedures.

### Harmful Acts of Hazardous Energy

Employees servicing or maintaining machines/equipment may be seriously injured or killed if hazardous energy is not properly controlled. Injuries resulting from the failure to control hazardous energy during maintenance activities can be serious or even fatal. Electrocution, burns, crushing, cutting, lacerating, amputating, or fracturing body parts are only a few examples of the injuries that can be sustained.

### Examples:

- A steam valve is automatically turned-on burning employees who are repairing a downstream connection in the piping
- A jammed conveyor system suddenly releases, crushing an employee who is trying to clear the jam
- Internal wiring on a piece of factory equipment electrically shorts, shocking an employee who is repairing the equipment

Employees injured on the job from exposure to hazardous energy lose an average of 24 workdays for recuperation.

### How to Control Hazardous Energy

Proper LOTO practices and procedures safeguard employees from hazardous energy releases. The LOTO Standard establishes an employer's responsibility to protect employees from hazardous energy. Employers are required to train each employee to ensure that they know, understand, and are able to follow the applicable provisions of the hazardous energy control procedures.

- Proper LOTO practices and procedures safeguard employees from the release of hazardous energy
- Proper training in the purpose and use of energy control procedures for employees that work with and around machinery
- Training to recognize hazardous energy sources
- Specific procedures and limitations in relation to Tagout systems where they are allowed
- Retraining of employees to maintain proficiency or introduce new or changed control methods

Having control over hazardous energy greatly reduces the risk of injury and makes the workplace safer.