

# BREWHOUSE BULLETIN

## LOCKOUT/TAGOUT (CONTROL OF HAZARDOUS ENERGY)

### What is hazardous energy?

- Electrical, mechanical, hydraulic, pneumatic, chemical, thermal, kinetic and other uncontrolled energy sources stored in machines and equipment.
- Examples:
  - Working in a mash tun, with moving rakes, and that has not been de-energized.
  - Cleaning or repairing boil kettles that have not been allowed to cool completely.
  - Jammed conveyor system that suddenly releases and pinches the hand of the worker who is trying to clear the jam, without de-energizing the conveyor first.

### What is lockout/tagout (LO/TO)?

- Specific written practices and procedures to safeguard employees from the unexpected energization or startup of machinery and equipment, or the release of hazardous energy during service or maintenance activities.

### What do employees need to know?

- Trained to know, understand, and follow the LO/TO procedures.
- Employer's hazardous energy control program.
- Elements of the energy control procedure(s) relevant to the employee's duties or assignment.
- Various requirements of the OSHA standards related to LO/TO.



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### What do employers need to do?

- Develop, implement, and enforce an energy control program.
- Use lockout devices for equipment that can be locked out and tagout devices if they will provide equivalent protection to a lockout device.
- Ensure new or modified equipment can be locked out.
- Develop, document, implement, and enforce energy control procedures.
- Use only lockout/tagout devices authorized for each piece of equipment and ensure they are durable, standardized, and substantial.
- Ensure that lockout/tagout devices identify the individual users.
- Establish a policy that permits only the employee who applied a lockout/tagout device to remove it.
- Inspect energy control procedures at least annually.
- Provide effective training for all employees covered by the standard.

Link to OSHA Control of Hazardous Energy Standard: <https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.147>

Link to OSHA Selection and use of work practices: <https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.333>

Send questions to the OCBA Safety Committee at: [ohiocraftbeer.org/safetyquestions/](https://ohiocraftbeer.org/safetyquestions/)