Keeping Us Safe
Lock Out Tag Out
The Division of Occupational Safety and Health (DOSH), better known as Cal/OSHA, protects workers from health and safety hazards on the job in almost every workplace in California through its research and standards, enforcement, and consultation programs. Cal/OSHA also oversees programs promoting public safety on elevators, amusement rides, and ski lifts. In addition, the division oversees programs promoting the safe use of pressure vessels (e.g., boilers and tanks).

Workers

- Health & Safety Rights: Facts for California Workers
- Protecting Temporary Agency Employees
- Learn about worker rights
- Report a labor law violation
- Report a bad employer in the underground

Employers

- Required for employers:
  - Notifications
  - Postings
  - Recordkeeping
- Consultation Services
- Permits, registrations, certifications & licenses
- Payments—invoices and penalties
- Develop an injury & illness prevention program

Quick Links

- File a workplace safety complaint
- Learn about worker rights
- Obtain a free consultation

Cal/OSHA Branches & Units

Branches

- Enforcement
- Consultation

Units

- Amusement Ride and Tramway
- Asbestos and Carcinogen
- Crane
Cal/OSHA Enforcement Branch

The Cal/OSHA Enforcement Branch is responsible for the following:

- **Complaint and accident investigations.** Cal/OSHA investigates:
  - Complaints of workplace hazards filed by employees, employee representatives, and others.
  - Reports of serious violations received from law enforcement.
  - Reports of accidents resulting in serious injury or illness or death.

- **Targeted and programmed inspections.** Cal/OSHA conducts targeted inspections of employers in high hazard industries with high rates of preventable injuries and illnesses and workers’ compensation losses. Cal/OSHA conducts programmed inspections in mining and tunneling, petroleum refining, and the underground economy.

- **Citations, special orders, and orders to take special action.** Cal/OSHA issues citations, special orders, and orders to take special action after investigation of hazards in a workplace.

- **Orders prohibiting use.** Cal/OSHA issues orders prohibiting use (OPUs) where there is an imminent hazard.
Heat Illness Prevention etool

This etool contains general information on heat illness and its causes in outdoor workplaces. It contains 
WARNING 
to alert you to high risk situations and conditions. It also has detailed information on effective 
BEST PRACTICES 
to prevent, 
SMART TIPS 
recognize, and respond to heat illness. Included are 
with practical suggestions to help you put into place an 
effective program.

Key elements in preventing heat illness include:

- WATER
- SHADE
- ACCLIMATIZATION

Injury and Illness Prevention Program etool

Employers in California are required to have an effective written Injury and Illness Prevention Program (IIPP). The benefits of an effective IIPP include improved safety and health, better morale, increased productivity, and reduced costs of doing business. Whether you need to develop a written IIPP or improve your current IIPP, this etool will help you. This etool will produce a written IIPP for you by answering a set of questions (see How to Create Your Written IIPP – Questions). Answers will automatically appear in a written IIPP which is specific to your workplace. To produce a complete written IIPP you must answer all IIPP questions. The written IIPP you produce will not be sent to Cal/OSHA.

There are also Effectiveness Questions for you to evaluate how effective your IIPP is and Sample Forms and Checklists to help you put your IIPP into practice. What have you done.

Just search “CalOSHA Consultation”
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News Release No.: 2015-06            Date: January 25, 2016

Cal/OSHA Cites Two Employers for Serious Meat-Grinder Accident

San Luis Obispo—Cal/OSHA has cited Vitco Meats and temporary employment agency Volt Workforce Solutions a combined $74,500 following a nearly fatal accident at a San Luis Obispo meat processing plant that left a worker with a crushed right hand, a broken arm, and nerve damage. Neither company had trained the employee to safely operate or clean the industrial meat grinder he was operating.

“When companies hire temporary employees they do not sign away their responsibilities

...
Emphasis in Lockout/Blockout

- The Purpose
- The Regulation
- Compliance
- Awareness
- Prevention

(a) Application

(2) For the purposes of this Section, cleaning, repairing, servicing and adjusting activities shall include unjamming prime movers, machinery and equipment.
PURPOSE - TO PREVENT ACCIDENTS

Sacramento, CA - FATAL
A worker climbs on top of a tire shredder to clear a jam. His foot is caught by the in-feed wheels. The lower part of his body was shredded by the cutters.
SHREDDER ACCIDENT

- Why wasn’t the machine locked out?
- Policy versus Practice!
- What was the Lockout Policy?
- What was the Practice for un-jamming?
- Mechanical/Electrical provisions?
- What should the training include?
- Compliance
PURPOSE - TO PREVENT ACCIDENTS

- Bag mfg – worker loses finger in clearing jam $32,000
- String Cheese mfg – arm pulled off while cleaning $40,000
- Corn Harvester – Fatal, worker caught in blades while clearing $63,110

Certify Periodic Inspection
ACCIDENT RELATED FACTORS

- Clearing jams, cleaning residue, clearing stock.
- Failing to shut off equipment.
- Lack of proper tools.
- Common practice
- Likelihood / Severity
- Lack of awareness – training?
Repairing without de-energizing.
Why is this occurring?
What needs to be done?
THE REGULATION - 3314
The control of hazardous energy (lockout/tagout)

Cleaning, repairing, servicing, adjusting, and UNJAMMING.

Provisions of Electrical Section

Affected and Authorized persons

Cord and plug equipment

Energy Control Procedures and Training
3314 (a) Application and Definitions

- **Affected employee** whose job requires them to operate or use machinery/equipment where lockout or tagout is required….

- **Authorized employee** a qualified person who locks out or tags out specific machinery in order to perform cleaning, unjamming, repairing……

- Applies to cleaning, unjamming, repairing, servicing setting-up or adjusting. Electrical systems are prescribed in Electrical Orders.
There’s a difference between simply turning off a machine and disengaging or de-energizing it. The control switch itself still contains electrical energy. The risk is “unexpected" energization or start up of the machines or equipment, or release of stored energy will cause serious injury.
Work on Cord and Plug-Connected Equipment

- Unplugged from energy source
- Under exclusive control of person performing maintenance
• Procedures for affixing appropriate lockout devices or tagout devices to energy isolating devices
• Other standards in this part require the use of lockout or tagout
• Frequent Violations
  – De-energize and disengage (also block moveable parts) during lockout activities.
  – Lack of proper tools or other methods when movement is required.
  – No specific haz energy control procedural steps for affected equipment.
  – Lack of proper training.
• Accident prevention signs or tags or both shall be placed on the power source controls.
• Machine or equipment shall be designed to accept a lockout device.
• Means shall be provided to accommodate multiple locks for multiple and complicated operations.
1. Specific Procedural Steps
2. Steps for shutting down
3. Steps for blocking/securing
4. Steps for lockout devices
5. Steps for testing lockout
6. Steps for inspections
7. Steps for instructions
8. Steps for training

9. Compliance of steps
Employees and Supervisors to fully implement proper lockout procedures – to disengage, de-energize, block, and ensure that inadvertent movement does not occur.
• **Authorized** employee shall receive training in the recognition of applicable hazardous energy sources…,
• **Affected** employee shall be instructed in the purpose, application, and use of….,
• **All other** employees, shall be instructed about the procedure, and about the prohibition relating to attempts to restart or reenergize machines or equipment which are locked out or tagged out.
• **Everyone** must understand the consequences of not following proper lockout procedures!
EVERYONE CLEARLY UNDERSTANDS THE PURPOSE AND APPLICATION!
Resources

Lockout/Tagout for Employers eTool

Home | The Real World | Definitions | LOTO Required | Other Requirements | Materials/Hardware | HECCPS | Periodic Inspections | Training | Alternative Measures | Resources | Credits

ACTION KIT

- Cal/OSHA Fact Sheet - Lockout/Tagout for Employees (pdf, 125KB)
- Cal/OSHA Fact Sheet - When Cleaning, Adjusting, Repairing or Unjamming Machine, Follow These Lockout/Tagout Steps (pdf, 1.03MB)
- Cal/OSHA Video - Protect Yourself When Cleaning, Adjusting, and Unjamming Machines - To download, right-click link and "Save Target As..." (wmv, 12.9MB). A transcript of the video is also provided.
- Cal/OSHA Consultation Emphasis in Lockout/Blockout Presentation
- Worksafe BC Slideshow - Lockout for woodworking
- Worksafe BC Hazard Alerts

This eTool is designed to help you understand what lockout/tagout is and how to put into place effective procedures to protect your company and employees. It includes real world examples of accidents, definitions, and in practical language the regulatory requirements from the California Code of Regulations in Title 8 (T8CCR 3314). There are also "Best Practice" ideas to show you how to fulfill the regulatory requirements and protect your employees from the unexpected startup of machinery, equipment, and prime movers that could cause injury or death.
CAL/OSHA ENFORCEMENT OUTREACH COORDINATION PROGRAM UNIT

QUESTIONS?

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Contact DIR –Outreach request form