
LOCKOUT/TAGOUT

MASHA Resources

Information for any of the following MASHA products may be obtained by contacting Jean Chadbourn at jeanchadbourn@masha.on.ca, or (705)474-7233 ext. 279.

Lockout for Life Safety Meeting Package

“This training package includes all the materials to conduct a series of high-impact crew meetings focusing on lockout. A brief video reviews the six simple steps to lockout. The package also includes safety contact sheets for discussion, hazard alerts, contests and lockout posters.”

Non-Members: \$150.00

Members: \$50.00

Pocket Lockout

This pocket booklet reviews the six simple steps to lockout, and includes the relevant legislation, various situations, and equipment workers may encounter when locking out energy in their workplaces.

Non-Members: \$15.00

Members: \$5.00 or \$3.00 for orders of 30 or more

SafetyFocus Magazine

The October 2000 issue (#4-2000) contains a feature on lockout.

Zero Energy State Safety Meeting Topic

“This safety meeting topic is a self-contained package with all the materials for a safety meeting focusing on one of the most important concepts in lockout/tagout procedure. A machine not in Zero Energy State is a lockout accident waiting to happen.”

Non-Members: \$75.00

Members: \$25.00

Online Resources

- Alberta Construction Safety Association
 - Safe Work Practices
<http://www.acsa-safety.org/safeworkpractice2.asp>

Among the many downloadable documents, include Electrical Systems Lockout, and Lockout of Pressure Systems, (titles are listed in alphabetical order)

- Electrical Safety Authority
 - Lockout/Tagout Flash Alert
<http://www.esainspection.net/pdf/fsn/99-01-fl.pdf>

This safety notice includes those items or considerations to be incorporated in a lockout procedure.

- IAPA
 - Lockout
<http://www.iapa.ca/pdf/lockout.pdf>

This health and safety guideline provides a description of what lockout is, why it is necessary, and how to develop a policy.

- IRSST
 - Articles published in Électricité Québec (French only)
<http://www.irsst.qc.ca/fr/chroniques-electricite-quebec.htm>

“These articles deal with different subjects in the field of machine safety: emergency stopping devices, two-hand controls, lockout and interlocking, proximity scanners, rules of caution, etc.”
 - Preparation of a design guide of lock-out devices for hazardous machines (Research Project)
http://www.irsst.qc.ca/en/_projet_2744.html

“This project will develop a technical guide for engineers and companies designing, modifying or implementing automated machine command systems in Québec, based on available documentation, notes taken during field interventions, and real-life experience.” There is a list of related documents and publications (in French) that follow.

- Manitoba Labour and Immigration—Workplace Safety and Health Division
 - Locking-Out and Tagging of Electrical Equipment
<http://www.gov.mb.ca/labour/safety/pdf/bltn118.pdf>

This *WorkSafe Bulletin* provides a reminder to workers about proper steps to lockout.

- MSHA
 - Electrical Lockout and Tag
http://www.msha.gov/Accident_Prevention/Tips/eleclock.htm

A miner's tip which concisely informs workers what steps to take before performing electrical work.

- OSHA
 - Control of Hazardous Energy (Lockout/Tagout)
<http://www.osha.gov/SLTC/controlhazardousenergy/index.html>

This page provides access to resources which help to answer questions/concerns about lockout safety (e.g., relevant OSHA standards, the lockout/tagout process, lockout/tagout programs, etc.).

 - Lockout/Tagout E-Tool
<http://www.osha.gov/dts/osta/lototraining/index.htm>

An interactive training program, the resources on this site are intended to increase OSHA Lockout/Tagout Standard. Information is organized Case studies, tutorials, hot topics and miscellaneous material are provided.

- WCB of BC
 - Lockout Booklet
http://www.worksafebc.com/publications/Health_and_Safety_Information/by_topic/assets/pdf/lockout.pdf

This booklet "explains the requirements of the WCB of BC for de-energization and lockout."

- Workers Health and Safety Centre
 - Lockout: De-Energizing Hazards
<http://www.whsc.on.ca/publications/hazardbulletins/spring2000/lockout2.htm>

This article provides a general overview of what lockout is, including its types and methods; it also offers examples of good lockout programs

Journals

Bainbridge, J. 2001. "Lockout/Tagout: The Control of Hazardous Energy Sources." *Safety Matters*. 4 (12): 12-15.

"As many as 20 percent of fatalities can be attributed to inadequate hazardous energy control procedures, specifically lockout/tagout procedures."

Dehaas, D. 1999. "Making Lockout Work." *Occupational Health and Safety Canada*. 15 (2): 42-50.

This paper addresses the need to implement a proper lockout management system in order for it to work successfully.

Elliott, F. 2003. "Keep Plugging." *Occupational Health and Safety*. 72 (9): 186-189.

"Urges safety professionals to be clear in communicating the importance of lockout/tagout procedures and the possible consequences of failure in this area." A checklist is offered for reference.

Elliott, F. 2002. "Leverage Your LOTO Logic." *Occupational Health and Safety*. 71 (3): 58-60.

"Discusses the importance of compliance with the OSHA's regulation 29 CFR 1910.147 which sets out requirements for lockout/tagout (LOTO) systems. Also provides an audit checklist to be incorporated into a facility's overall periodic inspection of the workplace."

Flakstad, Nordahl. 2002. "Lockouts: The Key to Shutting Out Injury." *Occupational Health and Safety Magazine*. 25 (3): 10-11.

Internet: http://www3.gov.ab.ca/hre/whs/publications/pdf/ohs_mag_0902.pdf

Explains the importance of lockout procedures and the six basic steps which should be taken when performing a lockout.

Ford, J.A. 2000. "Putting a Lock on Lockout." *Occupational Health and Safety Canada*. 16 (3): 18.

This article "outlines the use of a lockout box as part of a system to ensure the isolation of energy sources."

Johnson, L. 2000. "Learning the Language of LOTO." *Occupational Health and Safety*. 69 (7): 89-90.

"Discusses costs and benefits of lockout/tagout (LOTO) training, and presents a series of LOTO lessons."

Johnson, L.F. 2000. "Get Moving—And Fast. If Production is Paramount and Safety is Secondary, You Have a Problem." *Occupational Health and Safety*. 69 (3): 68-70.

"Presents steps and a checklist to audit [lockout/tagout safety programmes] and states that having a such a programme in place can provide a deceptive and potentially lethal sense of security for management if it is not regularly maintained and reviewed."

Kanis, P. 2001. "Controlling the Human Element." *Occupational Health and Safety* 70 (3): 26, 83-84.

"Outlines the use of technologies such as trapped key interlocking and trapped key valve interlocking for the prevention of process accidents due to human error."

Popovici, G.R. 2000. "Get Up to Speed with Lockout/Tagout." *Safety and Health*. 161 (2): 54-56.

"Looks at the use of computer software for lockout/tagout programmes. Such software allows the standardization of protocols, the provision of different levels of security; customization to meet particular needs and the minimizing of human error. Also considers tag design and use, and the implementation of a computerized system."

Kelley, S.M. 2000. "High-performance lockout/tagout." *Occupational Hazards*. 62 (1): 59-61.

"Provides advice on designing an effective lockout/tagout program in an effort to reduce workplace deaths and injuries caused by machine-related accidents."

Vanhoven, C. 2002. "Gaining Assurance." *Occupational Health and Safety*. 71 (9): 202-204.

"Looks at the reasons for lockout/tagout procedures and suggests a 7-step system to ensure that these are carried out properly."