

LOCKOUT/TAGOUT
KRM-LOTO
 SAFETY PRODUCTS
KRM CORPORATION

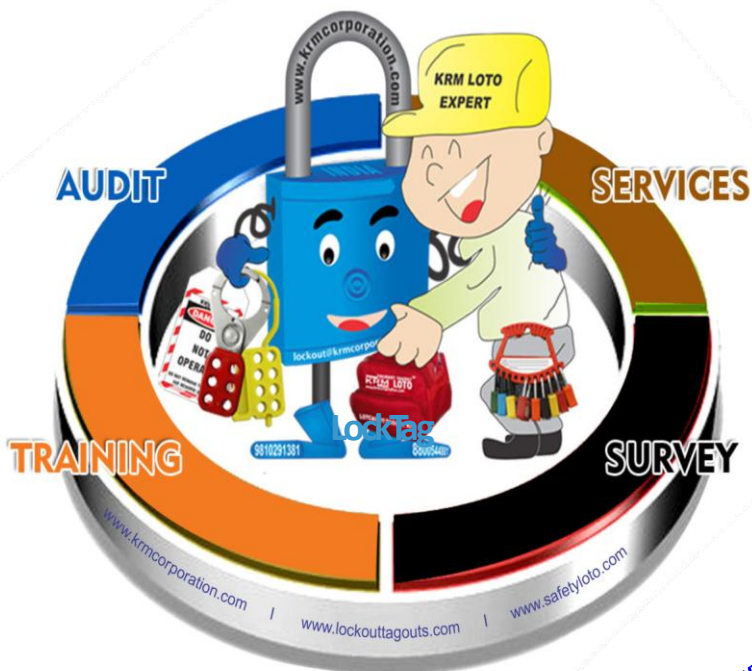
to meet OSHA LOCKOUT/TAGOUT STANDARD,
 29CFR 1910.47 & 1910.269

KRM LOTO PRODUCTS
Presentation 1



LOCKOUT TAGOUT SOLUTION

QUALITY IS **KRM** IDENTITY



www.krmcorporation.com
www.lockouttagouts.com

www.lockoutmaster.com

www.safetyloto.com



Lockout/Tag out Standards

Proper Lockout Procedure



Lockout

- Lockout is a technique used to prevent the release of hazardous energy, or to prevent the hazardous energy from escaping.
- A padlock is placed on the appropriate energy isolating device that is in the off or closed position.





“Fatal Five” Main Causes of Lockout/Tagout Injuries

- Failure to stop equipment.
- Failure to disconnect from power source.
- Failure to dissipate (bleed, neutralize) residual energy.
- Accidental restarting of equipment.
- Failure to clear work areas before restarting.





Definitions

- Authorized Employee - one who locks out machines or equipment in order to perform the servicing or maintenance on that machine or equipment.
- Affected Employee - one whose job requires him/her to operate or use a machine or equipment on which servicing or maintenance is being performed under lockout, or whose job requires him/her to work in an area in which such servicing or maintenance is being performed.



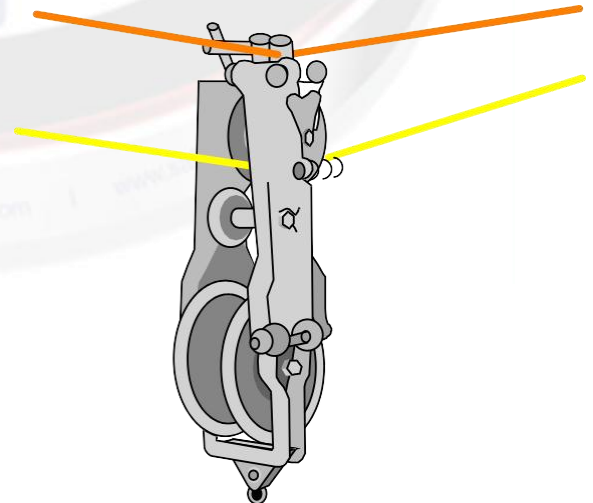
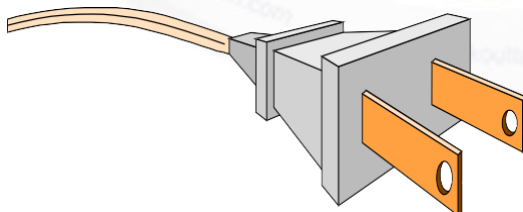
Definitions, cont.

- Energy Isolating Device -
A mechanical device that physically prevents the transmission or release of energy.
- Energy Control Procedure -
Safety program adopted by the employer that includes energy control procedures plus provisions for inspecting the procedures and training employees for lockout/tagout.



Hazardous Energy Sources Found in the Workplace

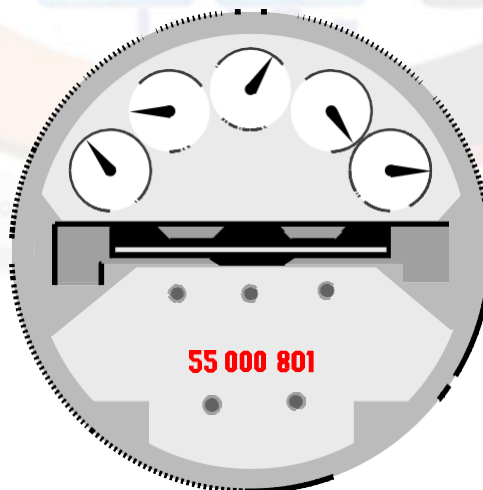
- ❖ Electrical
 - ❖ Generated
 - ❖ Static
- ❖ Mechanical
 - ❖ Transitional
 - ❖ Rotational
- ❖ Thermal
 - ❖ Machines or Equipment
 - ❖ Chemical Reactions
- ❖ Potential
 - ❖ Pressure
 - ❖ Hydraulic
 - ❖ Pneumatic
 - ❖ Vacuum
 - ❖ Springs
 - ❖ Gravity





Types of Lockout Devices

- Plug Locks
- Ball Valve Lockout
- Gate Valve Lockout
- Group Lockout Hasp
- Electrical
- Hydraulic, pneumatic, and other pressurized systems.





Lockout Procedure

- Alert the operator (s) that power is being disconnected.
- Preparation for Shutdown
- Equipment Shutdown
- Equipment Isolation
- Application of Lockout Devices
- Control of Stored Energy
- Equipment Isolation-Verification



Removal of Lockout

- Ensure equipment is safe to operate
- Safeguard all employees
- Remove lockout/tagout devices.
Except in emergencies, each device must be **removed by the person who put it on.**
- Last person to take off lock
- Follow checklist



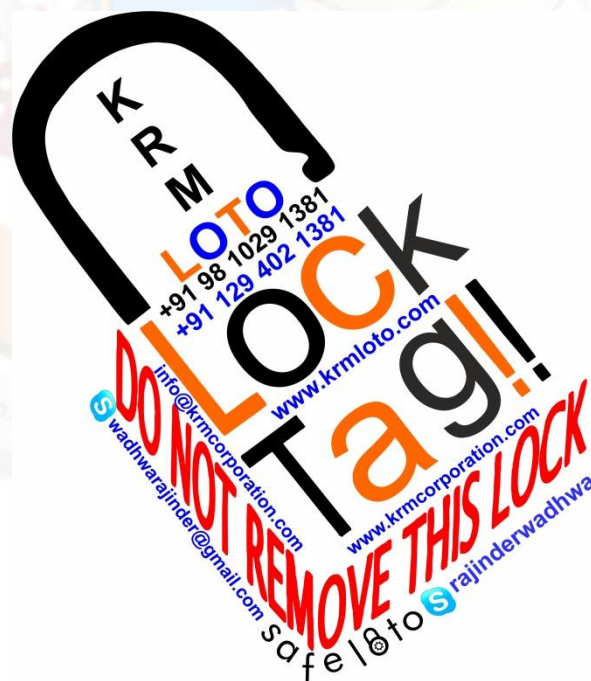
Temporarily Reactivating Equipment

- Remove unnecessary tools from the work area and make sure everyone is clear of the equipment.
- Remove lockout/tagout devices and re-energize the system.
- As soon as the energy is no longer needed, isolate the equipment and re-apply lockout/tagout, using the six step procedure.



Special Situations

- Servicing lasts longer than one shift.
- Worker who applied lock is not available.
- Contractors are performing service or maintenance at your workplace.





Tidbits of Info.

- Never attempt lockout/tagout procedures unless you have been trained and certified by your employer under an approved Energy Control Program.
- Never loan or share your lock, combination, or key with anybody else.
- Always be sure all lockout/tagout devices are compatible with the environment in which they will be used i.e. corrosive, humid, etc.



Contact

Practice proper Lockout / Tagout Procedures



- Know the steps for applying and releasing lockout/tagout devices
- Understand authorized and effected employees' roles
- Review lockout/tagout procedures annually



KRM CORPORATION

OHSAS 18001:2007 & BS EN ISO 9001 : 2008 CERTIFIED COMPANY
to meet OSHA'S Lockout Tagout Standard 29 CFR, 1910.147&1910.269

Rajinder Wadhwa | M: +91 9810291381, 8800544881 | Skype: rajinderwadhwa

Email:

info@krmcorporation.com, info@krmloto.com, wadwharajinder@gmail.com

Lockout Tagout & Safety Products Manufacturer, KRM Corporation OUR PRODUCTS

KRM Corporation

Regd. Off. :1H/31-A, N.I.T. Faridabad-Haryana-121001,India |

Postal Add.: 615. Sector-15-A, Faridabad-121007.

Telefax: +91 129 402 1381 | Dir.: +91 129 413 1381

Websites:

www.krmcorporation.com | www.krmloto.com

www.locktagindia.com | www.safetyloto.com