

LOTOTO TRAINING



WHAT IS LOCKOUT/TAGOUT?

- Technically known as the **Control of Hazardous Energy**
 - Control of energizing, starting, or stored energy in machinery or equipment which could cause injury to employees
- Problems associated with Hazardous Energy
 - Accidental Start Ups
 - Electrical Shock
 - Release of Stored Energy



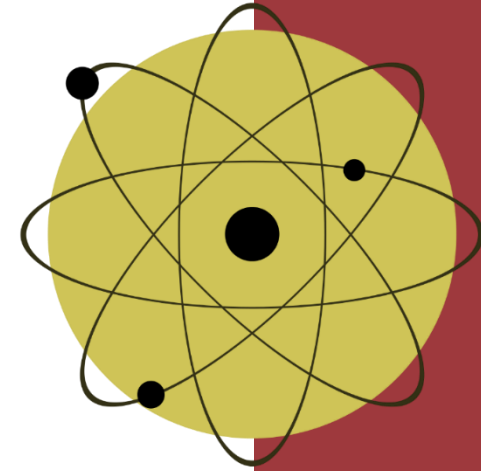
Types of Energy Sources

- Hazard

- Electrical →
- Mechanical →
- Chemical →
- Thermal →
- Hydraulic →
- Pneumatic →
- Kinetic →

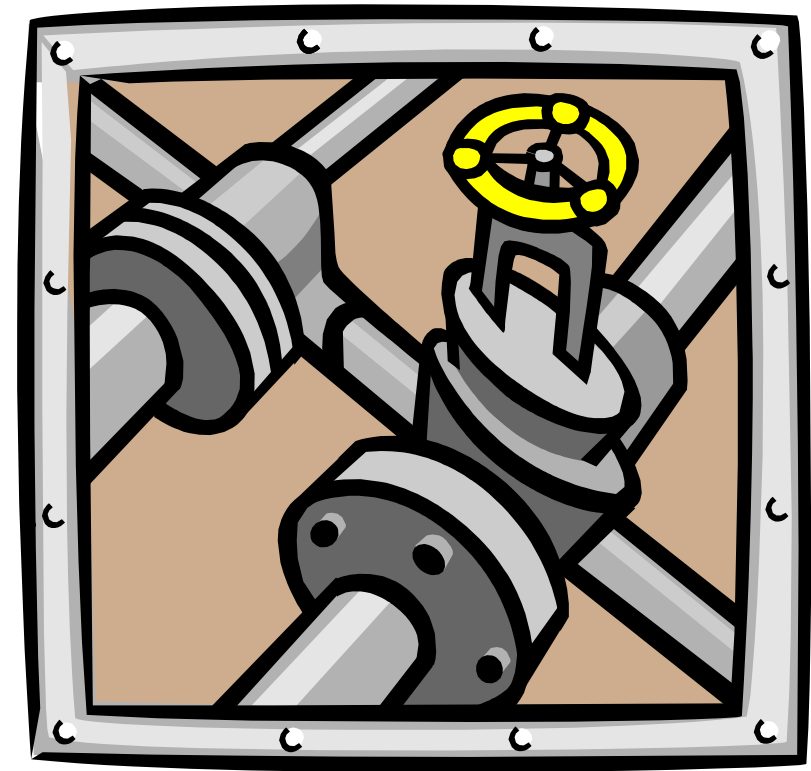
- Potential Outcome

- Burns or death
- Cuts, fractures, death
- Fires, burns, fumes
- Burns or freezing
- Unexpected release can cause injury
- Stored energy can cause injury
- Motion



Control Sequence

- Application of control
 1. Preparation for shutdown
 2. Machine or equipment shutdown
 3. Machine or equipment isolation
 4. LOTO device application
 5. Release of stored energy
 6. Verification of isolation



Lockout/Tagout Application

- Devices shall be affixed to each energy isolating device by authorized employees
- Lockout devices shall be affixed in a manner that will hold the energy isolating devices in a "safe" or "off" position
- Tagout devices shall be affixed in a manner indicating that the operation or movement of energy isolating devices from the "safe" or "off" position is prohibited

Types of LOTO devices:



- 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.

