

Energy Control Procedure

Equipment ID:	Mfg:	Model No:	ID No:
Equipment Location:			Date Performed:
Task(s) to be Performed:			
Name of Person Performing Assessment:			

A. ENERGY FORM(S):(Check all that apply)

<input type="checkbox"/> 1) Electrical <input type="checkbox"/> a. Low voltage(50-600V) <input type="checkbox"/> b. High voltage(>600V) <input type="checkbox"/> 2) Chemical/Explosion pressure, extreme heat, fire, corrosive, reactive, oxidizer, toxic <input type="checkbox"/> 3) Pressure <input type="checkbox"/> Pneumatic <input type="checkbox"/> Hydraulic <input type="checkbox"/> 4) Vacuum	<input type="checkbox"/> 5) Mechanical - capable of crushing, pinching, cutting, snagging, striking <input type="checkbox"/> 6) Thermal - High Temperature, Surface Temperature, Hot Liquids, Steam <input type="checkbox"/> 7) Thermal - Cryogenic - contact with super cold surface or with cryogenic liquid <input type="checkbox"/> 8) Ionizing Radiation	<input type="checkbox"/> 9) Non-Ionizing Radiation <input type="checkbox"/> a. Ultraviolet <input type="checkbox"/> b. Infrared <input type="checkbox"/> c. RF/Microwave <input type="checkbox"/> d. Laser <input type="checkbox"/> e. Magnetic Fields <input type="checkbox"/> 10) Stored - Flywheels, springs, differences in elevation, elevated parts that could drop, capacitors, batteries
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B. BASIC PROCEDURES

Lockout Procedure:

- 1) Notify all affected personnel of LOTO.
- 2) Turn off power at disconnect points listed in column C1
- 3) LOTO each energy control point listed in Column C1
- 4) Dissipate/Disconnect any stored energy. See column C2{ }- N/A}
- 5) Block any mechanical parts, remove any mechanical links. Lock blocking in place{ }- N/A}(NOTE: Two physical blocks required to secure any gas/liquid line)
- 6) Verify personnel are clear of hazards
- 7) Verify no hazardous energy remains. Use circuit tester/meter if electrical energy is involved. See column C4.
- 8) Attempt to restart machinery or re-energize equipment through normal means. NOTE: Return switch back to OFF position
- 9) Perform required work

Procedure to Device to Operation:

- 10) Verify Danger Zone is clear of equipment, workers, tools, and test equipment
- 11) Unlock and remove and blocking devices; remove linkages.
- 12) Reposition any safety devices.
- 13) Warn workers to stay clear of area.
- 14) Remove all locks and tags from energy control points.
- 15) Verify area is clear of personnel.
- 16) Re-start/re-energize the equipment
- 17) Notify all affected personnel and other persons that the lockout has been cleared.

C. SPECIFIC PROCEDURES

Hazardous Energy (Specify form and values including names of chemicals)	C1 Specific Lockout Locations	C2 Dissipate Stored Energy At These Points	C3 Block These Parts/Remove Linkages	C4 Verify Residual Energy By These Methods