# Energy Control Procedure

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<tr>
<th>Equipment ID:</th>
<th>Mfg:</th>
<th>Model No:</th>
<th>ID No:</th>
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<tr>
<th>Equipment Location:</th>
<th>Date Performed:</th>
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<th>Task(s) to be Performed:</th>
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<table>
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<tr>
<th>Name of Person Performing Assessment:</th>
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### A. ENERGY FORM(S):(Check all that apply)

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

### 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. See column C3
  - N/A
- 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

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