Appendix C

29 CFR 1910.147

Control of Hazardous Energy (LO/TO)

Forms Used For This Program
# Lock Out/Tag Out Log

From: ____________________________  To: ____________________________

Shop: ____________________________

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Location</th>
<th>Reason</th>
<th>Employee(s)</th>
<th>Date LO/TO Out</th>
<th>Date Restored</th>
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</table>
Certification of Periodic Inspection - LO/TO

Shop ________________________________ Date ________________________________

Machine/Equipment ________________________________ Location ________________________________

Employee(s)  __________________________________________________________

Were any deviations or inadequacies identified? Yes or No If yes, what were they?

________________________________________________________________________

________________________________________________________________________

What corrective actions, if any, are required?

________________________________________________________________________

________________________________________________________________________

Is additional training needed? Yes or No If yes, on what?

________________________________________________________________________

________________________________________________________________________

Additional Comments:

________________________________________________________________________

________________________________________________________________________

Inspector: ________________________________ Print ________________________________ Sign and Date ________________________________

Received by EHS ________________________________ Sign and Date ________________________________
Lockout/ Tagout Procedure Sheet

Equipment Name _________________________________   Equip. Number ____________________

Description ________________________________________________________________________

Location (provide as much detail as possible): Building Name ________________________________
       Room Number __________ Room Name and other details ____________________________________

Associated equipment that will be affected: ______________________________________________

Type of Energy Source and Description:
Check all that apply:
___ 1. Electrical (please circle) 120v 280v 240v 480v
___ 2. Hydraulic (please circle) Main Source Secondary Source Supply Return
___ 3. Pneumatic (please circle) Main Source Secondary Source Supply Return
___ 4. Gas (please circle) Main Source Secondary Source Supply Return
___ 5. Water (please circle) Main Source Secondary Source Supply Return
___ 6. Other (please specify in detail) _____________________________________________

Device used on #: (A) Disconnect (B) Breaker (C) Plug (D) Valve
1. _______ 2. _______ 3. _______ 4. _______ 5. _______ 6. _______

Location of LOTO on Equipment (please circle): Front Side Back Side Top Side Bottom Side
       Left Side Right Side North Side South Side East Side West Side

Hazardous Stored Energy Condition to Avoid (explain): _____________________________________

Power Down Time: No Yes: length of time ___________ Power Up Time: No Yes: length of time __________

Affected Employees/Department: _______________________________________________________

Authorized Employee Writing Procedure ______________________________ Date ____________

Authorized Employee Verifying Procedure _____________________________ Date ____________
Exceptions to Written Procedures under LO/TO
1910.147(c)(4)

Energy control procedure

1910.147(c)(4)(i) Procedures shall be developed, documented and utilized for the control of potentially hazardous energy when employees are engaged in the activities covered by this section.

Note: Exception: The employer need not document the required procedure for a particular machine or equipment, when all of the following elements exist:

(1) The machine or equipment has no potential for stored or residual energy or reaccumulation of stored energy after shut down which could endanger employees;

(2) the machine or equipment has a single energy source which can be readily identified and isolated;

(3) the isolation and locking out of that energy source will completely deenergize and deactivate the machine or equipment;

(4) the machine or equipment is isolated from that energy source and locked out during servicing or maintenance;

(5) a single lockout device will achieve a locker-out condition;

(6) the lockout device is under the exclusive control of the authorized employee performing the servicing or maintenance;

(7) the servicing or maintenance does not create hazards for other employees; and

(8) the employer, in utilizing this exception, has had no accidents involving the unexpected activation or reenergization of the machine or equipment during servicing or maintenance.