

**WAC 296-54-517 Lockout/tagout procedures.** (1) You must establish and implement written procedures for lockout/tagout to prevent the accidental start up or release of stored energy of machinery that is shut down for repairs, maintenance, or adjustments.

(2) Lockout/tagout procedures must contain specific steps for:

(a) Shutting down, blocking, and securing machines to control hazardous energy;

(b) Locking and/or tagging out machinery; and

(c) Release from lockout/tagout.

(3) Lockout/tagout procedure details must include at least the following:

(a) Employees performing maintenance, repairs, or adjustments have knowledge of the hazardous energy to be controlled and the means to control the energy.

(b) Machine shutdown.

(c) Apply brakes, swing locks, etc.

(d) Place the transmission in the manufacturer's specified park position.

(e) Lower to the ground or secure each moving element such as, but not limited to, blades, booms, grapples, buckets, saws, and shears to prevent a release of stored energy.

(f) Shut down machinery and ensure that a responsible person removes and maintains possession of the ignition/master key.

(g) Engage hydraulic safety locks when applicable.

(h) Before working on hydraulic or air systems, relieve pressure by bleeding tanks or lines and operate controls to dissipate residual stored energy (pressure).

(i) Place lockout and/or tagout device.

(4) Before lockout or tagout devices are removed and machinery is started, the work area must be inspected to ensure that all tools have been removed, guards are replaced, and employees are in the clear.

(5) You must provide padlocks and/or tags for locking and/or tagging out machinery that are durable enough to withstand the environment.

(6) Tags must have a legend such as "do not start" or "do not operate." Tags must be placed so they are obvious to anyone attempting to operate the machinery.

Note: In lockout, padlocks are commonly used to prevent access to ignition/master switches or battery disconnects.

(7) Stored or residual energy such as that in elevated machine members, rotating saws, hydraulic systems, air pressure and springs, must be dissipated or restrained by methods such as grounding, repositioning, blocking, chaining, bleeding down, etc.

(8) You must provide training to ensure that the purpose and function of the lockout/tagout program are understood by employees performing maintenance, repairs, or adjustments covered by this section. This program must be reviewed at least annually and training provided as needed. This training may be accomplished through safety meetings.

Note: See appendix 2 for a sample lockout/tagout program (energy control program).

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060, and chapter 49.17 RCW. WSR 17-17-131, § 296-54-517, filed 8/22/17, effective 10/22/17. Statutory Authority: RCW 49.17.010, [49.17].040 and [49.17].050. WSR 99-17-117, § 296-54-517, filed 8/18/99, effective 12/1/99. Statutory Authority: RCW 49.17.040, 49.17.050, 49.17.240, chapters 43.22 and 42.30 RCW. WSR 80-11-057 (Order 80-15), §

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