

OCCUPATIONAL SAFETY

ENSURE WIDEST DISSEMINATION Hazardous Energy Control Steps

What must workers do before they begin service or maintenance activities?

Before beginning service or maintenance, the following steps must be accomplished in sequence and according to the specific provisions of the employer's energy-control procedure:

- (1) Prepare for shutdown.
- (2) Shut down the machine.
- (3) Disconnect or isolate the machine from the energy source(s).
- (4) Apply the lockout or tag-out device(s) to the energy-isolating device(s).
- (5) Release, restrain, or otherwise render safe all potential hazardous stored or residual energy. If a possibility exists for re-accumulation of hazardous energy, regularly verify during the service and maintenance that such energy has not re-accumulated to hazardous levels.
- (6) Verify the isolation and de-energization of the machine.



Before removing lockout or tagout devices, the employees must take the following steps in accordance with the specific provisions of the employer's energy-control procedure:

-Inspect machines or their components to assure that they are operationally intact and that nonessential items are removed from the area.

-Check to assure that everyone is positioned safely and away from machines.

After removing the lockout or tagout devices, but before reenergizing the machine, the employer must assure that all employees who operate or work with the machine, as well as those in the area where service or maintenance is performed, know that the devices have been removed and that the machine is capable of being reenergized.

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LESSONS LEARNED

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