Chapter 51: Control of Hazardous Energy

Quick Start Summary

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URL: https://www-group.slac.stanford.edu/esh/eshmanual/references/coheQuickstart.pdf

1 Who needs to know about these requirements

The requirements of the Control of Hazardous Energy (CoHE) program apply to workers performing service and maintenance\(^1\) of machines, equipment, or systems where hazardous energy may be present (for example, electrical, thermal, mechanical, hydraulic, pneumatic, chemical, and ionizing and non-ionizing radiation), their supervisors; equipment designers, custodians, and owners; LOTO inspectors; project managers, field construction and service managers, and points of contact; the CoHE program manager, related ESH program managers; and associate laboratory directors. The program also covers administrative lock and tag control, which may involve the lockout of equipment for configuration or operational purposes, but which may not be used alone to protect workers from hazardous energy.

2 Why

Exposure to hazardous energy from the unexpected energization or start-up of machines, equipment, or systems can cause serious injury or death.

3 What do I need to know

Each worker must have control over hazardous energy that could be encountered during service and maintenance of equipment. A hazard analysis is required to confirm the presence of hazardous energy. If hazardous energy is confirmed the appropriate lockout procedure must be used. Simple lockout may be performed under the simple lockout procedure; complex lockout (involving for example multiple energy sources, crews, crafts, or locations) requires either a group or equipment-specific lockout procedure. Under these procedures authorized workers may begin work only after they have placed their personal lock(s) on the energy isolating device(s) or group lockout device in accordance with the applicable procedure: no worker may work under another worker’s lock.

4 When

These requirements take effect 5 July 2022.

5 Where do I find more information

SLAC Environment, Safety, and Health Manual (SLAC-I-720-0A29Z-001)
- Chapter 51, “Control of Hazardous Energy”

Or contact the program manager.

\(^1\) Service and maintenance includes activities such as constructing, installing, setting up, adjusting, inspecting, modifying, demolishing, and maintaining and/or servicing machinery or equipment.