

LOCKOUT/TAG-OUT ENERGY CONTROL

WRITTEN PLAN

Intermediate School District 917

July 2021

Purpose

This procedure establishes the minimum requirements for controlling hazardous energy whenever maintenance or repair is done on machinery at our sites. It is used to ensure that the machine or equipment is stopped, isolated from all potentially hazardous energy sources and locked out before employees perform any servicing or maintenance where the unexpected energization or start-up of the machine or equipment or release of stored energy could cause injury.

Authorized and Affected Employees

Authorized employees subject to the requirements of this program and to be trained on their duties within it include all staff from the following programs: Alliance Education Center, Food Industry Careers, Fundamental Chef Training, Construction Trades, Heavy Duty Truck Technology, Total Auto Care – Vehicle Service and Auto Body, Graphic Communications, Special Education Employment Training Laboratory, Health and Safety.

Machinery and Equipment

The machinery and equipment in this facility that falls under the Control of Hazardous Energy Standard includes the following: Any equipment which is hard wired (not cord/plug operated) including: univents, exhaust and circulating fans at Alliance Education Center, garbage disposals, refrigerators, all lights at Alliance Education Center, and automatic garage doors.

Lockout is the preferred method of isolating machines or equipment from energy sources. Tag-out is to be performed instead of lockout only when there is no way to lockout a machine.

Lockout/Tag-out Procedures

Affected employees are notified verbally when their machine is to be locked out by the authorized employee who will be performing the lockout.

The machinery and equipment listed above follows these shutdown, isolation, blocking and securing procedures for lockout/tag-out:

- 1) The authorized employee shall determine the type and magnitude of the energy that the machine or equipment utilizes, shall understand the hazards of the energy and shall know the methods to control the energy.
- 2) If the machine or equipment is operating, shut it down by the normal stopping procedure (depress the stop button, open switch, close valve, etc.)
- 3) Deactivate the energy isolating device(s) so that the machine or equipment is isolated from the energy source(s).
- 4) Lock out the energy isolating device(s) with assigned individual lock(s.)
- 5) Stored or residual energy (such as that in capacitor, springs, elevated machine members, rotating flywheels, hydraulic systems, and air, gas, steam, or water pressure, etc.) must be dissipated or restrained by methods such as grounding, repositioning, blocking, bleeding down, etc.
- 6) Ensure that equipment is disconnected from the energy source(s) by first checking that no personnel are exposed, then verify the isolation of the equipment by operating the push button or other normal operating control(s) or by testing to make certain the equipment will not operate. Then return the operating control(s) to neutral or "off" position after verifying the isolation of the equipment.

The machinery and equipment listed above follows these lockout removal and restart procedures:

Check the machine or equipment and the immediate area around the machine to ensure that non-essential items have been removed and that the machine or equipment components are operationally intact.

- 1) Check the work area to ensure that all employees have been safely positioned or removed from the area.
- 2) Verify the controls are neutral.
- 3) Remove the lockout devices and re-energize the machine or equipment.
- 4) Notify affected employees that the servicing or maintenance is completed and the machine or equipment is ready for use.

Written procedures for equipment with multiple energy sources, such as soil or gas space heaters, will be kept in the area where the equipment is located.

Lockout/Tag-out equipment will be the responsibility of Scott Zehnder, Lead Custodian, and individual instructors. Lockout/Tag-out equipment will be kept in a box in the Custodial office at Alliance Education Center and in the DCALS Office such that the equipment is accessible. Equipment including: tags, locks, chain and breaker locks will be ordered from the Health and

Safety Coordinator in the District Administration Office.

Periodic Inspection

A periodic inspection is done, looking at the energy control procedures performed to ensure that the procedure and requirements of the standard are being followed. This inspection is performed by a consultant.

Administrative Duties

Linda Berg has overall responsibility for coordinating safety and health programs in this district. She is the person having overall responsibility for the Lockout/Tag-out Program. Linda Berg will review and update the program, as necessary. Copies of the written program may be obtained from Linda Berg in the District Administration Office located in Dakota County Technical College.

Discipline

Employees who do not use Lockout/Tag-out to control energy will be considered insubordinate and disciplined according to their contract.

Training and Certification

Annual training will be provided by SafeSchools Online Training to authorized employees. Annual review to certify that building employees are able to perform lockout/tag-out will be done by Scott Zehnder and Eric VanBrocklin.

Outside Contractors

Outside contractors who work on equipment or machinery in the buildings will be shown this plan, prior to doing any work where lockout/tag-out is required. Outside contractors shall use lockout/tag-out whenever the unexpected energization, start up, or release of stored energy could injure. The outside contractor will be responsible for informing affected employees when they plan to use lockout/tag-out. Outside contractors shall provide their own lockout/tag-out equipment.