

Subject: Control of Hazardous Energy (Lockout/Tagout)	Effective Date: Nov. 6, 2015	Initiated by: Head, Engineering and Technical Infrastructure
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Management System : 03.00 Engineering
Management System Owner: Associate Director for Engineering and Infrastructure
Management Process: 03.07 Conduct of Operations
Process Owner: Associate Director for Engineering and Infrastructure
Sub-Process: 03.07.08 Lock-outs and Tag-outs
Sub-Process Owner: Associate Director for Engineering and Infrastructure
Subject Matter Experts (SMEs): Head, ES&H; ES&H Electrical Safety Specialist; Head, Electrical Engineering Power Branch; AC Power Senior Engineer

1.0 INTRODUCTION

This document describes PPPL’s Hazardous Energy Control Program. This program is required by law (29CFR1910.147) and by that law is to be used for **personal injury protection and personal safety only**. This document establishes the minimum requirements for lockout/tagout (LOTO) of energy isolating devices at PPPL whenever maintenance, servicing or modifications are done on machines, systems or equipment. It shall be used to ensure that the machine, system or equipment is stopped, isolated from all potentially hazardous energy sources and locked out before employees perform any servicing, maintenance or modification where the unexpected energization or start-up of the machine, system or equipment, or release of stored energy, could cause injury.

2.0 APPLICABILITY

All employees are required to comply with the restrictions and limitations imposed upon them during the use of lockout/tagout. Authorized employees are required to perform lockout/tagout in accordance with this procedure. All employees, upon observing a machine or piece of equipment which is locked and tagged out to perform servicing or maintenance shall not attempt to start, energize, or use that machine or equipment. When a lock and tag is attached to an energy isolating device, it is not to be removed without approval of the authorized person responsible for attaching it, and it is never to be bypassed, ignored, or otherwise defeated. **Unauthorized removal will subject the offender to disciplinary action or dismissal.**

Exception: Work on cord, plug or hose connected equipment for which exposure to the hazards of unexpected energization or start up of the equipment is controlled by the unplugging or disconnecting of the equipment from the energy source and by the plug or connector being under the exclusive control and within sight of the employee performing the servicing or maintenance.

PPPL Danger Tags and red locks, as shown in this document, shall not be used for any other purpose other than Personal injury protection and personal safety only. Employees and supervisors shall ensure that these devices are not used for configuration control, equipment status control or other administrative control.

2.1 UNRESOLVED LOTO SITUATIONS

Whenever a lockout/tagout procedure is questioned as to its adequacy or involves circumstances beyond those anticipated by regulations or standards, an equivalency determination shall be made by the PPPL ES&H Executive Board (ESH/EB). The Electrical Safety Committee (ESC) shall review the facts of the lockout/tagout procedure and make a recommendation to the ESH/EB. The ESH/EB will make the equivalency determination.

3.0 ATTACHMENTS

1. Red Lock Examples
2. Danger Tag Examples

4.0 REFERENCE DOCUMENTS

29CFR1910.147	Control of Hazardous Energy (Lockout/Tagout)
29CFR1910.333	Electrical Safety Related Work Practices
NFPA 70E	Electrical Safety in the Workplace
DOE O 422.1	Conduct of Operations
ESHD 5008	PPPL Environmental, Safety, and Health Directive
P-038	Control of Hazardous Energy Sources Policy
ESH-001	Use of Safety, Accident Prevention and Equipment Protection Tags
ESH-004	Job Hazard Analysis
ENG-030	PPPL Technical Procedures
ENG-011	Interlock Key Control
ANSI B56.1	Safety Standard for Low Lift and High Lift Trucks

5.0 DEFINITIONS

5.1 ADMINISTRATIVE LOCK

Any lock, other than a red lock, used for a purpose other than LOTO. The lock may serve a safety function other than LOTO, a configuration control function or other purpose.

5.2 ADMINISTRATIVE TAG

A tag used for any other purpose than LOTO. Administrative locks and tags are covered in ESH-001.

5.3 AFFECTED EMPLOYEE (E)

An employee whose job requires him/her to operate or use a machine or equipment on which servicing, maintenance or modification is being performed under lockout/tagout, or whose job requires him/her to work in an area where such activities are being performed. An Affected Employee can become an Authorized Employee when that employee's duties and training include servicing, modification or maintenance on the Locked/Tagged system or equipment.

5.4 AUTHORIZED EMPLOYEE (AE)

A person who locks and tags out machines, systems or equipment in order to perform servicing, modification or maintenance. He/she will know the system, its hazards, and the means of isolating the energy and hazards. In a Complex (Group) Lockout/Tagout situation, this individual must attach his/her own RED lock and PPPL Danger tag to the lock box. Authorized employees must have the opportunity to verify energy isolation in a group lockout/tagout before commencing work each day (or shift).

5.5 COMPLEX (GROUP) LOTO

A Complex LOTO procedure shall require a written plan of execution when one or more of the following conditions exist; multiple energy sources, multiple disconnecting means, multiple crews, crafts or employers, multiple locations, particular sequences, or tasks that continue for more than one work period.

5.6 ENERGY ISOLATING DEVICE

A mechanical device that physically prevents the transmission or release of energy, including but not limited to the following: A manually operated electrical circuit breaker; a disconnect switch; a manually operated switch by which the conductors of a circuit can be disconnected from all ungrounded supply conductors, and in addition, no pole can be operated independently; a line valve; a block; and any similar device used to block or isolate energy. Push buttons, selector switches and other control circuit type devices are not energy isolating devices.

5.7 ENERGY SOURCE

Any source of electrical, mechanical, hydraulic, pneumatic, chemical, thermal, or other energy. Here at PPPL, this includes cryogenic and radiation energy sources.

5.8 LOCKOUT INSPECTIONS

Active LOTOs and LOTO documentation require periodic inspection and review for proper compliance. The RLM or designee will check LOTOs and records periodically typically annually or at the discretion of the RLM. Access procedure completion sign offs as determined in the procedures meet this requirement or the RLM can document reviews in LOTO or system logs or per management assessment procedure QA-025.

5.9 KIRK KEY INTERLOCK

An installed captive key safety interlock system designed to control sequencing and/or access.

5.10 LOCK BOX

A lockable box, used by a Primary Authorized Employee for Complex (Group) Lockout/Tagout situations, into which all keys, tag stubs, and/or interlock keys are placed, and onto which each Authorized Employee attaches their lock and tag. The Primary Authorized Employee is the first lock and tag to be attached and the last to be removed.

5.11 LOCKOUT

The placement of a lock on an energy isolating device, in accordance with established procedure, ensuring that the equipment cannot be operated until the lock and tag have been removed from the lockout device. Locks are always applied with Tags.

5.12 LOCKOUT DEVICE

A device that accepts a lock to hold an energy isolating device in the safe position to prevent the energizing of equipment.

5.13 PRIMARY AUTHORIZED EMPLOYEE (PAE)

A line management designated, authorized employee who has the responsibility for supervising a number of authorized employees working under a complex (group) Lockout/Tagout. He/she will have overall responsibility for the locking and tagging out of a machine, system or equipment. This individual must know the system, its hazards, and the means of isolating the energy and hazards. He/she will also be responsible for establishing the LOTO for a job, performing the pre-job brief (including review of job hazards; see **ESH-004 "Job Hazard Analysis"**) and restoration of equipment or systems when work is complete.

5.14 RECORD KEEPING

At a minimum, all LOTO tags must be completed and returned to the person or location designated by the RLM, as confirmation of the end of the LOTO. The tag will serve as a LOTO record and the designated person will be the Records Coordinator.

Optionally, the RLM may also choose to track LOTO activity in an area by using: a designated LOTO Record Custodian(s) and recording method such as a log system; or use of Switching Orders, PM Orders, or Work Orders that contain the relevant information.

The LOTO tags (record) shall contain identification of the AE or PAE applying the tag (and their contact information), the LOTO tag number, the reason for application of the LOTO, the equipment or system requiring the LOTO, and the date(s) the LOTO began.

5.15 SIMPLE (PERSONAL) LOTO

Involves only an Authorized Employee de-energizing one set of conductors, or one circuit part, or one energy source for the sole purpose of safeguarding the employee from exposure to hazards. Simple, Single Source, LOTO shall not require a written procedure.

5.16 TAGOUT

The placement of a tag on an energy isolating device, in accordance with established procedure, to indicate that the energy isolating device and the equipment being controlled may not be operated until the tag is removed from the lockout device.

5.17 VERIFICATION

A process to be followed by the authorized employee, prior to starting work on machines or equipment that have been locked out or tagged out, to ensure that isolation and de-energization of the machine or equipment have been accomplished (e.g., zero voltage, zero pressure, ambient temperature checks, etc.).

6.0 REQUIREMENTS FOR LOTO PROCEDURES

6.1 ALL PPPL LOCKOUT/TAGOUTS ARE PERFORMED IN ACCORDANCE WITH A PROCEDURE

All PPPL lockout/tagouts are performed in accordance with a procedure, either the generic procedure of Section 7.0 (SIMPLE (PERSONAL) LOCKOUT/TAGOUT), for Simple LOTO with one lock and one tag) or using an equipment specific procedure as described in Section 6.3 (Criteria for the Specific LOTO Procedures, for Complex LOTO situations). Complex LOTO procedures shall also include the elements of Section 8.0 (COMPLEX (GROUP) LOCKOUT/TAGOUT).

LOTO Locks, keys and tags for LOTO are maintained per RLM discretion in appropriate areas of C site and D site.

6.2 CRITERIA FOR THE GENERIC PROCEDURE OF SECTION 7.0

The generic procedure of Section 7.0 may be used provided all of the following criteria are met:

Nine Criteria for No Written Equipment SIMPLE (Personal) LOTO Specific Procedure

1. The machine, system or equipment has no potential for stored or residual energy or re-accumulation of stored energy after shut down which could endanger employees;
2. The machine, system or equipment has a single energy source which can be readily identified and isolated;
3. The isolation, locking and tagging of that energy source will completely de-energize and deactivate the machine or equipment;

4. The machine, system or equipment is isolated from that energy source and is locked and tagged out during servicing, maintenance or modification;
5. A single lockout device will achieve a locked-out condition;
6. The lockout device is under the exclusive control of the authorized employee performing the work (one person – one lock);
7. The servicing or maintenance does not create hazards for other employees;
8. There have been no accidents involving the unexpected activation or re-energization of the machine, system or equipment during servicing, maintenance or modification; and
9. There is no planned transfer of responsibility for the LOTO from one worker to another.

6.3 CRITERIA FOR THE SPECIFIC LOTO PROCEDURES

When required, equipment specific LOTO procedures shall be prepared and shall clearly and specifically outline the scope, purpose, authorization, rules, and techniques to be utilized for the control of hazardous energy, and the means to enforce compliance including, but not limited to, the following:

Four Items for a Written Equipment-COMPLEX (Group) LOTO Specific Procedure

1. A specific statement of the intended use of the procedure;
2. Specific procedural steps for shutting down, isolating, blocking and securing machines, systems or equipment to control hazardous energy;
3. Specific procedural steps for the placement, removal and transfer of locks and tags on lockout devices and the responsibility for them (see 9.6 for testing considerations); and
4. Specific requirements for testing a machine, system or equipment to determine and verify the effectiveness of lockout devices and other energy control measures.

For the purposes of LOTO, ‘equipment specific procedure’ includes (but is not restricted to) work orders (Maintenance and Operations (M&O)), Preventive Maintenance order (M&O and Engineering), switching orders (AC Power), statement of work or other formal procedure (prepared in accordance with ENG-030) – **provided they meet the above criteria in 6.3.**

6.4 SYSTEMS OR EQUIPMENT UTILIZING KIRK KEYS

Systems or equipment utilizing kirk keys, locks and tags for shutdown, or ‘safeing’ procedures, may be used for lockout/tagout provided the primary authorized employee implementing the shutdown or safeing procedure provides a lockbox or equivalent method (e.g. A multi-lock hasp) for any authorized employee working on the system or equipment to have positive control of the energy isolating devices (as in complex (group) LOTO). Kirk keys are used and controlled in accordance with ENG-011.

7.0 SIMPLE (PERSONAL) LOCKOUT/TAGOUT

Each Authorized Employee shall perform the following procedure to ensure that before any servicing, maintenance or modification is performed on a system or equipment where the unexpected energizing, startup or release of stored energy could occur and cause injury, it is isolated from the energy source and rendered inoperative.

A. Simple (Personal) Lockout/Tagout Application

- Authorized Employee**
1. Identify equipment to be serviced, modified, or maintained and its energy sources.
 2. Determine if an equipment specific procedure is required (see the Nine Criteria in Section 6.2). If so, obtain RLM approved

procedure (including the Four Items of Section 6.3) and perform LOTO in accordance with that procedure, otherwise proceed to next step.

3. Review Job Hazards analysis for LOTO.
4. Notify Affected Employees of intent to shut down and LOTO equipment or system.
5. If the equipment or system is operating, shut it down by normal stopping procedure (this may require Affected Employee support).
6. Operate the energy isolating device to isolate the equipment or system from the energy source with all controls and hazardous equipment in safe position.
7. Apply lock and tag, with all fields filled out, to the lockout device with red lock and PPPL Danger tag (see exhibits).
8. Relieve, disconnect, restrain or otherwise render safe, all potentially hazardous stored or residual energy.
9. Perform verification of isolation and de-energization of the system or equipment (attempt to start, zero voltage check, controls and hazardous equipment in safe position, etc.).
10. Give Affected Employees the opportunity to apply their own locks and tags to the overall LOTO as appropriate for their assigned work in the area. Affected Employees must apply their own locks and tags for supervised work within the equipment rendered safe.
11. For Simple LOTO's that span more than 1 shift, the AE will inspect and verify daily that equipment conditions affecting safety have not changed.

B. Simple (Personal) Lockout/Tagout Removal

Authorized Employee

1. Upon completion of the work, check the system or equipment and the immediate surrounding area to ensure that nonessential items have been removed and that the systems or equipment components are operationally intact.
2. Check the work area to ensure that all employees have been safely positioned or removed from the area.
3. Verify that the controls are in neutral.
4. Verify that positions of locked components and associated equipment are in position as required for restart and operation.

5. Remove lock and tag from the lockout device(s) and re-energize the machine or equipment.
6. Provide completed tags to the person (e.g., Records Coordinator) or location designated by the RLM, as confirmation of the end of the LOTO per Section 5.14.
7. Notify affected employees that the servicing or maintenance is completed and the machine or equipment is ready for use.

8.0 COMPLEX (GROUP) LOCKOUT/TAGOUT

When servicing, maintenance or modification is performed by a crew, craft, department or other group, the Primary Authorized Employee shall perform the following procedure to ensure that before any employee performs any servicing or maintenance on a machine or equipment where the unexpected energizing, startup or release of stored energy could occur and cause injury, the machine or equipment is isolated from the energy source and rendered inoperative. All Authorized Employees are required to attach a lock and tag to the lockbox or control mechanism. Other requirements are listed in Section 6.3.

A. Complex (Group) Lockout/Tagout Application

- | | |
|-----------------------------|---|
| Primary Authorized Employee | <ol style="list-style-type: none"> 1. Identify equipment to be serviced, modified, or maintained and its energy sources. 2. Obtain RLM approved equipment specific procedure and perform LOTO in accordance with that procedure and the following steps. |
| Primary Authorized Employee | <ol style="list-style-type: none"> 3. Notify Affected Employees of intent to shut down and LOTO equipment or system. Review LOTO Job Hazard Analysis (JHA). 4. If the equipment or system is operating, shut it down by normal stopping procedure (this may require Affected Employee support). 5. Operate the energy isolating device to isolate the equipment or system from the energy source. 6. Lock and Tag the energy isolating device with red locks and PPPL Danger tags (see exhibits) with all fields filled out. 7. Relieve, disconnect, restrain or otherwise render safe, all potentially hazardous stored or residual energy. |
| Primary Authorized Employee | <ol style="list-style-type: none"> 8. Perform verification of isolation and de-energization of the system or equipment (attempt to start, zero voltage check, controls and hazardous instruments in safe position, etc.). 9. Establish a lockbox or other control mechanism, with all keys and stubs, and using a gang hasp, attach lock and tag. The |

Primary Authorized Employee must indicate PAE on his/her tag.

10. Perform pre-job brief with crew, craft or group working on system or equipment in accordance with ENG-030 requirements, including review of JHA.

11. Give Affected Employees the opportunity to apply their own locks and tags to the lockbox as appropriate for their assigned work in the area. Affected Employees must apply their own locks and tags to the lockbox for any work on the equipment or system rendered safe (and would then be considered Authorized Employees).

Authorized Employees

12. All Authorized Employees shall attach their lock and tag to the lockbox or control mechanism.

13. Upon completion of their work, all Authorized Employees shall remove their locks and tags from the lockbox or control mechanism and provide completed tags to the person (e.g., Records Coordinator) or location designated by the RLM.

Primary Authorized Employee

14. For Group LOTO's that span more than 1 shift, the Primary Authorized Employee and all Authorized Employees will verify daily that equipment conditions affecting safety have not changed.

B. Complex (Group) Lockout/Tagout Removal

Primary Authorized Employee

1. Check the system or equipment and the immediate surrounding area to ensure that nonessential items have been removed and that the systems or equipment components are operationally intact.

2. Check the work area to ensure that all employees have been safely positioned or removed from the area.

3. Verify that the controls are in neutral.

4. Oversees removal of locks and tags from the lockout devices and re-energize the machine or equipment.

5. Provide completed tags to the person (e.g., Records Coordinator) or location designated by the RLM, as confirmation of the end of the LOTO per Section 5.14..

6. Notify affected employees that the servicing or maintenance is completed and the machine or equipment is ready for use.

9.0 SPECIAL CONSIDERATIONS

9.1 USE OF LOCKS AND TAGS

A lock and tag shall be affixed to each lockout device by an authorized employee and shall be affixed in a manner that will hold the energy isolating devices in a "safe" or "off" position.

Tags shall be properly filled out and affixed in such a manner to clearly indicate that the operation or movement of energy isolating devices from the "safe" or "off" position is prohibited.

Safety interlocks [e.g., Kirk locks] may be used in lieu of standard locks in the lockout/tagout process provided the Kirk-locked device is an energy isolating device and the removal of the Kirk-key prevents operation. When a Kirk lock is employed in the lockout/tagout process, a PPPL Danger Tag must be affixed to the Kirk lock or the operating handle of the device and the use of the Kirk lock device documented in the appropriate procedure (if applicable).

9.2 CUSTODY OF KEYS

Locks unique to LOTO as described and shown in Attachment 1, Locks, shall be used for LOTO except for Kirk key secured equipment. The AE or PAE shall maintain possession of the key for their personal LOTO lock attached to the device or lockbox for the duration of the LOTO.

9.3 TAG WITHOUT A LOCK

A tag without a lock on an energy isolating device is Restricted at PPPL. To meet this requirement, there are three options:

1. Modify the energy isolating device to be capable of being locked open/closed, or
2. Use a temporary locking device to lock the isolating device in the open/closed position, or
3. Establish a safety watch in the vicinity of the energy isolating device for the duration of the work.

If none of the above can be accommodated, approval for the Tagout-only usage is required from both the ES&H Electrical Safety Specialist and Head of Engineering.

9.4 LOCK AND TAG REMOVAL

Locks and tags shall be removed from each energy-isolating device by the employee who applied them and the completed tags must be provided to the person (e.g., Records Coordinator) or location designated by the RLM.

Exception: When the authorized employee who applied the lock and tag on the lockout device is not available to remove it or the lock needs to be removed by means other than the key, the lock and tag may be removed under the direction of the Responsible Line Manager (see below).

Prior to device removal it must be verified by the Responsible Line Manager that the authorized employee who applied the lock and tag is not at the facility and all reasonable efforts have been made to contact the authorized employee to inform him/her that his/her lock and tag is to be removed or that all reasonable efforts have been made to find the key.

If the lock and tag must be cleared and the authorized employee is not available or the key is not available, the Responsible Line Manager (RLM) will designate another authorized employee along with the ES&H Electrical Safety Specialist (or his designee) to walk down the system (with the existing lockout/tagout procedure if available) to determine that the lock and tag can be safely cleared. The newly authorized employee shall remove the existing lock and tag and, if appropriate, attach his/her own lock and tag. The RLM and ES&H Electrical Safety Specialist (or his designee) will each

sign the appropriate steps of the Lockout/Tagout Transfer Form, retained by ES&H Electrical Safety Specialist, documenting the removal of the lock and tag per this procedure.

The original authorized employee must be notified of the lock and tag removal before he/she resumes work at PPPL (if appropriate).

9.5 SHIFT OR PERSONNEL CHANGES

For situations where responsibility for a LOTO will be transferred from one Authorized Employee (or Primary Authorized Employee in Complex (Group) LOTO situations) to another, the transfer shall be described in an equipment specific procedure or in accordance with a procedure produced in accordance with ENG-030 by the Responsible Line Manager and Accountable Technical Individual.

9.6 TESTING – TEMPORARY LOTO REMOVAL

For situations in which locks and tags must be temporarily removed from a lockout device to test or position a machine, system, equipment or component, the following sequence of actions shall be followed (and documented in the applicable written procedure):

**Authorized Employee
or**

1. Clear the machine or equipment of tools and materials per Section 8.0 or the equipment specific procedure.

**Primary Authorized
Employee**

2. Notify Authorized Employees, and Affected Employees per Section 8.0 or the equipment specific procedure.

3. Verify that planned test or positioning of the machine, system, equipment or component can be accomplished safely.

4. Remove the locks and tags as specified in Section 8.0 or the equipment specific procedure.

5. Energize and proceed with testing or positioning

6. De-energize all systems and reapply energy control measures (LOTO) to continue the servicing and/or maintenance.

7. Complete Zero energy checks and attempt to re-start.

8. Notify the other Authorized Employees and Affected Employees.

9.7 WHEN A LOTO IS ENCOMPASSED BY ANOTHER LOTO

When a LOTO is encompassed by another LOTO, and if the original LOTO must be removed, it shall be removed in accordance with paragraph 9.4.

10.0 ADMINISTRATIVE

10.1 PERIODIC REVIEW

The Safety Division Electrical Safety Specialist will conduct documented periodic inspections of the energy control procedures at least annually to insure that the requirements of this procedure and the OSHA standard and NFPA 70E. The inspection will recommend corrective actions and/or retraining for any deviations or inadequacies. Authorized Employees are responsible for ensuring that their LOTO inspections are performed each year.

10.2 TRAINING

All Authorized Employees and PAEs shall have LOTO training with a refresher every three years. Scope of training shall encompass requirements in this document and include the impact of LOTO on facility operations.

10.3 SUB CONTRACTORS

Princeton Technical Representatives shall assure that subcontractors at PPPL for 40 hours or more, receive LOTO training and follow this procedure or establish a PPPL employee as a Primary Authorized Employee establishing a Complex (Group) LOTO situation. All subcontractors working at PPPL for less than 40 hours per year may not require LOTO training if the equipment or a system they are to work on is under a previous LOTO by a PPPL PAE and is considered to be a General Access area per ESHD 5008 4.12.1.

11.0 TRAINING (SECTION REQUIRED FOR ALL PROCEDURES)

- | | |
|-----------------------|---|
| Supervisor | <p>1. Ensures the following training is provided.</p> <p>A. Target Audience: Any one working on energy using equipment.
All Authorized Employees and all Primary Authorized Employees.
Instructor: Online
Training Method:
<u> X </u> Online</p> <p>Frequency:
<u> X </u> Other: Initial training</p> |
| Subject Matter Expert | <p>2. Ensures the following training is provided.</p> <p>A. Target Audience: Any one working on energy using equipment.
All Authorized Employees and all Primary Authorized Employees.
Instructor: Subject Matter Expert
Training Method:
<u> X </u> Briefing (For changes to Procedure)</p> <p>Frequency:
<u> X </u> Other: Before work commences (for changes)</p> |
| Supervisor | <p>3. Ensures the following training is provided.</p> <p>A. Target Audience: Any one working on energy using equipment.
All Authorized Employees and all Primary Authorized Employees.</p> |

Instructor: Online
 Training Method:
 Online

Frequency:
 Other: Every 3 years (renewal)

12.0 RECORDS REQUIREMENTS SPECIFIC TO THIS PROCEDURE

Records Custodians must assure records are maintained as follows:

Record	Record Custodian	Location	Retention Time
LOTO Records and Completed Tags	Assigned by Department or Project	Various	Destroy 1 yr after completion of work <i>Reference: Admin 17 (15)</i>
Access/Safeing Procedures	Assigned by Department or Project	Various	Destroy when superseded Hold indefinitely - DOE <i>Reference: Admin 17 (22.a.1)</i>

Locks

The standard lock for personal lockout is uniquely identified by the red band around the bottom. These locks shall not be used for purposes other than personal lockout/tagout. They shall only be used for locking out equipment or attached to a lock box.



Lockout Devices



Danger Tags

These tags are only to be used for the personal protection of employee(s) while working on equipment under the LOTO program. They shall not be used for any other purpose.



Front

Back

Warning: When a lock and/or tag is attached to an energy isolating means, it is not to be removed without authorization of the authorized person responsible for it, and it is never to be bypassed, ignored, or otherwise defeated. Unauthorized removal will subject the offender to disciplinary action or dismissal.