

Southern Company Generation

SCG-SH-0201

LOCKOUT/TAGOUT (LOTO) PROCEDURE

Revision	Approval Date	Approved by	Title
0	June 9, 2016	7 jm allang	Executive Vice President and Chief Production Officer
1	January 1, 2018	Kin & Greene	Executive Vice President and Chief Production Officer
2	May 13, 2024	Entime Reg.	Executive Vice President – Operations

Contents

1.0)	PURPOSE AND SCOPE	. 3
		Purpose	
	1.2	Scope	. 3
2.0)	DEFINITIONS AND REFERENCES	
	2.1	Definitions	
	2.2	References	
3.0)	RESPONSIBILITY	
	3.1	Plant Manager	
		Operating Area Manager	
		LOTO Administrator	
	_	Authorized List Administrator	
	3.5	Requestors	13
		Operating Area Leader (OAL)	
		Primary Authorized Employee (PAE)	
		Operating Area Authorized Employee (OAAE)	
		Verifier	
	-	LOTO Holder	_
		LOTO Coordinator	
		Non-Listed Worker.	
4.(TRAINING	
		LOTO Awareness Training	
		Authorized Worker Training	
		Department Training and Proficiency Requirements	
		Authorized List	
5.0		PROCEDURE	
	5.1	Routine Lockout/Tagout (LOTO)	
	5.2	Simple LOTO	
	5.3	Develop LOTO Record	
	5.4	Isolate Equipment	
		Verify Isolation	
		Perform Work	
	5.7	Maintenance Release	
		Work Completed	
		Release LOTO	
		Suspend Work	
		0	34
		Modify Boundary	
		Non-Listed/Visitor Lock	
		Lock Emergency Removal	
6.0		PROCEDURE REVIEW	
		LOTO Periodic Inspection	
		Facility Active LOTO Review	
7.0	-	KEY CONTACT	
8.6		QUALITY RECORDS	
9.0	J	ATTACHMENTS	40

1.0 PURPOSE AND SCOPE

1.1 Purpose

This procedure establishes a program, consisting of energy control, employee training, and periodic inspections, to ensure that before any worker performs any servicing or maintenance on equipment where the unexpected energizing, startup, or release of stored energy could occur and cause injury, the equipment is isolated from the energy source and rendered inoperative.

NOTE: Failure to follow directives outlined in this procedure is considered sufficient cause for disciplinary action, up to and including discharge.

1.2 Scope

This procedure applies to all persons (employees and contractors) working on equipment under the control and operation of Southern Company Generation facilities.

This procedure does not supersede procedures established for the orderly shutdown of equipment. Those procedures must be followed to avoid any additional or increased hazard(s) to employees because of the equipment stoppage.

NOTE: This procedure does not apply to the following:

- Electrical energy sources less than 50 V.
- Work on cord- and plug-connected equipment, where exposure to the hazards of unexpected energizing or startup of the equipment is controlled by unplugging the equipment from the energy source, and the plug is under the exclusive control of the individual performing the service or maintenance.
- Minor servicing, which includes performing simple adjustments to ensure equipment is functioning properly (without having to disassemble the component being adjusted and/or expose an employee to a hazardous energy source).
- Work that does not involve plant-controlled equipment such as:
 - Equipment under the exclusive control of Transmission or Distribution.
 - Equipment identified as new construction that is under the exclusive control of Technical Shared Services (TSS) Projects and has not been connected to the facility.

Generating facilities may develop site-specific procedures to supplement this procedure. Site-specific procedures do not replace material covered in this procedure.

When external maintenance or servicing personnel will be engaged in activities covered by the scope of this procedure, the authorized representatives of the Company and the contractors shall provide and coordinate their respective lockout or tagout procedures.

Details of the LOTO program will be covered as part of the Contractor Orientation Checklist. Southern Company LOTO Awareness Training is available under "Safety Orientation Requirements for Generation Contractors" at the following link: https://www.southerncompany.com/about/suppliers/generating-plant-requirements.html. It is the responsibility of each outside servicing employer to train and document their employees in the requirements of this procedure prior to the start of work.

2.0 DEFINITIONS AND REFERENCES

2.1 Definitions

- active LOTO A LOTO that has been issued, executed, and has an operating area lock (orange) secured to a master lockbox indicating the associated equipment is isolated and ready for service or maintenance activity.
- **active LOTO file** A designated file or location, such as master lockbox, that holds all LOTO records that have been issued and are considered to be active.
- affected employee Employee that is affected by a lockout, which means their work involves the equipment that is being locked out and their job will be affected during the lockout. An affected employee is not authorized to lockout equipment.
- **authorized employee** Employee who has had proper training on equipment isolation and the associated hazards and is allowed to use lockout devices. An authorized employee can be an affected employee.

Authorized employees are qualified by training and evaluation in the Southern Company Generation LOTO procedure in the following categories:

- LOTO Holder A qualified employee/worker who may request LOTO and/or perform work on equipment or systems held by LOTO.
- LOTO Coordinator A qualified employee/worker who may request LOTO and/or coordinate work on equipment or systems held by LOTO for non-listed workers or other authorized workers.
- Operating Area Authorized Employee (OAAE) A person who can lockout or tagout equipment when servicing and/or maintenance is performed by crew, craft, department, or other group. An Operating Area Authorized Employee can perform the following duties:
 - Develop LOTO records.
 - Execute/verify LOTO records.
- Operating Area Leader (OAL) A person who has primary responsibility for a set number of employees working under the protection of a group lockout device (operating area lock (orange)); has the knowledge and authority to determine if a requested piece of equipment can be taken out of service based on operational conditions, personnel, unit commitments, worker and

equipment safety, and any other factors that may impact system reliability; has been qualified to perform all roles of the OAAE; and has the authority to perform the following duties:

- Accept requests.
- Approve/reject requests.
- Approve LOTO records.
- Issue isolation/release LOTO records.
- Approve boundary modifications.
- Activate LOTO records.
- Complete LOTO records.
- Serve as primary authorized employee, as required (see 3.7, Primary Authorized Employee (PAE)).

NOTE: Operating Area Leader and Operating Area Authorized Employee roles must be independently selected in COOL Compliance to grant permissions within SafeTK.

- authorized list Roster maintained for the facility that identifies authorized workers by name and type of LOTO activity(ies) each worker is permitted to perform. Inclusion on the authorized list is determined at the discretion of the facility's management as approved in Cool Compliance.
- capable of being locked out Energy isolating device capable of being locked out if it has a hasp or other means of attachment to which, or through which, a lock can be affixed, or it has a locking mechanism built into it. Other energy isolating devices are capable of being locked out, if lockout can be achieved without the need to dismantle, rebuild, or replace the energy isolating device or permanently alter its energy control capability.
- **designated operating area (DOA)** Area or department of the facility that has the exclusive control of issuing and executing LOTO in their specific area. Examples of designated operating areas:
 - Operations.
 - Fuels.
 - Laboratory.
 - Environmental.
 - Individual hydro plants.
 - Combustion turbine plants.
 - Combined cycle plants.
 - Solar plants.
- energy isolating device A device that physically prevents the transmission or release of energy, including but not limited to the following: an 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.

NOTE: Push buttons, selector switches, and other control circuit type devices are not energy isolating devices. See attachment B, Example LOTO Tag, for an example of an Operational Control Tag when control devices require exclusive control of the operating area.

- **energy source** Any source of electrical (50 V or greater), mechanical, hydraulic, pneumatic, chemical, thermal, gravitational, or other energy.
- **hasp** A device that allows energy isolating devices to be locked with multiple locks.
- **isolate** Removal of all sources of energy from the equipment to be worked on.
- isolation test The method used to ensure all stored energy sources cannot create the potential for injury or accident while servicing or maintenance is being performed on the equipment. The test method is documented on the LOTO Record, as follows:
 - Visual A visual inspection to ensure an air gap exists determines absence of energy between energy sources and isolation devices.
 - Test equipment Use of instrumentation to verify electrical energy sources are isolated. Voltage meters and noncontact voltage detectors are acceptable, based on the skills and training of the qualified person. All devices must be properly rated for voltage.

NOTE: Noncontact voltage detectors are not acceptable for circuits below 600 V or shielded cables. DC circuits and shielded cables must be tested at termination points.

- Test/try Test performed by attempting to operate a piece of equipment either remotely or locally to ensure the equipment will not operate.
- Drain/depressurize Verification that a system or component is drained, depressurized, and safe for work.
- **issued LOTO** LOTO record identified in the software (SafeTK) as in-progress by the OAL while the OAAE performs steps to isolate equipment for upcoming service or maintenance activities.
- lockbox Box with multiple locking points in which the key(s) to the lockout device(s) are placed and secured by authorized employees. Lockboxes are red or yellow, based on the following criteria:
 - Master lockbox Red lockbox in which key(s) to red isolation locks are
 placed and secured by an operating area lock (orange). LOTO holders
 secure locks (individual (blue)/coordinator (green)) after the operating area
 lock (orange) is secured, to hold the LOTO for service or maintenance
 activity. The original completed LOTO documentation (LOTO records,
 LOTO test records, and so forth) shall be maintained in an active LOTO file,
 and the LOTO cover sheet is attached to the master lockbox (red).

- Satellite lockbox Yellow lockbox that is an extension of the master lockbox (red). It may be located remotely in an area that provides convenient access for workers while under the exclusive control of the LOTO Coordinator. One or more satellite lock(s) (yellow) will be used in conjunction with the satellite box and is secured to the master lockbox; the associated key is secured in the satellite box with a coordinator lock. A copy of the LOTO documentation (LOTO records, LOTO test records, and so forth) is attached to the satellite lockbox.
- lockout Placement of a lockout device on an energy isolating device, in accordance with an established procedure, to ensure the energy isolating device and the equipment being controlled cannot be operated until the lockout device is removed.
- **lockout device** Device that employs a positive means (lock and key) to hold an energy isolating device in the safe position and prevent the energizing of equipment. See attachment A, Example Lockout Devices, for an example of lockout devices. Southern Company Generation approved lockout devices include the following:
 - Isolation lock Red in color, used to secure energy isolation devices. Always secured with an attached tagout device.
 - Operating area lock Orange in color, used for operating area continuity; indicates equipment has been isolated per the LOTO record. Operating area locks are always the first lock on and last lock off to ensure continuity of the active LOTO and the position of isolation devices have not been altered. No other lock shall be placed on the master lockbox without an operating area lock previously installed.
 - Individual lock Blue in color, assigned to individuals for their personal protection while performing work under a LOTO. Individuals are assigned five locks for this purpose. Individual locks must display worker name and contact number.
 - Coordinator lock Green in color, used by departments to coordinate multiple work crews, ensure the continuity and integrity of an active LOTO for the protection of other workers. Coordinator locks are issued and controlled as approved by plant management, as required for each department. Requires an attached LOTO information tag.
 - Satellite lock Yellow in color, used to maintain continuity while a satellite lockbox is in use. Satellite locks are assigned to a corresponding satellite lockbox. Requires an attached LOTO information tag.
 - Non-listed/visitor lock Brown in color, used for non-listed workers to enable them to perform service or maintenance under the protection of a LOTO. Only used at the direction of a LOTO coordinator and after a coordinator lock (green) is secured. Non-listed/visitor locks are issued for temporary use at the discretion of plant management. Requires an attached LOTO information tag.

Rev. 0, Issued 06/09/2016 Rev. 2, Issued 05/13/2024

 Contractor lock – Lock provided by contractors for adherence to the Southern Company LOTO procedure and protection of their employees. All contractor personal protective locks shall be individually keyed and individually assigned to that worker.

When securing to Southern Company lockout devices, contractor locks shall adhere to the following:

- o Contain worker's name, contact number, and company.
- Not be manufactured by American Lock.
- Shall be silver, gray, or black in color.

lockout/tagout (LOTO) – A safety procedure used to ensure equipment is properly shut off and not able to be started up until the completion of maintenance or service work. It requires hazardous energy sources to be "isolated and rendered inoperative" before work is started on the equipment in question. Lockout/tagout can be accomplished in the following ways:

- Group LOTO A LOTO executed by authorized workers within a designated operating area for other workers requesting to perform service or maintenance work on equipment.
- Simple LOTO A LOTO executed by authorized workers where personal protection locks are applied directly to isolation devices when the below criteria are followed:
 - Workers have knowledge, training, skills, tools, and time to perform work safely.
 - Scope of work is of short duration (can be completed in one shift).
 - Isolation steps include five or fewer isolation devices.
 - Scope of work has no special conditions such as confined space, grounding, hydrogen, natural gas, or process safety management chemicals.
 - Parts are readily available.
 - Facility has defined acceptable equipment or type of equipment in sitespecific procedures.
 - Permission of the designated operating area (DOA) to proceed exists.
 - Approved documented procedural steps exist and must be followed.

NOTE: Procedural steps are not required if the equipment has a single energy source that can be readily identified, isolated, and verified, and no prior accidents exist involving the unexpected activation or re-energization of equipment during service or maintenance.

LOTO administrator – Individual responsible for administration of the LOTO software. Each facility has LOTO administrator(s), who administer responsibilities, approve

standards, and perform other local functions. There is also a corporate LOTO administrator who is responsible for the overall administration and configuration of the LOTO software across all Southern Company Generation facilities.

- **LOTO boundary** Energy isolating devices required for a designated scope of work.
- LOTO information tag Tag that identifies the responsible person using a lockout device. Each tag is secured via the lock shackle and, at a minimum, contains the worker's name and contact number. See attachment B, Example LOTO Tag, for an example of a LOTO information tag.
- **LOTO record** Instructional checklist of energy isolating devices needed for a LOTO boundary, used to place and secure equipment in a desired isolation or service position.
- minor servicing The act of performing simple adjustments to ensure equipment is functioning properly (without having to disassemble the component being adjusted and/or expose an employee to a hazardous energy source).
- non-listed worker Person performing service or maintenance under the direction of a LOTO coordinator and who is not included on the facility's authorized list. These individuals may be unfamiliar with the equipment or lack the necessary experience or training to individually hold LOTO.

A non-listed worker may perform work under LOTO at the request of the LOTO coordinator in either of the following two ways:

- Individual accountability By securing directly to an approved Southern Company LOTO device with the permission of the LOTO coordinator.
 - All non-listed workers shall secure a personal protective lock directly to the LOTO device. Under this system, a Southern Company LOTO coordinator shall be responsible for the non-listed group of individuals and assume responsibility for the accountability and notification of any changes to the LOTO.
 - Alternate accountability A system where a contractor responsible person holds LOTO for other workers. This system can be used when approved by Southern Company plant management. The contractor responsible person, specified by the contractor, may be a contractor superintendent, crew foreman, project coordinator, or any other responsible individual associated with the group and shall be responsible for the following:
 - Communicating with all non-listed individuals who intend to work on plant equipment.
 - Securing a lock designated as an alternate accountability responsible person device behind a coordinator lock on either the hasp or the satellite box.

- Rev. 0, Issued 06/09/2016 Rev. 2, Issued 05/13/2024
- Ensuring each individual worker secures an individual personal protective lock to the appropriate lockout device per their employer's energy control program.
- Under this system, a Southern Company LOTO coordinator shall hold the LOTO for the contractor responsible person and provide them all information, including limitations and boundaries associated with the scope of work and LOTO record.

NOTE: Contractors shall maintain an effective energy control program of accountability using locks for personnel that meets all requirements set forth in 29 CFR 1910.269(d),1910.147, and this procedure. Program shall demonstrate controlled means to remove individual worker's lockout devices when not at the facility. Prior to using alternate accountability, contractor shall submit their site-specific alternate accountability system to plant management for approval.

- **normal production operations** Use of equipment to perform its intended production function.
- **personal protective lock** Lockout device used for the protection of individuals performing work under a LOTO. Personal protective locks can be individual, non-listed/visitor, or contractor locks.
- qualified person Person who is competent, by their electrical knowledge and skills, to safely work on energized circuits. Competence includes the demonstration of proper use of precautionary techniques, personal protective equipment, insulating materials, voltage detection devices, and insulated tools.

NOTE: Third-party qualified persons shall be trained and qualified by their respective employer.

- **requestor** Employee/worker on the authorized list who has requested a LOTO to have scheduled service or maintenance activity performed on a piece of equipment.
- **SafeTK** Software used to manage, document, and track activities within the LOTO process. SafeTK is the official repository of LOTO documentation, including standards.
- servicing and/or maintenance Workplace activities such as constructing, installing, adjusting, inspecting, modifying, and servicing and/or maintaining equipment. These activities include lubrication, cleaning or unjamming of equipment, and making adjustments or tool changes, where the employee may be exposed to the unexpected energizing or startup of the equipment or release of hazardous energy.
- **standards** LOTO records, grouped by equipment, developed, approved, and saved for recurring maintenance activities. Standards for each facility are approved by a LOTO administrator at that facility.

- Rev. 0, Issued 06/09/2016 Rev. 2, Issued 05/13/2024
- **system break** The intentional opening of a pipe, line, or duct that is or has been carrying a flammable, corrosive, or toxic material, an inert gas, or any fluid at a volume, pressure, or temperature capable of causing injury.
- tagout Placement of a tagout device on an energy isolating device, in accordance with an established procedure, to indicate that the energy isolating device and the equipment being controlled cannot be operated until the tagout device is removed.
- tagout device Prominent warning device, securely fastened to an energy isolating device in accordance with an established procedure, to indicate that the energy isolating device and the equipment being controlled cannot be operated until the tagout device is removed. See attachment B, Example LOTO Tag, for an example of a tagout device.

NOTE: When TPGs are installed as part of the LOTO record by the Southern Company Generation qualified person, two red tags shall be fastened to the TPGs. Where a lockout device(s) cannot be affixed directly to the energy isolating device, a tagout device shall be located as close as safely possible to the energy isolating device in a position obvious to anyone attempting to operate the device.

Where tagout devices are used to control isolation devices, additional means shall include the implementation of additional safety measures, such as the removal of an isolating circuit element, blocking of a controlling switch, opening of an extra disconnecting device, or the removal of a valve handle to reduce the likelihood of inadvertent energizing.

NOTE: Tagout devices without a lock shall only be used on isolation devices until a permanent means to hang a lock can be designed and installed.

- **temporary protective ground (TPG)** Device installed by a qualified person for the purpose of grounding electrical equipment previously energized at a voltage greater than 600 V.
- **temporary protective ground (TPG) tags** Orange tags affixed to grounds by a qualified third party to control the installation and removal of the grounds.

worker – Person performing service or maintenance under LOTO.

2.2 References

- Frequently Asked Questions (FAQ), SCG-SH-0201, Lockout/Tagout (LOTO) Procedure
- 29 CFR 1910.269, Electric power generation, transmission, and distribution
- 29 CFR 1910.147. The control of hazardous energy (lockout/tagout)
- SCG-SH-0230, Temporary Protective Grounds

- Rev. 0, Issued 06/09/2016 Rev. 2, Issued 05/13/2024
- TSS Engineering and Design standard D-11, Design Functional Tags and Descriptions
- Southern Company Records Retention Schedules

3.0 RESPONSIBILITY

3.1 Plant Manager

The plant manager maintains overall responsibility for the administration of the LOTO program and is responsible for implementing and strictly enforcing this procedure. The plant manager or designee also has responsibility and control of all spare and backup keys issued for removing locks of other employees or departments.

3.2 Operating Area Manager

The operating area manager ensures the LOTO procedure is correctly administered by all designated operating area employees and they are following the LOTO procedure and performing their respective duties. The operating area manager also defines the process for assigning a single designated primary authorized employee per shift.

3.3 LOTO Administrator

There are LOTO administrators for each facility, appointed by management, responsible for the following:

- Reviewing and approving standards at a facility.
- Interfacing with corporate LOTO administrators on software changes or improvements.
- Administration of LOTO training at a facility.

The corporate LOTO administrators will represent operating companies (Alabama Power, Georgia Power, Mississippi Power, and Southern Power) and are responsible for the following:

- Administration of the LOTO software across the Southern Company Generation facilities.
- Gathering input on software changes or improvements.

The Southern Company Generation corporate LOTO administrator is the primary interface with the LOTO software provider and coordinates changes or improvements.

3.4 Authorized List Administrator

The authorized list administrator is designated by the plant manager and is responsible for approving or denying permission requests for the plant's authorized list through COOL Compliance.

3.5 Requestors

The requestor collaborates with the operating area leader (OAL) to ensure the LOTO request record is appropriate for the work to be performed. The requestor works with the OAL to complete the LOTO request record. The LOTO request record populates the LOTO information section of the LOTO record and notifies affected workers of scheduled service or maintenance activity. The requestor is responsible for the following:

- Determining what equipment requires isolation for the purpose of servicing for maintenance activity.
- Reviewing with the OAL all applicable scopes of work, work orders, electrical or mechanical prints, and/or other relevant documents to ensure all energy isolations are properly identified.
- Confirming, in collaboration with the OAL, mutual understanding and agreement on energy isolation points are achieved.

3.6 Operating Area Leader (OAL)

The operating area leader (OAL) is identified as the person with authority to perform specific roles in the LOTO process. The OAL may be a supervisor, operator, or other designee as defined by management, and is responsible for the following:

- Implementing the LOTO procedure.
- Reviewing and understanding the LOTO Reguest Record.
- Ensuring the operating area (unit) can support and approves the request for LOTO.
- Developing or assigning an OAAE to develop the LOTO isolation record.
- Create standards for approval by the local LOTO administrator.
- Ensure the proper LOTO boundaries are established through reviewing scope and type of work, performing system walk-downs, reviewing drawings, and ensuring the proper positioning of devices.
- Ensuring the LOTO record is appropriate for the scope of work and is completed before initiating the isolation process.
- Approving selected LOTO records.
- Assigning OAAE and issuing the LOTO record to execute.
- Resolving any LOTO boundary issues.
- Reviewing the completed LOTO record for accuracy and completeness.
- Authorizing placement or removal of third-party grounds. Tracking (SafeTK), issuing, and collecting TPG tags (orange).
- Ensuring all locking devices are accounted for and the number of locks/tags matches the number of entries on the LOTO record.
- Assigning a verifier to walk down and verify the execution of the LOTO record.

- Rev. 0, Issued 06/09/2016 Rev. 2, Issued 05/13/2024
- Activating the LOTO by ensuring all isolation keys are placed inside the master lockbox and are secured with an operating area lock.
- Activating the LOTO record (SafeTK).
- Notifying the requestor of an active LOTO.
- Controlling access to the master lockbox. Ensuring all LOTO holders have reviewed the LOTO information prior to locking on the appropriate lockbox or devices.
- Ensuring all locks are removed before any release for test, boundary reduction modification, or release.
- Removing the operating area lock on the master lockbox to support a release for test, boundary reduction modification, or final release.
- Assigning an OAAE to release the LOTO.
- Reviewing the completed LOTO documents and verifying the LOTO documents indicate the LOTO has been released and equipment is ready for operation.
- Completing the LOTO Record (SafeTK) and storing the completed LOTO documents per the record retention schedule.

3.7 Primary Authorized Employee (PAE)

When workers are servicing or maintaining equipment under a group LOTO, a single primary authorized employee (PAE) is identified and documented in each designated operating area for every shift. Transfer of the PAE responsibilities may only be conducted during shift or personnel changes to ensure continuity. Responsibilities of the PAE include the following:

- Having overall job-associated lockout or tagout control responsibility when employees are working under the protection of a group lockout or tagout device(s).
- Coordinating affected work forces and ensuring continuity of protection.
- Providing oversight, ensuring the designated operating area follows provisions for each authorized employee to affix a personal lockout device to the group lockout device, group lockbox, or comparable mechanism, when he or she begins work, and ensuring they remove those devices when he or she stops working on the equipment being serviced or maintained.
- Ensuring the designated operating area follows procedure for orderly shutdown and startup of equipment.
- Identifying the PAE in the turnover log system for each designated operating area when turnover review has been completed and responsibility has been transferred.

3.8 Operating Area Authorized Employee (OAAE)

The operating area authorized employee (OAAE) is identified as the person with authority to perform specific roles in the LOTO process. The OAAE may be an operator or other designee as defined by management. The OAAE is responsible for the following:

- Rev. 0, Issued 06/09/2016 Rev. 2, Issued 05/13/2024
- Developing a LOTO boundary on the LOTO record that is appropriate for the scope of work, eliminating hazardous energy.
- Reviewing the LOTO record with the OAL.
- Placing isolation locks, associated locking devices, and tags on the isolation component, in the proper sequence as outlined on the LOTO record.
- Ensuring the appropriate energy sources to equipment being worked on are properly isolated by a visual, test try, test equipment, or drain/depressurize method.
- Completing each line item on the LOTO record to document the device position and test method used.
- Removing the locking devices and restoring the equipment to the desired position as determined on the LOTO release record.
- Visually verifying personnel are not exposed to equipment before re-energizing equipment.
- Creating standards for approval by the LOTO administrator.

3.9 Verifier

The verifier validates (through review) completion of the LOTO. The verifier may not reposition or remove any lockout device placed on equipment.

The verifier is responsible for the following:

- Verifying each device listed on the LOTO record is correctly tagged and locked per the LOTO record and the Test Method section is complete.
- Initialing and signing required sections of the LOTO record.
- Notifying the OAL immediately when any devices are discovered in conflict with the LOTO record.

3.10 LOTO Holder

The LOTO holder is an authorized employee/worker who may request LOTO and/or perform work on equipment held by LOTO. The LOTO holder is responsible for the following:

- Before securing any lock to the lockbox, gaining permission of the designated operating area and ensuring an operating area lock (orange) is secured.
- Reviewing the LOTO information; knowing and understanding the limitations and boundaries associated with the scope of work and LOTO record before locking on and off the appropriate lockbox or device as required, using an individual lock (blue).
- Prior to starting work, verifying by walkdown the LOTO is adequate for the work being performed, and equipment is properly isolated and safe for the work he or she intends to perform.
- Before beginning a new shift, verifying the LOTO is still active.

- Rev. 0, Issued 06/09/2016 Rev. 2, Issued 05/13/2024
- Participating in prejob briefings to understand the scope of work and LOTO boundaries involved.
- Not changing or repositioning any LOTO isolation devices or removing any locks during the course of their work task.
- Immediately communicating any concerns noted with the LOTO boundaries or associated scope of work to the designated operating area.
- Immediately removing personal protective locks when work is complete and safe to return to service or suspended.
- Prior to removing an individual lock, ensuring a coordinator lock is secured if work is not complete and safe to return to service.

3.11 LOTO Coordinator

The LOTO coordinator is an authorized employee/worker who may request LOTO and/or coordinate work on equipment held by LOTO workers. The LOTO coordinator is responsible for the following:

- Before securing any lock to the lockbox, gaining permission of the designated operating area and ensuring an operating area lock (orange) is secured.
- Reviewing the LOTO information; knowing and understanding the limitations and boundaries associated with the scope of work and LOTO record before locking on and off the appropriate lockbox or device as required, using a coordinator lock (green).
- Prior to starting work, verifying by walkdown the LOTO is adequate for the work being performed, and equipment is properly isolated and safe for the work he or she intends to perform.
- Before beginning a new shift, verifying the LOTO is still active.
- Participating in prejob briefings to understand the scope of work and LOTO boundaries involved.
- Changing or repositioning any LOTO isolation devices or removing any locks during the course of their work task as authorized by Maintenance Release LOTO.
- Immediately communicating any concerns noted with the LOTO boundaries or associated scope of work to the designated operating area.
- Controlling access to the satellite lockbox. Providing information (including limitations and boundaries associated with the scope of work and LOTO record) to all workers performing service or maintenance under the coordinator lock (green).
- Managing the installation and removal of third-party TPGs.
- Working with the designated operating area to track the issue and return of TPG tags.
- Securing an individual lock prior to performing any maintenance, inspection, or service of equipment controlled by an active LOTO.

- Rev. 0, Issued 06/09/2016 Rev. 2, Issued 05/13/2024
- Removing all locks immediately when work is complete or suspended.
- Completing a Coordinator Continuity Transfer Record prior to taking responsibility of a coordinator lock and either having full understanding of work scope status or obtaining permission of the current LOTO coordinator.
- Securing a coordinator lock and LOTO information tag before removing the prior coordinator lock.

NOTE: The LOTO coordinator attaches the Coordinator Continuity Transfer Record to the appropriate lockbox or active LOTO file for the duration of the work. At completion of work, the LOTO coordinator returns the record to the DOA, retaining per Southern Company Records Retention Schedule.

3.12 Non-Listed Worker

A non-listed worker is a worker performing service or maintenance under the direction of a LOTO coordinator. The non-listed worker shall be responsible for the following:

- Successfully completing LOTO awareness training.
- Knowing that equipment is not safe for performing service or maintenance unless a LOTO has been established and workers are locked on to the appropriate lockbox or device.
- Understanding their role in the LOTO procedure and implementing methods to ensure compliance with this procedure.
- Participating in prejob briefings to understand the scope of work and LOTO boundaries involved.
- Personally locking on and off the appropriate lockbox or device when required, but only after a coordinator lock (green) is secured. Only securing a personal protective lock to a hasp or yellow satellite box.
- Reviewing the LOTO information provided by the LOTO coordinator. Obtaining a copy of all requested LOTO documents.
- Knowing and understanding the limitations and boundaries associated with the scope of work and LOTO record before locking on and off the appropriate lockbox or device and performing work.
- Knowing they have the option, and are encouraged, to personally walk down the LOTO boundaries to ensure a safe work condition.
- Not changing or repositioning any LOTO isolation devices or removing any locks during the course of their work task.
- Stopping work when any deficiencies of the LOTO are identified or when concerns are noted with the LOTO boundaries or associated scope of work and reporting immediately to the LOTO coordinator.
- Immediately removing personal protective locks when work is complete or suspended.

See non-listed worker definition for details on working under LOTO.

NOTE: Non-listed workers shall always secure personal protective locks on a hasp or yellow satellite box behind a coordinator lock (green). Non-listed workers shall not secure a lock directly to a master lockbox. Non-listed workers shall not secure a lock to any Southern Company LOTO device without the permission of the LOTO coordinator or additionally when a coordinator lock is not secured to that device.

4.0 TRAINING

All Southern Company Generation employees and other personnel working under the requirements of this procedure shall be trained in the use of this procedure.

4.1 LOTO Awareness Training

Each employee whose work operations are or may be in an area where energy control procedures may be used shall be instructed during site orientation or annual compliance training (as applicable) on the LOTO procedure; instruction shall include training about the prohibition related to attempts to restart or re-energize equipment that is locked out or tagged out. Each affected employee shall be instructed in the purpose and use of the energy control procedure. Any worker not on the plant's authorized list shall complete LOTO Awareness Training or Initial LOTO Training prior to working on equipment as a non-listed worker.

4.2 Authorized Worker Training

4.2.1 Initial Training

Initial training shall be classroom training conducted by a qualified instructor as deemed by management.

- At a minimum, employees shall be trained initially to ensure the purpose and function
 of the energy control program are understood and the knowledge and skills
 necessary for the safe application, usage, and removal of the energy controls are
 required.
- Each authorized employee shall receive training in the recognition of applicable hazardous energy sources, the type and magnitude of the energy available in the workplace, and the methods and means necessary for energy isolation and control.
- Initial training requires a documented LOTO evaluation.
- When tagout systems are used, employees shall also be trained on the limitations of tags only.
- Initial training shall be documented using the corporate LOTO procedure LearningSOurce code.

Site-specific training shall be conducted at each facility and shall include any local requirements of the plant or designated operating areas and identify employees having specific roles and responsibilities at that facility. Each facility shall have a unique LearningSOurce code for site-specific training.

4.2.2 Refresher Training

Refresher training shall be conducted annually by a qualified instructor as deemed by management.

- Refresher training will include the site-specific procedure, site-specific issues/best practices, as well as fleet issues/best practices.
- Refresher training does not require a LOTO evaluation.
- Refresher training shall be documented using the facility's LOTO site-specific LearningSOurce code.
- The refresher training shall re-establish employee proficiency and introduce new or revised control methods and procedures, as necessary.

4.2.3 Retraining

- Retraining shall be conducted when periodic inspections reveal, or when
 management has reason to believe there are deviations from or inadequacies in the
 employee's knowledge or use of the energy control procedures. This training may
 include a review of initial, site-specific, and/or department training. See 4.3,
 Department Training and Proficiency Requirements.
- The retraining shall re-establish employee proficiency and introduce new or revised control methods and procedures, as necessary.

NOTE: Approved employee training (Initial, Site-Specific, and Refresher) shall be documented in LearningSOurce prior to requesting access on any authorized list in Cool Compliance. Completion of authorized worker training shall be acceptable training for workers that are required to work at other facilities as a non-listed worker.

4.3 Department Training and Proficiency Requirements

In addition to the LOTO training outlined in this procedure, each employee's supervisor shall ensure department training has been completed, and evaluate each employee, specific to their position, on the following:

- Understanding of general plant knowledge, such as plant orientation, system design, and system operation.
- Proficiency to safely perform assigned job responsibilities.
- Understanding of limitations of the LOTO program.

NOTE: Required department training is defined by plant management. Additional training may be required for specific LOTO roles, such as LOTO coordinators.

4.4 Authorized List

COOL Compliance governs permissions for all roles in the LOTO process. Inclusion on any facility authorized list shall be approved or denied in Cool Compliance by the employee's supervisor and the plant authorized list administrator. The supervisor's

Rev. 0, Issued 06/09/2016 Rev. 2, Issued 05/13/2024 approval in Cool Compliance certifies the employee has met the requirements of 4.3, Department Training and Proficiency Requirements, and is proficient to hold all selected roles. The plant authorized list administrator's approval in Cool Compliance grants final permission and inclusion on the plant's authorized list.

- Authorized list permission will expire at 1 year + 60 days after the most recent training completion date, or as revoked by management.
- SafeTK automatically integrates with Cool Compliance to govern permissions in the software according to the authorized list.
- For permissions not integrated with SafeTK, the employee's supervisor shall collect lockout devices (locks, keys, and so forth) when permissions have expired in Cool Compliance.

NOTE: With permission of the DOA, employees who have not been approved on the facility authorized list may work under the guidance of a coordinator only after completion of annual LOTO Awareness training and issuance of a non-listed/visitor lock (brown).

5.0 PROCEDURE

5.1 Routine Lockout/Tagout (LOTO)

Process Map

Routine LOTO defines the overall process for isolating equipment for servicing and maintenance in which the unexpected energizing or startup of the equipment, or release of stored energy, could harm employees. This process establishes minimum performance requirements for the control of such hazardous energy.

NOTE: All LOTO records shall be created and issued via the SafeTK software. In the event of an unscheduled software outage, each facility shall manually create and issue temporary LOTO records until the software returns to service. An index shall be kept of each record using a sequential log number for the designated operating area. All fields on each LOTO record shall be completed to include device descriptions and device number. Associated temporary LOTO tags shall contain at minimum the log number and date. See attachment C, Example Temporary LOTO Records, for an example of temporary LOTO records.

Existing active LOTO records shall be completed and retained in a temporary folder until SafeTK records are updated and documents can be filed per the record retention schedule.

5.2 Simple LOTO

Process Map

Simple LOTO defines the process for applying individual locks directly to isolation devices by authorized workers to maintain local control of equipment under LOTO.

NOTE: If the work has not been completed and/or the equipment is not ready to be placed in service at the end of shift, or when the authorized employee leaves the facility, the OAL shall be contacted immediately and proceed to 5.3, Develop LOTO Record.

- 1. OAL selects the Simple LOTO record for the scope of work in software (SafeTK).
- 2. OAL assigns the authorized employee from the *LOTO Activated By* dropdown list (SafeTK) to execute the LOTO.
- 3. LOTO holder receives the LOTO simple record and executes according to the execution steps, then places devices in the isolation position, and installs individual locks (blue) and tags. Each step is installed to document execution.

Proceed to 5.5, Verify Isolation.

NOTE: When executing a Simple LOTO, the LOTO Holder performs the duties of the OAAE in the Verify Isolation process.

- 4. LOTO holder signs the simple LOTO record (in the LOTO Activated By field) to document execution of the LOTO steps.
- 5. LOTO holder performs prejob briefing.
- 6. LOTO holder performs maintenance activity.
- 7. LOTO holder determines if work is completed and equipment is safe to return to service.

If yes, proceed to Step 8.

If no, proceed to 5.3, Develop LOTO Record.

- 8. LOTO holder removes the locks from the isolation devices, positions, and initials each step according to the LOTO simple record (release).
- 9. LOTO holder signs the LOTO simple record (in the LOTO Released By field) to signify scope of work is complete and the equipment is released to Operations.
- 10. The OAL, along with the LOTO holder, reviews the returned documentation with the LOTO holder for completeness and ensures the proper number of tags has been returned.
- 11. OAL completes the LOTO (SafeTK) to document the simple LOTO is completed.
- 12. OAL files the original completed LOTO documents and retains per Southern Company Records Retention Schedule.

End of process.

5.3 Develop LOTO Record

Process Map

Develop LOTO Record defines the process for requesting and developing LOTO records identifying procedural steps to develop, document, and control potentially hazardous energy when employees are engaged in service and maintenance activities.

Employees shall request LOTO when performing servicing and/or maintenance activity on equipment in which the unexpected energizing, startup, or release of stored energy from the equipment could cause injury to employees.

- 1. Requestor identifies equipment to be worked on.
- 2. Requestor submits a LOTO request record (SafeTK) to outline the scope of work and equipment to be isolated for servicing or maintenance.

NOTE: If maintenance release or simple LOTO is required, begin Reason for LOTO field with "Maintenance Release" or "Simple LOTO."

- 3. OAL, along with the requestor, reviews the request and scope of work to ensure understanding. (SafeTK)
- 4. OAL determines if the equipment can be removed from service without interrupting unit operation.

If yes, proceed to Step 5.

If no, proceed to Step 20.

- 5. OAL approves LOTO Request (SafeTK).
- 6. OAAE reviews the LOTO request record and defines the isolated boundaries to match the scope of work.
- 7. OAAE searches the LOTO standards in database to determine if a standard already exists.

If yes, proceed to Step 8.

If no, proceed to Step 9.

8. OAAE selects the standard (SafeTK) to match the scope of work.

NOTE: If Maintenance Release, use satellite box and assign at least two additional separately keyed isolation locks.

- 9. OAAE creates the LOTO record and saves (SafeTK).
- 10. OAAE modifies the LOTO record (SafeTK).

NOTE: Indicate isolations on LOTO Isolation Record that will be used for Maintenance Release.

- 11. OAL reviews the LOTO record (SafeTK) to confirm the isolation boundaries match the scope of work.
- 12. OAL determines if request is for Simple LOTO.

If yes, proceed to 5.2, Simple LOTO.

If no, proceed to Step 13.

13. OAL determines whether to approve the LOTO for execution.

If yes, proceed to Step 14

If no, proceed to Step 6

- 14. OAL selects an available lockbox (SafeTK).
- 15. OAL assigns the authorized employee selected from the LOTO Isolation Executed By dropdown list (SafeTK) to execute the LOTO.
- 16. OAL assigns the authorized employee selected from the LOTO Isolation Verified By dropdown list (SafeTK) to verify the LOTO.

NOTE: If using independent verification and the name of the authorized employee is not available, manually complete this section as assigned in the Isolate Equipment Process (Step 17).

17. OAL determines if a Maintenance Release is required.

If yes, proceed to Step 18

If no, proceed to Step 19

- 18. OAL issues two single locks for the isolation devices associated with the maintenance release.
- 19. OAL approves the LOTO (SafeTK) and prints the forms and tags (issues) for the LOTO.

Proceed to 5.4, Isolate Equipment

20. OAL notifies the requestor unit operations cannot support the request.

End of Process

5.4 Isolate Equipment

Process Map

Isolate Equipment defines the process for isolating (device positioning, locking, tagging, grounding, and so forth) equipment when servicing and/or maintenance is performed by a crew, craft, department, or other group (Group LOTO). All hazardous energy sources shall be isolated in such a manner as to prevent their inadvertent activation. Only approved energy isolating devices specifically provided by the facility for the purpose of controlling hazardous energy shall be used. Operating Area Authorized Employees shall be responsible for isolating equipment per the LOTO record as issued by the Operating Area Leader.

NOTE: Southern Company Generation Qualified Persons shall install temporary protective grounds (TPGs) per the identified steps on the LOTO record. TPGs shall be

secured at minimum with an isolation lock on the ground side of the cable unless it is determined that the use of a lock puts the employee in an unsafe situation and tagged on both sides of the ground with a danger tag.

1. OAL determines if the concurrent verification is to be used per site-specific procedure.

If yes, proceed to Step 2.

If no, proceed to Step 3

- OAL assigns a verifier to go with the LOTO executor (SafeTK).
- 3. OAAE receives the LOTO record and executes according to the execution steps, then places devices in the isolation position, and installs locks and tags. Each step is initialed to document execution.

NOTE: If any device requires an isolation test to be performed prior to securing a lockout device, proceed to 5.5, Verify Isolation, prior to securing isolation lock and tagout devices.

Proceed to 5.5, Verify Isolation.

4. OAAE determines if internal grounds are required.

If yes, proceed to Step 5.

If no, proceed to Step 8.

- 5. OAL requests a qualified person to install internal grounds.
- 6. Prior to installing the grounds, the qualified person performs a walkdown and tests the conductor to verify absence of energy.

NOTE: Use device properly rated for voltage.

7. Qualified person, with guidance from the OAAE, installs the internal grounds.

Reference: SCG-SH-0230 Temporary Protective Grounds

- 8. OAAE signs the Executed By section of the LOTO Isolation Record and returns to OAL for review.
- OAL reviews the completed LOTO Record with the OAAE to ensure completeness of the record and all steps are executed.
- 10. OAL determines if concurrent verification was performed.

If yes, proceed to Step 11.

If no, proceed to Step 16.

11. OAL determines if LOTO is a maintenance release.

If yes, proceed to 5.7, Maintenance Release.

If no, proceed to Step 12.

- 12. OAL places the key(s) to the isolation devices in the master lockbox, then secures the master lockbox with an operating area lock.
- 13. OAL activates the LOTO Isolation Record (SafeTK).
- 14. OAL attaches the cover page to the master lockbox and places the associated LOTO record(s) in the active LOTO file.
- 15. OAL notifies the requestor the LOTO is active.

Proceed to 5.6, Perform Work.

- 16. OAL assigns a verifier for independent verification.
- 17. Verifier walks down the equipment per steps on the LOTO Isolation Record to confirm LOTO devices are properly installed on correct devices. The verifier initials that all devices are correct per LOTO Isolation Record.

NOTE: The verifier shall not reposition any devices as a part of this walkdown. If any portion of the LOTO record is in question, the verifier shall return to the OAL for resolution.

- 18. The verifier signs the LOTO Isolation Verified By field on the LOTO Isolation Record.
- 19. OAL reviews the completed LOTO Record with the verifier to ensure completeness of the record and all steps are verified.

Proceed to Step 11.

- 20. OAL reviews the boundary issue with the OAAE.
- 21. OAL determines if the boundary can be modified to resolve the boundary issue.

If yes, proceed to Step 22.

If no, proceed to Step 24.

- 22. OAL reviews boundary issue with the LOTO with the OAAE and revises LOTO record to resolve the boundary issue.
- 23. OAL determines if the boundary modification record is approved.

If yes, proceed to Step 1.

If no, proceed to Step 24.

24. OAL notifies a requestor the unit cannot support the isolation request.

Proceed to 5.9, Release LOTO

5.5 Verify Isolation

Process Map

Verify Isolation defines the process for ensuring the equipment is properly removed from service and that all stored and/or potentially hazardous or residual energy has been relieved, disconnected, or properly restrained.

The verifier shall not reposition or remove any lockout device placed on equipment. Any devices discovered in conflict with the LOTO record shall be identified and brought to the Operating Area Leader (OAL) for resolution.

The Operating Area Authorized Employee (OAAE) assigned to execute the LOTO record shall be responsible for verification of isolation.

1. OAAE determines if any isolation devices are electrical components.

If yes, proceed to Step 2.

If no, proceed to Step 13.

2. OAAE determines if it is possible to perform a visual inspection, ensuring an air gap exists between the source and equipment to verify the absence of voltage.

If yes, proceed to Step 9.

If no, proceed to Step 3.

3. OAAE determines if a test try will be performed.

If yes, proceed to Step 10.

If no, proceed to Step 4.

4. OAAE determines if test equipment can be used.

If yes, proceed to Step 5.

If no, proceed to 5.4, Isolate Equipment (Step 22).

5. The qualified employee will use test equipment to verify the absence of the energy and prove to the OAAE that hazardous energy is absent.

NOTE: Use a device properly rated for the voltage.

6. OAAE determines if hazardous energy is absent.

If yes, proceed to Step 7.

If no, proceed to 5.4, Isolate Equipment (Step 22).

NOTE: If any required mechanical component by design cannot be tested for isolation, plant management will work with the appropriate personnel to establish safe work procedures for a system break prior to activating the LOTO.

Using a system break for an isolation test shall only be used until a permanent means for isolation test can be installed.

7. OAAE updates the Test Performed By section of LOTO Isolation Record to indicate the verification action performed.

NOTE: When isolation devices have an active LOTO in place (overlapping LOTO), it shall be assumed that the prior isolation test has not been compromised. The test method section shall be lined through and indicated as a visual test method. The test performed by section shall be initialed, and the prior active LOTO number shall be referenced in the notes section.

8. OAAE determines if a Simple LOTO record is used.

If yes, proceed to 5.2, Simple LOTO (Step 12).

If no, proceed to 5.4, Isolate Equipment (Step 4).

9. OAAE confirms absence of voltage by confirming a visual air gap exists.

If yes, proceed to Step 6.

If no, proceed to 5.4, Isolate Equipment (Step 22).

10. OAAE clears the area for the equipment that will be attempted to start.

NOTE: Ensure area around equipment is clear of hazards and all personnel in case the equipment should start inadvertently during the test try. Controls should be placed in the "stop" or "off" position following verification of a test try.

11. OAAE performs a test try by attempting to start the equipment using control devices.

NOTE: Attempt to start equipment. (Emergency stops and other interlocks should be checked to make sure they would not block the startup of the equipment.) If using a Start button for the try test, press the Stop button afterward.

12. OAAE determines if the equipment started.

If yes, proceed to 5.4, Isolate Equipment (Step 22).

If no, proceed to Step 7.

13. OAAE verifies the system or device is drained, depressurized, and safe for work. Verification can be confirmed by using a pressure gauge, drain, vent, or equivalent method.

Proceed to Step 6.

5.6 Perform Work

Process Map

Perform Work defines the process for all workers to ensure an energy isolating device remains in a safe position and prevents the energization of equipment while performing servicing or maintenance activities.

- 1. LOTO Holder selects the LOTO and verifies with DOA the selected LOTO matches the scope of work.
- 2. LOTO Holder secures the master lockbox with an individual or coordinator lock.
- 3. LOTO Holder determines if third-party grounds are required.

If yes, proceed to step 4.

If no, proceed to step 15.

- 4. LOTO Holder obtains TPG tags (orange) from the OAL.
- OAL indicates (SafeTK) the LOTO coordinator's name and time/date the tags were issued. The TPG Tag Tracking index remains in the electronic file as part of the LOTO documentation.

NOTE: The LOTO coordinator shall request TPG tags (orange) from the OAL in the designated operating area. The OAL shall prepare the appropriate number of TPG tags (orange) by writing the associated LOTO and tag number on the tag(s) in ink.

- 6. LOTO holder performs a prejob briefing with the third-party qualified person.
- 7. Third-party qualified person secures lockbox (hasp or satellite as needed) behind the coordinator lock with a non-listed (contractor or visitor) lock.
- 8. Third-party qualified person performs walkdown with the LOTO holder and verifies the absence of energy.

NOTE: Use a device properly rated for voltage.

- Third-party qualified person installs grounds and TPG tags (orange).
- 10. LOTO holder performs work with all workers.
- 11. LOTO holder determines if testing is required.

If yes, proceed to 5.11, Testing.

If no, proceed to Step 12.

12. LOTO holder determines if work is complete.

If yes, proceed to 5.8, Work Completed.

If no, proceed to Step 13.

13. LOTO holder determines if a boundary modification is needed. *If yes, proceed to Step 14.*

If no, proceed to Step 10.

14. LOTO holder determines if a decreased boundary is needed.

If yes, proceed to 5.10, Suspend Work

If no, proceed to 5.12, Modify Boundary

- 15. LOTO holder performs a prejob briefing.
- 16. LOTO holder performs a walkdown.
- 17. LOTO holder determines if they will coordinate the LOTO for other workers.

If yes, proceed to Step 18.

If no, proceed to Step 10.

- 18. LOTO holder performs a prejob briefing with all workers involved in servicing and maintenance activity.
- 19. Non-listed worker secures lockout device behind the coordinator lock with a personal protective lock.

NOTE: Each worker may determine to his or her satisfaction the appropriate isolations are in place and the isolations are secure for the task in which he or she is involved. A copy of the LOTO record shall be provided when requested.

NOTE: If non-listed worker, follow 5.13, Non-Listed/Visitor Lock, to obtain lock.

Proceed to Step 10.

5.7 Maintenance Release

Process Map

Maintenance Release defines the process for when a LOTO coordinator needs local control to operate equipment under LOTO to perform an assigned maintenance activity such as jogging, rotating, or intermittently moving the equipment. Examples include

rotating an air heater to replace baskets and rotating intake water screens to replace or repair them.

A maintenance release authorizes a LOTO coordinator holding stated equipment under LOTO to operate the equipment only when the following condition has been met:

A minimum of two isolation devices have been identified and shall be used to isolate and control equipment under the maintenance activity. The isolation devices shall remain under the exclusive control of the LOTO coordinator via independently keyed isolation locks and satellite box.

Only one person may hold a maintenance release on a piece of equipment or component at one time.

1. OAL secures all nonmaintenance release isolation keys in master lockbox with operations lock.

NOTE: OAL restricts access to master lockbox ensuring other workers understand the LOTO boundary does not include the devices associated with the maintenance release.

- 2. OAL places maintenance release isolation keys in satellite lockbox.
- 3. LOTO coordinator secures coordinator lock to satellite lockbox.
- 4. OAL activates LOTO isolation record (SafeTK).
- OAL attaches the completed LOTO isolation record to lockboxes. OAL attaches
 original LOTO isolation record to the master lockbox and a copy of the record to the
 satellite box, then places a cover page for the LOTO on each lockbox.
- 6. OAL notifies requestor that LOTO is placed.
- 7. LOTO coordinator relocates satellite lockbox to work area. The satellite lockbox will remain in the maintenance release work area under the exclusive control of the LOTO coordinator for the duration of the job.
- 8. LOTO coordinator controls access to maintenance release work area.

NOTE: Use barricade procedure to secure the area and control access.

9. LOTO coordinator conducts prejob briefing with all workers involved in maintenance release activities.

NOTE: LOTO coordinator shall document and communicate process for securing and releasing locks during maintenance release.

A briefing with the immediate work group shall address:

- The person(s) who shall operate the controls. When working around the clock, a person shall be identified for each shift.
- The means of controlling access to the work area.
- The type of communication method that shall be used to notify others in his or her work group to clear the area prior to energizing the equipment.

- Rev. 0, Issued 06/09/2016 Rev. 2, Issued 05/13/2024
- Each person's communication method to respond back that he or she has taken a safe position that shall prevent him or her from making or coming in contact with rotating or energized equipment.
- 10. Workers secure satellite lockbox with personal protective locks.
- 11. Workers perform maintenance activity with the LOTO coordinator.
- 12. LOTO coordinator determines if additional maintenance release activity is required.

If yes, proceed to Step 13.

If no, proceed to 5.8, Work Completed.

NOTE: If Maintenance Release activity is completed prior to other work on the associated LOTO, the isolation devices shall be placed in the position indicated on the Isolation Record and secured with isolation locks and tags. The keys shall be returned to the Designated Operating Area and placed in the master lockbox by the OAL until all work activity is complete and ready to return to service.

- 13. Workers remove personal locks from satellite box.
- 14. LOTO coordinator removes coordinator lock from satellite lockbox and obtains keys for maintenance release.
- 15. LOTO coordinator removes isolation locks and tags.
- 16. Worker repositions equipment for maintenance activity.
- 17. LOTO coordinator isolates, tags, and locks devices per LOTO Isolation Record.
- 18. LOTO coordinator places the keys to the maintenance isolation locks in satellite lockbox and secures with a coordinator lock.

Proceed to Step 10.

5.8 Work Completed

Process Map

Work Completed defines the process for removing workers from an active LOTO following the completion of all servicing and maintenance activities.

1. Workers remove non-listed personal protective locks.

NOTE: If non-listed/visitor lock is used and no longer needed, follow 5.13, Non-Listed/Visitor Lock. LOTO holder determines if coordinating other workers.

If yes, proceed to Step 3.

If no, proceed to Step 11.

2. LOTO coordinator verifies all personal protective locks are removed.

NOTE: Excluding qualified person locks.

3. LOTO coordinator determines if third-party grounds are installed.

If yes, proceed to Step 5.

If no, proceed to Step 10.

- 4. Third-party qualified person removes grounds and TPG tags and returns tags to LOTO coordinator.
- 5. LOTO coordinator returns TPG tags to the DOA.
- 6. OAL indicates each TPG tags returned in tool (SafeTK).
- 7. Third-party qualified persons remove lock(s).
- 8. LOTO coordinator verifies all personal protective locks have been removed.
- 9. LOTO coordinator verifies all personnel are clear of work area.

NOTE: Collect tools from work area.

10. LOTO holder determines if equipment is safe to return to service.

NOTE: If any equipment is left in a condition not safe to return to service, all LOTO holders shall remain locked to the master lockbox until a LOTO coordinator responsible for the servicing or maintenance activities can maintain continuity by securing a coordinator lock.

NOTE: The LOTO Holder shall assign a coordinator associated with the specific scope of work.

If yes, proceed to Step 12.

If no, proceed to Step 13.

11. LOTO holder removes individual lock and/or LOTO coordinator removes coordinator lock from lockbox.

Proceed to 5.9, Release LOTO.

- 12. LOTO coordinator installs coordinator lock.
- 13. LOTO coordinator determines if work should be suspended for testing.

If yes, proceed to 5.10, Suspend Work (step 2).

If no, proceed to 5.6, Perform Work.

5.9 Release LOTO

Process Map

Release LOTO defines the process for restoring equipment to normal production operations.

1. OAL determines if all LOTO holder locks are removed.

If yes, proceed to Step 2.

If no, proceed to 5.14, Lock Emergency Removal.

- 2. OAL releases LOTO (SafeTK).
- 3. OAL assigns OAAE to release LOTO (SafeTK).
- 4. OAL issues LOTO Release Record (SafeTK).
- 5. OAL removes operating area lock from lockbox and issues keys for items to release.
- 6. OAL determines if internal grounds require removal.

If yes, proceed to Step 7.

If no, proceed to Step 9.

- 7. OAL requests electrician to remove internal grounds.
- 8. Qualified person removes internal grounds with OAAE.
- OAAE removes locks and tags and repositions and initials each step per LOTO record.
- 10. OAAE signs LOTO Released By section of LOTO Release Record.
- 11. OAAE verifies all locks returned and stores lockbox.
- 12. OAL accounts for and disposes of all tags.
- 13. OAL completes LOTO (SafeTK).
- 14. OAL files original completed LOTO documents and retains per Southern Company Records Retention Schedule.

End of process.

5.10 Suspend Work

Process Map

Suspend Work defines the process for removing workers from an Active LOTO to support testing or a reduced boundary.

1. LOTO coordinator determines if third-party TPGs are installed.

If yes, proceed 5.8, Work Completed (Step 6).

If no, proceed to Step 2.

- 2. LOTO coordinator verifies all workers have removed locks.
- 3. LOTO holder verifies all personnel are clear of work area.

NOTE: Collect tools from work area.

4. LOTO holder removes lock from lockbox.

5. OAL places lockbox(es) in a secure area to prevent access by workers.

NOTE: Place in designated secure area; remove all locks except operation area lock.

6. OAL determines if all locks are removed.

If yes, proceed to Step 7.

If no, proceed to 5.14, Lock Emergency Removal.

7. OAL determines if work is suspended for testing.

If yes, proceed to 5.11, Testing.

If no, proceed to 5.12, Modify Boundary.

5.11 Testing

Process Map

Testing defines the process for temporary releasing a portion of a LOTO boundary to perform an operational check, servicing, or repositioning of equipment under an Active LOTO. All workers shall suspend servicing or maintenance activity on any system or equipment when a test is performed. Access to the group master lockbox shall be prevented.

Any LOTO holder may request a test release of the equipment and must be on site during the time of the test. Only one person may request a test release on the same equipment at one time.

NOTE: A test release shall not be required for tests such as meggering, motor evaluation tests, or resistance where LOTO is not released.

- 1. LOTO holder reviews scope of testing with OAL.
- 2. OAAE creates the LOTO Test Release Record (SafeTK).

NOTE: If TPGs are part of the LOTO record, a review should be performed to determine if removal is required prior to issuing Test Release.

- 3. OAL reviews isolation boundaries.
- 4. OAL determines if the LOTO Test Release Record can be approved.

If yes, proceed to Step 5.

If no, proceed to Step 2.

5. OAL assigns employee to release isolation (SafeTK).

- Rev. 0, Issued 06/09/2016 Rev. 2, Issued 05/13/2024
- 6. OAL issues LOTO Test Release Record (SafeTK).
- OAL removes operating area lock from lockbox and issues key(s) for items to release.
- 8. OAL determines if internal ground removal is required.

If yes, proceed to Step 9.

If no, proceed to Step 11.

- 9. OAL requests qualified person for ground removal.
- 10. Qualified person removes internal grounds with OAAE.
- 11. OAAE removes locks, tags, and LOTO devices; repositions devices.
- 12. OAAE initials each item repositioned on the LOTO Test Release Record.

NOTE: Verify all equipment is in the correct position.

- 13. OAL receives locks, tags, devices, and LOTO Test Release Record.
- 14. OAL activates LOTO Test Release Record (SafeTK).
- 15. LOTO holder performs a prejob briefing with OAL and OAAE.
- 16. LOTO holder performs testing with support from the DOA.
- 17. LOTO holder determines if work is complete.

If yes, proceed to 5.8, Work Completed.

If no, proceed to Step 18.

18. OAL initiates Test Restore Record.

Proceed to 5.3, Develop LOTO Record (step 15).

5.12 Modify Boundary

Process Map

Modify Boundary defines the process for making changes to the LOTO boundaries including increasing and decreasing isolation devices.

NOTE: If any device of the active boundary is decreased, work must be suspended prior to releasing any isolation device.

When isolation devices are added to increase the boundary, LOTO holders may remain on the active LOTO. New LOTO holders must review and understand the entire boundary prior to performing service or maintenance activity. When a LOTO boundary is increased, all workers shall review the associated LOTO documents and isolation devices per the new boundary modification prior to working beyond the scope original boundary.

1. LOTO holder identifies the isolation needs and requests boundary change.

- 2. OAL reviews LOTO request and scope of work with the LOTO holder.
- 3. OAL determines if the unit can support a boundary modification.

If yes, proceed to Step 5.

If no, proceed to Step 4.

4. OAL notifies the requestor that the unit cannot support LOTO request.

End of process.

- 5. OAAE defines the isolation boundaries.
- 6. OAAE determines if the request is an increased boundary change.

If yes, proceed to Step 8.

If no, proceed to Step 7.

7. OAAE determines if work has been suspended.

If yes, proceed to Step 8.

If no, proceed to 5.10, Suspend Work.

- 8. OAAE creates a boundary change record (SafeTK).
- 9. OAL reviews isolation boundaries.
- 10. OAL determines if the boundary change record is approved.

If yes, proceed to 5.4, Isolate Equipment.

If no, proceed to Step 5.

NOTE: If boundary decrease, remove Operating Area Lock to access isolation lock key.

5.13 Non-Listed/Visitor Lock

Process Map

Non-Listed/Visitor Lock defines the process for temporarily issuing a visitor lock to workers who are not on the plant authorized list that require protection under LOTO while performing service or maintenance activity. See attachment D, Example Non-Listed/Visitor Lock Index, for an example Non-Listed/Visitor Lock index.

At the discretion of plant management, each DOA can issue non-listed/visitor locks to workers.

1. Non-listed Worker/Visitor requests non-listed/visitor lock.

2. LOTO coordinator determines if LOTO Awareness Training has been completed.

If yes, proceed to Step 4.

If no, proceed to Step 3.

- Worker completes LOTO Awareness Training as coordinated by the LOTO coordinator.
- 4. LOTO coordinator verifies training is completed and communicates to OAL.

NOTE: It is the non-listed worker's (visitor or contractor) responsibility to prove to the LOTO coordinator that LOTO Awareness Training has been completed. Training records, sign-in sheets, or verbal confirmation from the worker's employer are examples of acceptable means of verification.

5. OAL issues non-listed/visitor lock and information tag.

NOTE: The Non-Listed Visitor Lock Index can be used to track issued locks.

- 6. Worker uses lock as required by LOTO coordinator.
- 7. Worker returns non-listed/visitor lock to DOA.
- 8. OAL returns lock to secure location.

5.14 Lock Emergency Removal

Process Map

Lock Emergency Removal defines the process for removing a personal protective lock when the lock owner cannot remove the lock. All reasonable efforts shall be made to contact the lock owner and have the individual return to remove their own personal protective lock. If it is not reasonable for the worker to return or the worker cannot be reached, only the plant manager or designee may remove a lock for the worker.

- 1. OAL makes all reasonable effort to contact worker.
- 2. OAL determines if the worker is an authorized worker.

If yes, proceed to Step 5.

If no, proceed to Step 3.

3. LOTO coordinator determines if the contractor responsible person is available.

If yes, proceed to Step 4.

If no, proceed to Step 5.

4. LOTO coordinator requires implementation of contractor lock removal policy.

End of Process.

5. OAL determines if employee can be contacted to remove lock.

If yes, proceed to 5.8, Work Completed.

If no, proceed to Step 6.

- 6. Employee's supervisor verifies for LOTO holder or LOTO coordinator verifies for non-listed worker is not at facility and takes steps to control the employee's access to facility.
- 7. Employee's supervisor or LOTO coordinator verifies all personnel clear of work area.
- 8. Employee's supervisor or LOTO coordinator verifies all tools and equipment are clear and equipment is configured to return to service.
- 9. OAL issues Lock Emergency Removal Record (SafeTK).
- 10. OAL determines if the LOTO holder is an authorized worker.

If yes, proceed to Step 11.

If no, proceed to Step 16.

- 11. Employee's supervisor or LOTO coordinator completes Emergency Lock Removal Record with plant manager or designee and obtains spare key.
- 12. Employee's supervisor or LOTO coordinator removes lock and provides it to plant manager or designee.
- 13. Plant manager or designee notifies LOTO holder of actions and returns lock.

NOTE: Following discussion, plant manager can remove restriction to facility access.

- 14. LOTO Holder signs and records Date and Time fields of the LOTO Lock Emergency Removal Record.
- 15. OAL files LOTO Lock Emergency Removal Record with original LOTO documents and retains per Southern Company Records Retention Schedule.
- 16. LOTO coordinator cuts lock.

Proceed to Step 14.

End of Process.

6.0 PROCEDURE REVIEW

Southern Company Generation management shall ensure a review of the Southern Company Generation LOTO Procedure is conducted at least annually to ensure the procedure and the provisions of 29 CFR 1910.269(d) and 29 CFR 1910.147 are being followed.

6.1 LOTO Periodic Inspection

A periodic inspection of LOTO records will be conducted at least annually at each facility to ensure the procedure is being followed. Each facility, having similar equipment by system and the same or similar types of control measures, shall group LOTO records for the purpose of inspection. An authorized employee shall interview a representative number of available employees implementing and/or holding an active LOTO within each system.

Rev. 0, Issued 06/09/2016 Rev. 2, Issued 05/13/2024

NOTE: If an active LOTO is not available, an authorized employee shall conduct at minimum a periodic inspection for each system using completed LOTO records annually.

The LOTO Periodic Inspection Record shall be completed by an authorized employee not utilizing the LOTO record being inspected. The inspection shall identify and require correction of any deviations or inadequacies.

NOTE: If significant deviations or inadequacies are discovered during the periodic inspection, an additional inspection of a LOTO record shall be performed within the same system.

The LOTO Periodic Inspection Record shall certify:

- The equipment on which the energy control was used.
- The date of the inspection.
- The employees included in the inspection.
- The person performing the inspection.

A copy of the LOTO Periodic Inspection Record shall be retained per the record retention schedule. The facility management, LOTO coordinator, and safety and health manager shall develop corrective actions to address any procedure inadequacies. When the inspection reveals any inadequacies in employee knowledge, plant management shall conduct a more detailed review to address responsibilities. Employees found to have significant inadequacies shall be removed from the facility authorized list and retrained.

6.2 Facility Active LOTO Review

Each facility shall inspect all active LOTO records annually from the date they became active.

Active LOTO records shall be inspected annually by an employee from the designated operating area to ensure the following:

- The status of the equipment has not changed.
- The LOTO record is still valid.
- The locks and tags are intact and legible.

 Following each review, the employee from the designated operating area indicates the review on the LOTO record, identifying any actions required, noted, and/or performed.

7.0 KEY CONTACT

For questions regarding the content and implementation of this document, contact your safety and health representative.

8.0 QUALITY RECORDS

The following records are official records and shall be retained in accordance with the Southern Company Records Retention Schedule:

- LOTO Isolation Record.
- LOTO Maintenance Release Record.
- LOTO Release Record.
- LOTO Test Release Record.
- LOTO Test Restore Record.
- LOTO Boundary Increase Record.
- LOTO Boundary Decrease Record.
- LOTO Simple Record.
- LOTO Lock Emergency Removal Record.
- LOTO Periodic Inspection Record.
- Coordinator Continuity Transfer Record.

9.0 ATTACHMENTS

Attachment A, Example Lockout Devices

Attachment B, Example LOTO Tags

Attachment C, Example Temporary LOTO Records

Attachment D, Example Non-listed/Visitor Lock Index

Attachment E, Revision History

Attachment A, Example Lockout Devices

lockout device – Device that uses a positive means such as a lock and key, to hold an energy isolating device in the safe position and prevent the energizing of equipment. Southern Company Generation-approved lockout devices are as follows:

Isolation locks	METICAN PERCONS	Red locks are used to secure energy isolation devices. • Keyed in groups (lock sets). • Used to secure/isolate equipment. • Always secured with an attached tagout device.
Operating area locks	ALERCA .	Orange locks are used for operating area continuity indicating equipment has been isolated per the LOTO record. Operating area locks are always the first lock on and last lock off to ensure continuity of the active LOTO and the position of isolation devices has not been altered. No other lock shall be placed on the master lockbox without an operating area lock previously installed. • "Operations Lock." • Keyed in groups by Designated Operating Area (DOA). • All Operating Area Leaders are issued keys. • Indicates the position of isolation devices has not been altered or equipment has not changed.
Individual locks	AND REAL PROPERTY.	Blue locks are assigned to individuals for their personal protection while performing work under a LOTO. Individuals are assigned five locks tor this purpose. • Keyed in groups (lock sets). • Each worker has five locks and one key. • Emergency key held by plant manager or designee. • Can lock on any LOTO with DOA permission. • Shall display worker name and contact number.
Coordinator locks	WEHCK PARTY	Green locks are used by departments to coordinate multiple work crews, ensure continuity and integrity of active LOTO, and protection of other workers. Coordinator locks are issued and controlled as approved by plant management, as required for each department. Requires an attached LOTO information tag. • Keyed in groups by department. • Used to coordinate work crews. • Requires an attached LOTO information tag and: 1. Hasp on master lockboxes (red) (coordinate work) 2. Lock directly on lockboxes (red) (LOTO continuity only) or 3. First lock on a satellite lockbox (yellow) (coordinate work).

Rev. 0, Issued 06/09/2016

Rev. 2, Issued 05/13/2024

Attachment B, Example LOTO Tags

Example of tagout devices





Example of TPG tags

SOUTHERN COMPANY GENERATION	
TEMPORARY PROTECTIVE GROUND TAG	
LOTO number TPG tag number	-
5-6794 11/16	Southern Company

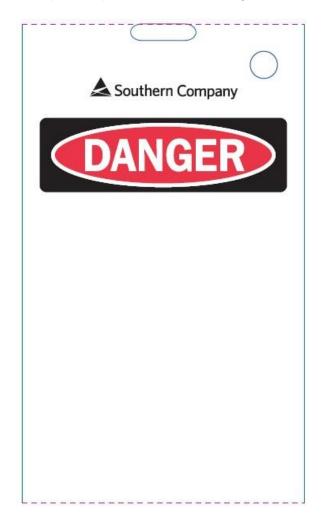
CAUTION

Do **NOT** Remove This Grounding Device Unless Authorized By The LOTO Holder

Example of LOTO Information Tag

	LOTO INFORMATION TAG
NA	ME:
CO	NTACT #:
со	MPANY:
Che	ck if Applicable
SA SA NO	TO COORDINATOR 3rd Party Grounds Installed (TPG's) Quantity: IELLITE BOX Maintenance Release N LISTED/VISITOR Alternate Accountability Responsible Person

Example of Operational Control Tag





Attachment C, Example Temporary LOTO Records

Rev. 0, Issued 06/09/2016 Rev. 2, Issued 05/13/2024

Southern Compa				Southern	Company
Request #:	Equipment		Equipment	#:	
LOTO Information					
Plant:	Requested By:	Designated Operati	ng Area:	Date/Time Needed	t:
Reason for LOTO:					
Special Instructions:					
Comments	•				
Approved By: (Print)		Signature:	Dat	te: Tin	ne:
		Page 1 of 1			

	thern Company Ge O ISOLATION Reco		ion						Sout	therr	n Company
LOT	O #.	Equip	ment:				E	quipmen	t#:		
Plant		Reque	ested By:				D	ate/Time I	Needed		
	on for LOTO: ial Instructions:										
Issue				Lock Box #:				Single	e Locks:		
Exec	uted By:		Signature		Verified By			·	Signatur	е	
		Boundary						Operating Area			
Tag #	Device		Device #	Position	Tag Type	Locking Device	Executed By	Test Method	Test Perf By	Verifier	Notes:
			•	Page	1 of 3						

South	ern Company Gen	eration					A
	TEST RELEASE Red						Southern Company
LOTO	#.	Equipment				Equ	uipment #:
LOTO Plant:	Information	Demosted De				Det	e/Time Needed:
	n for LOTO:	Requested By:	:			Date	e/Time Needed
	n for Test						
Issued	Ву:			Lock Box#			Single Locks:
Execute	ed By:		Signature	1			
		Boundary			Formulad		Operating Area
Tag#	Device		Device #	Position	Executed By		Notes:
		_		_			
		_					
				Page 1 of 2	L		
				rage (OT2			

Southern Company Generation					_	
LOTO LOCK EMERGENCY REMOVAL Record		-	_ 50	uthern	Col	mpany
LOTO #. Equipment:		Equipn	nent#:			
LOTO Information Plant: Requested By:		Date/Ti	me Nee	ded		
Reason for LOTO:						
Special Instructions:						
Lock Holder:	Loc	k Removal Requested by:				
LOTO Coordinator or Lock Holder Supervisor (Print):	Signature		Date		Time	
Plant Manager/Designee (Print):	Signature		Date		Time	
Lock Holder Signature upon return to plant site	Signature		Date		Time	
	Page 1 of 1					

LOTO #.		<u></u> 50	A Southern Company				
1	Equipment:		Equipment #:				
LOTO Information Plant:	Requested By:		Date/Time Neede	ect			
Reason for LOTO:							
Special Instructions:							
Original LOTO Coordin	nator:						
_		Transfer Records					
LC	OTO Coordinator		Date	Time			
		Comments					
		Comments					
		Page 1 of 1					

Attachment D, Example Non-listed/Visitor Lock Index

Lock#	Name	Company	Contact #	Supervisor	Supervisor #	Training Date	Lock Issue Date	Lock Return Date
_								

Attachment E, Revision History

Rev. 0 06/09/2016 Approved by Ted McCullough

Remarks: Issued.

Rev. 1 01/01/2018 Approved by Kim Greene

Remarks:

No rev bars were applied in this revision. In header, replaced "lock out tag out" with "lockout/tagout"; deleted words "machine or" from phrase "...the machine or equipment is isolated...." (global changes). Replaced word "employee" with word "worker" (1.1, Purpose). Added first bullet "Electrical energy sources less than 50V"; added paragraph beginning "When external maintenance or servicing...."; added paragraph beginning "Details of the LOTO program...." (1.2, Scope). Added definition for "active LOTO file"; added NOTE after definition of "authorized employee"; deleted term "contractor lock" and definition; modified definition of "energy source" by adding qualifier "(50V or greater)" after word "electrical"; added term "isolation test" and definition; deleted term "isolation verification" and definition; added definition for "personal protective lock"; deleted term "simple LOTO" and definition; added term "system break" and definition; deleted NOTE following definition of term "temporary protective ground (TPG) tags" (2.1, Definitions). Deleted NOTE; deleted paragraph beginning "When external maintenance...."; deleted paragraph beginning "Details of the LOTO program..." (4.0, Procedure). Simplified explanation of process and eliminated steps (4.2, Simple LOTO). Edited step "1. Requestor identifies equipment...."; added NOTE after step 2; added NOTE after step 8; added NOTE after step 10; edited step 12 and yes/no statements; modified steps 13 through 20 (4.3, Develop LOTO Record). Edited NOTE after step 3; after step 7, added reference to SCG-SH-0230, Temporary Protective Grounds; rewrote and rearranged steps 11 through 24 (4.4, Isolate Equipment). Added NOTE after step 6; added NOTE after step 7 (4.5, Verify Isolation). Rewrote steps 10 through 18 (4.7, Maintenance Release). Merged and edited steps 2 and 3; added NOTE after step 11; added step 14 (4.8, Work Completed). Deleted step 13 (4.9, Release LOTO). Added step 1 (4.10, Suspend Work). Added NOTE after step 2; added step 18 (4.11, Testing). Added NOTE after step 10 (4.12, Modify Boundary). Added NOTE after step 4; added NOTE after step 5; added step 6 (4.13, Nonlisted/Visitor Lock). Section rewritten (4.14, Lock Emergency Removal). Section heading changed from "LOTO Record Review" to "LOTO Periodic Inspection"; section rewritten (6.1, LOTO Periodic Inspection). Edited attachment A, Example Lockout Devices.

Updated 02/24/2022

Approved by Generation Acceptance Committee

Remarks:

In definition for term "lockbox," edited phrase to read "one or more satellite lock(s) (yellow)" (2.2, Definitions). In description of satellite lock, edited third bullet to read "Keyed individually (one key and one lock) or in sets (one key and multiple locks) (to corresponding yellow box)" (attachment A). Added link to FAQ (2.2).

Updated 12/05/2022

Approved by Generation Acceptance Committee

Remarks:

Updated 5.0, Training, to reflect changes in training practice and recordkeeping. Updated example of LOTO Information Tag (attachment B).

Updated 07/13/2023

Remarks:

Updated organization names.

Rev. 2 05/13/2024 Approved by Stan Connally

Remarks:

Edited definition of "isolation test" concerning the use of voltage indicators (2.1, Definitions). Added reference and hyperlink to Southern Company Records Retention Schedules (2.2, References). Moved Training to 4.0 to be consistent with other Safety and Health procedures; moved Procedure to 5.0; adjusted "see" references as needed. Added language clarifying the use of an isolation lock on a TPG (5.4, Isolate Equipment). Deleted language and note concerning installed voltage indicators (5.5, Verify Isolation). Edited language concerning coordinator locks (attachment A, Example Lockout Devices).