See which procedures use this document

ockout and Tagout (LOTO) Written Instruction Form	Lockbox/Controlling Orga	anization (CO) Tag Numb	er (if applicable):	COPY □
Facility/Workspace:	Work Document:			Page 1 of 7
Specific Isolated Component/System:				
Isolation Boundary Determined By:	☐ Walkdown ☐ Use	e of controlled as-built drav	vings/databases (list):	
	\square Other (standard operating p	procedure, technical instruc	ctions, etc.):	
Potential Hazardous Energy Types and	Magnitude:			
\square Electrical (Needs to include an Electric	ical Work Permit or Electrical W	/ork assessment):		
☐ Pressure:	□Thermal:	☐ Potentia	al/Mechanical:	
☐ Chemical:	□Other:			
LOTO Type: ☐ Authorized Worker (AW)) with Written Instructions	☐ Controlling Organizati	ion with Written Instruction	s
Special instructions/comments: ☐ Safe	e-to-Work Check by AW Rep.	☐ Temporary Lift (use th	ne <u>Lockout and Tagout Te</u>	mporary Lift form)
□ Tem	porary Protective Grounding	☐ Tagout Plus	☐ Other (describe):	
(If performing Tagout Plus, document th	ne additional measures here.)			
Method to perform system isolation check (Identify a system isolation check for each for the absence of voltage on potentially	ch energy type identified above	-		

Send completed forms to Worker Safety and Health Records.

The fo	The following isolation steps are required to be performed in sequence: Yes No Page 2 of 7							
SECTION B			SECTION C		SECTION D			
	Energy Isolating De Component ID and Desc		Component Location	on	Required Component Position	Installed	Verified	Removed
1.								
2.								
3.								
4.								
5.								
6.								
7.								
8.								
	Preparer (Sections A and B Technical Reviewer:	3): Print Print			Sign Sign		Date Date	
	Installation Authorized by C			Insta	allation and System Isolation	Check Com		
SECTION E	Print Date Per Telecon □	Sign		Print		Sign	pioto.	
	Removal Authorized by CO	(Section D):		Rem	oval Complete:			
	Print	Sign		Print		Sign		
	Date Per Telecon □			Date	•			

L	ockout and Tagout Written Ins	truction Form Continuation Sheet			
Facility/Workspace:	Work Document:			Page	3 of 7
Isolated Component/System:					
	SECTION B		SECTION C		SECTION D
Energy Isolating Device Component ID and Description	Component Location	Required Component Position	Installed	Verified	Removed

Lockout and Tagout	t Written Instruction Form Review Continuation Sheet	
Facility/Workspace: Wo	rk Document:	Page 4 of 7
Isolated Component/System:		
Authorized Worker Written Instruction Review		
	ons, and understand the hazardous energy sources involved. I	
hazardous energy sources is (are) adequate to perform th are any changes to the hazards or work scope, or if the co	e work scope. I will stop work and request a reevaluation of the	ese written instructions if the
Print Name	Signature	Date
Time rame	Oignature	Date

Instructions

Order of Signatures

- 1. The individual who authored the written instructions (Sections A and B) signs and dates Section E.
- 2. The individual who performed the technical review of the written instruction's (this needs to be a different person than the author) signs and dates Section E.
- 3. The CO signs and dates the "Installation Authorized" field in Section E to authorize the locks or tags to be hung based on the written instructions.
- 4. The individual who hangs the locks or tags based on the written instructions checks the box(es) in Section C associated with each isolation point after isolating each point.
- 5. The individual who conducted the verification places their initials in the cell(s) in Section C associated with each isolation point.
- 6. The individual who hung the locks or tags based on the written instructions performs the system isolation check(s) and signs and dates the "Installation and System Isolation Check Complete" box in Section E.
 - Note: Steps 5 and 6 may be performed concurrently or sequentially.
- 7. Authorized workers may be authorized to begin work. The authorized workers sign the "Authorized Worker Written Instruction Review" section after attending the pre-job brief and reviewing the written instructions.
- 8. Once work is complete, the CO signs and dates the "Removal Authorized" box in Section E to authorize the removal of locks or tags.
- 9. The individual who removed the locks and tags checks the box(es) in Section D associated with each isolation point.
- 10. The individual who removed the locks and tags signs and dates the "Removal Complete" box in Section E.

Section A

- Facility/Workspace: Enter the location that the Lockout and Tagout Written Instruction Form will be used (325 Radiochemical Processing Laboratory [RPL], 3020 Environmental Molecular Sciences Laboratory [EMSL], etc.); may include the room number if the LOTO points are in a single space.
- Work Document: The number/title of the document controlling the work (standard operating procedure [SOP], service request, test instruction).
- Lockbox/CO Tag Numbers: Enter the number of the lockbox or CO tags used for controlling organization LOTO.
- Isolated Component/System: The specific component or general system that will be serviced or maintained (Fire Suppression System, distillation column #1).
- Isolation Boundary Determined by: Methods and documents used to determine what boundaries are to be used.

- LOTO Type: Authorized worker or controlling organization.
- Potential Hazardous Energy Types and Magnitude: The specific types of energy that the LOTO is isolating and the amount of hazardous energy present; this information must be communicated to the workers.
- Special Instructions: Amplifying instructions that apply to these written instructions, including any necessary re-energization steps. When applicable, add instructions regarding coordination with other jobs or tasks in progress and include the staff member responsible for coordination. If applicable, include any necessary re-energization steps that may be necessary. When performing Tagout Plus, identify the additional specific control that will be used to prevent inadvertent energization.
- Method to Perform System Isolation Check: The specific way each hazardous energy types is verified isolated (use of a meter, system indications, attempt to start). If the system isolation check involves the use of a contact meter to test for the absence of voltage on potentially energized components, follow the Electrical Hazard Assessment or Electrical Work Permit.

Section B

- Energy Isolating Device, Component ID, and Description: The specific equipment/component identification (HPS-VLV-101) and description (Heat exchanger #1 inlet) of the component having the LOTO applied.
- Component Location: Location specific enough to be located by someone familiar with the facility.
- Required Position: The position of the component in order to isolate the source of hazardous energy (CLOSED, OPEN, BLOCKED, INSTALLED).

Section C

- Installed: Initial box when lock and tag is installed on the energy isolating device.
- Verified: Verifier initials in the box next to each installed energy isolating device after validating it has been installed correctly.

Section D

Removed: Check box when lock and tag is removed from the energy isolating device. Conduct appropriate tests and visual inspections before
removing the isolating device. Inspect the area and equipment to verify that nonessential items are removed, and the system is safe to be returned
to service.

Section E

- Signed by the LOTO trained worker who completed the technical review (sections A and B) of the Written Instruction Form.
- Installation Authorized by Person in Charge: Signed by the controlling organization authorizing installation of the locks and tags on the component/system. If installation authorization is obtained via telecom, check Per Telecom box.

- Installation and System Isolation Check Complete: Signed by the controlling organization representative or authorized worker who installed the locks and tags and completed the system isolation check.
- Removal Authorized: Signed by the controlling organization authorizing removal of the locks and tags from the component/system. If removal authorization is obtained via telecom, check Per Telecom box.
- Removal Complete: Signed by the controlling organization representative or authorized worker who removed the locks and tags.