

Brookhaven National Laboratory/ Photon Sciences Directorate			
Subject:	Lockout/Tagout (LOTO) Requirements		
Number:	LS-ESH-PRM-1.5.1	Revision:	12
		Effective:	July 28, 2011
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Prepared By: T. McDonald		Approved By: R. Chmiel	Approved By: A. Ackerman
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*Approval signatures on file with master copy.

[Revision Log](#)

All Photon Sciences Directorate Staff, Users, Facilities and Operations personnel, personnel from other BNL departments, and sub-contractors working within the Photon Sciences complex are required to comply with the requirements and limitations set forth in the BNL SBMS Subject Area, [Lockout/Tagout \(LOTO\)](#).

There are some additional elements to consider at the Photon Sciences Directorate regarding LOTO listed below. Note that these requirements do not apply to BNL Facilities and Operation personnel.

- All Photon Science LOTO implementation requiring red tags must be logged in the appropriate facilities LOTO log book. There are currently five LOTO log books maintained at Buildings 725, 729, 820, 832 and 740.
- Log books are formatted with column headers: Tag #, Date out, Location, Lock #, User, Date Returned.
- Performing electrical LOTO zero energy verification measurements requires personnel to, “Work on or Near Energized Conductors.” This work must meet the requirements contained in [PS ESH PRM 1.5.0](#).
- Lockout tags active for more than a year are identified in the NSLS Control room LOTO database. These tags are reviewed annually to ensure the legibility of the tag and to reaffirm the need for the long term lockout.

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PHOTON SCIENCES DIRECTORATE REVISION LOG

Document Number:	LS-ESH-PRM-1.5.1	Review Frequency
Subject:	Lockout/Tagout (LOTO) Requirements	3 Years
Review signatures on file with master copy of controlled document		
Rev	Description	Date
3	Original Document release	08/11/98
4	Section 1.2 and 2. have been rewritten	08/28/01
5	New Attachments added (Nos. 3.3, 3.4, 3.5)	03/28/02
6	New Attachment added (No. 3.6)	07/28/03
7	Document underwent major revisions to reflect NFPA 70E requirements.	01/28/05
8	Multiple Use Red Tag program has been terminated; all text references have been deleted.	04/08/05
9	Section 1.3 text was changed to clarify that two separate LOTO logbooks exist, NSLS and DUV-FEL. Section 2.2 text was changed to clarify training requirements for non-electrical LOTO.	01/09/06
10	PRM 1.5.1 now points to the requirements in the new BNL LOTO Subject Area. In addition, requirements for the newly established long term logbook have been added to the PRM.	5/21/2007
11	Added a section to the PRM to give NSLS personnel the authority to perform lock only maintenance work.	6/23/2008
12	Changes made to reflect expansion due to NSLS2. Several elements deleted as they are now covered in SBMS.	7/28/2011