

LOTO

Practices

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BROOKHAVEN NATIONAL LABORATORY

LOTO NEWSLETTER

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LOTO Observations

Of the forty-nine LOTO-related observations conducted from January to June 2016, forty-six had no noted issues. The three remaining observations cited issues with completing and logging LOTO tags. One recorded that the company name of a contractor was not included on a tag. Two other observations noted a tag that was not logged in the organization's log book as required by the Line Organization.

Number of noted items for improvement by LOTO sub-process January through June - 2016

LOTO Training	0
LOTO Planning	0
LOTO Application	1
LOTO Removal	2

LOTO Surveillance Analysis

Noted items for improvement January through June - 2016

- Contractor company name not included on LOTO tag
- Tag not logged per Line Organization requirements

LOTO/Electrical Safety Forums

During the last two weeks of June 2016, forums conducted by a team of knowledgeable staff from F&O and ESH will be held to address questions and topics received from the field. The questions were submitted by LOTO Authorized staff and relate to LOTO and electrical safety. The forums will address the requirements for:

- Interface between staff with the Line Crew when performing service and maintenance
- Boundaries and barriers related to LOTO
- Access of staff into work areas
- Energized electrical work
- LOTO'ing multiple isolation points
- Two person rule and PPE
- Working on equipment that is out of service
- Depressurizing systems and LOTO
- Contractors and LOTO training

Come and join us for the forums. They are being held in Berkner Hall on Friday June 24th at 2 pm and Monday June 27th at 1 pm. Please check with your supervisor before attending either session.

Consider the possibility of unexpected fan movement

Remember that air flow can cause a fan to turn even when the electrical power supply is LOTO'ed.

At another national laboratory, a subcontract employee injured his right ring finger while working on an air handler. The subcontract worker was performing preventive maintenance on the air handling system under a simple LOTO. The LOTO isolated only the electrical energy for the fan, but did not take into account the potential hazard of unexpected movement of the fan or belt caused by air flow or other sources.

During the job, the worker placed the palm of his right hand on the belt and wrapped his fingers around it. Without warning, the fan started to rotate, pulling the worker's hand into the pulley. The worker was able to manually reverse the belt with his left hand to free his right hand and reported his injury. Medical examination revealed severe trauma and a broken bone in his right ring finger.

Always ensure that you have LOTO'ed all sources and types of energy, active and stored, before beginning work.

The LOTO Practices Working Group (LPWG) meets monthly. If you have a LOTO question, you can contact any LPWG member identified on the left side of this newsletter.