



**US Army Corps  
of Engineers®**  
Engineering and Support Center,  
Huntsville

# Safety Office

## Mishap Lessons Learned



**Subject:** Electrical and Fall Injury Mishap

**Event:** While working from an 8' ladder to retrofit a light fixture, a contractor felt a shock on his hand, lost his balance, and fell resulting in abrasions to the arm and elbow. Power was locked out at the local wall switch, not the breaker.

### Root Cause(s):

- Failure to adequately test all electrical conductors to confirm a de-energized state prior to commencing work.
- AHA not consistent with Hazardous Energy Control Plan (HECP) and Equipment Specific LOTO Procedures (AHA allowed LOTO at wall switch).

### Recommendations:

1. Ensure AHA, HECP and Equipment Specific LOTO procedures are aligned.
2. Complete Hazardous Energy Control at breaker, not at wall switch.
3. Implement electrical PPE in accordance with NFPA 70E until circuits are positively verified zero energy.
4. Enforce HECP through daily and monthly inspections.
5. Provide retraining and disseminate incident and lessons learned throughout projects where electrical work is involved.

