

Take 5 for Safety

E. Lessard
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BROOKHAVEN
NATIONAL LABORATORY

a passion for discovery



Inspector General (IG) Visit, April 13 to 17, 2015

- Documents requested:
 - C-AD procedure: roles and responsibilities associated with the development, documentation, review, installation, and removal of a lockout/tagout -
[2.36 Lock and Tag Program for Control of Hazardous Energy](#)
 - C-AD procedure: methods for the analysis of hazards and implementation of hazard controls in the work planning and execution process (excavation, digging) –
[2.28 CA Procedure for Work Planning and Control for Operations](#)
[2.29 CA Procedure for Enhanced Work Planning for Experimenters](#)
 - Work planning documents including subcontractor documents
 - Digging and excavation permits

What May Have Been a Causal Factor for the IG Visit?

- On November 7, 2013, during a job to install a replacement Building 928 ventilation system, a contract worker cut through a conduit embedded in the 6-inch thick concrete floor
- The conduit contained an energized (110VAC) single circuit for a series of electrical receptacles in the Building 928 mezzanine
- There was no indication that the utility was severed until examination of the waste cores revealed the cut conduit in both concrete cores
- On November 12, it was learned the conduit had been energized when cut
- The worker performing the core drilling had proper PPE (electrical insulating gloves) and the core drill was plugged into a GFCI which did not trip
- The circuit breaker was found in the tripped position
- There were no injuries
- Although GPR scans and Concrete and Masonry Aggressive Penetration Permitting procedures were used for verifying that it was safe to initiate core drilling, this method is not 100% effective
- Preventive Safety Action: The core drill operator wore proper PPE to protect from unknown electrical hazards in the location of a core drilling operation

Interview Tips – Attitude

Silence is okay

- don't feel obliged to fill a void with verbiage
- don't volunteer additional/tangential information

Portray a positive attitude

- this is not the best forum for venting your complaints; follow the management chain for feedback
- audit findings = resource consumption; fewer findings allow us to focus limited resources on priority issues

Be honest, courteous and pleasant, respectful and professional

- be truthful about problems
- **mention corrective/preventive actions** planned or taken
- don't get defensive or violently defend your work – keep your cool

Actually, You Have To Do More Than Just “Think”

