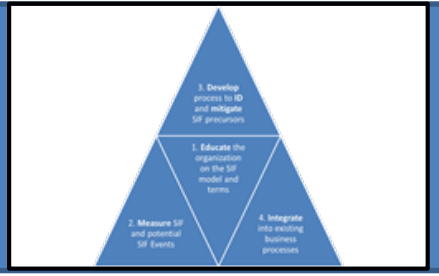
RAPID FIRE COMMUNICATION

Potential SIF – Electrical/ Lilly Corporate Center
June 2018



Contractor Potential SIF Event Description:

- Iron Workers
- LCC – M74 Façade Project
- While using a GBL powered work platform, two occurrences of 480V power cable damage occurred. Both events were the result of the power cord being damaged due to the movement of the platform. The first event; the power cord was not placed in the basket, attached to the platform, designed to hold the cord while platform is moving. The cord hung down from the platform and eventual the weight/pressure resulted in the cord insulation being pulled away, exposing live wires, and arcing. The second event; the power cord was damaged when the platform pinched the cord against the structure. While the platform was moving laterally, the cord hung down between the moving platform carriage and the structural steel resulting in the power cord being pinched and cut. In both events the fuses were blown, no workers experienced electric shock.

SIF Precursors/Causal Factors:

- The hazards of the pinch points and placement of the power cord were not identified in the use and movement of the platform.
- The training module was not specific and did not call out the differences between the two GBL systems.

Safety Lessons Learned/ Recommended Follow-ups:

- Ensure workers are adequately trained on the tools and equipment that will be used for completion of tasks. If new or unique equipment is to be used on a job, equipment specific training is to be provided to ensure operators understand proper controls, equipment operating hazards, and how to mitigate the hazards.
- Engineer controls, to remove human error and potential hazards, should always be a top priority when implementing corrective measures. In this situation, the project relocated the power supply to keep the power cable out of the line of fire instead of relying on a person to monitor the cable as the platform was moved.

The power cable for the work platform is capable of moving with the system horizontally and vertically. Cable was not properly protected resulting in damage to cord.

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