

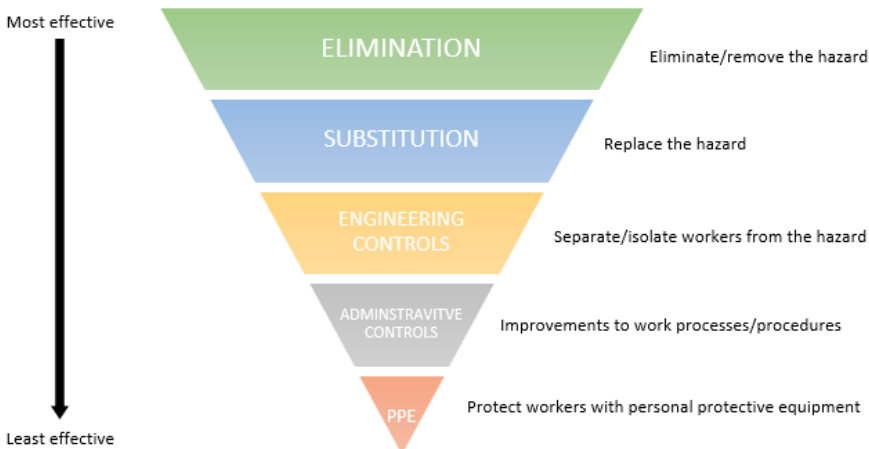
## AEROSOL BATTERY TERMINAL PROTECTOR & FIRE

A service person was performing routine battery maintenance using an aerosol battery terminal protector on a haul truck's batteries. While spraying the aerosol onto the battery terminals of the haul truck, the spray can simultaneously contacted the positively charged busbar and the battery box lid strut, immediately causing a short circuit.

The contact created an immediate arc that melted a hole in the bottom of the aerosol can. The contents of the can instantly burst from the hole, igniting, and producing a fireball. The service person suffered first and second degree burns to their right hand, arm and face. Nitrile barrier gloves were being worn and the heat from the flames caused the glove to melt to the hand, creating complications during treatment.

### Recommended controls

Risk assessments should be completed for all tasks and when a task changes. Assessments encourage workers to stop and take a moment before conducting work to analyze the task and to identify hazards – both evident and subtle, and assess and control any associated risk. Assessing risk should be an everyday practice.



Appropriate control measures should be taken to reduce or eliminate any risk, allowing workers to perform the task safely and successfully. The hierarchy of controls (see left) should be used when implementing controls.