

Incident Learning: What happened?

- A collection of incidents relating to filter replacement on a pressure system at Retail sites.
- Inspection and replacement of fuel filters is commonly performed throughout all Pressure Fuel Systems installations to maintain fuel quality and restore the dispenser flow rate which could otherwise have been compromised due to clogging.
 - **Mexico:** Major release of gasoline which drenched a Technician and was subsequently ignited due to static generation from his clothing. **Fatality**
 - **Turkey:** Major release of gasoline whilst trying to “Fix” damaged filter. Site Manager drenched in fuel but there was no ignition. **Material release.**
 - **South Africa:** Flash fire broke out when the Technician was cleaning filter cartridge during replacement. **Minor burns on face and arms**



Incident Learning: What are the common causes?

- Lack of Energy Isolation both Mechanical and Electrical.
- Inadequate procedures.
- Technicians, not adequately trained.
- Poor hazard identification and risk assessment.
- Not using proper PPE
- Lack of emergency response training and awareness of safety systems

What are the learnings for implementation?

- Isolate all sources of energy when breaking containment from fuel systems, even if the task may take few minutes to complete.
- Develop a system that checks whether Technicians working on your sites are trained and that they use approved risk assessed procedures for the routine tasks.
- Develop systems to provide oversight on work done by contractors. Check for potential Human error situations on the tasks. Check whether contractors really understand the hazards and risks associated with these tasks.
- Train dealers/Site Managers on site's safety systems and how they function to ensure that they will respond correctly in case of an emergency.