



Learnings From Incident- **CABE System Failure** **Cleaning Tank C-10**



CABE System Failure Cleaning Tank C-10



Feb 2019

Same Location, Equipment, Contractor and Task

Feb 2024

- Cleaning Tank C10 at Killarney Tank Farm
- Erratic air supply to face mask so worker exits tank
- Before exiting the tank, air supply stopped, and employee held breath until reaching the exit
- Outside tank, mask removed and able to breathe

Learnings

- No user test before entry – checklist introduced
- Defective equipment - masks subject to checks

- Cleaning Tank C10 at Killarney Tank Farm
- One air supply cylinders registered low pressure
- Bottle watcher signalled for two personnel to exit tank
- Personnel remaining lost air pressure, wrong bottle closed out
- One escape set cylinder did not operate as empty

Opportunities for Improved Learnings:

- Checklist not used - solution not effectively deployed:
 - Checklist incorporated to all Fresh Air Entry requirements
- Defective Equipment – focus was on a particular component vs recertification &/or maintenance of the entire system:
 - Replacement strategy developed.

Tank C-10



Fresh Air Equipment

Door Sheet

Safety Watcher
ideal location

12 Meters

Bottle Watcher

Safety Watcher

Static Super Sucker

Side By Side 2 Bullet Tanks