

**COLORADO** Department of Labor and Employment

Division of Oil and Public Safety

# There's a hole in the bucket

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# National Trends – Last Decade

- Higher operational compliance
- Reduction in cleanup backlog
- Fewer new releases





### **Spill Containment Testing**

- Ever tested for functionality?
- Not designed to last forever.
- Associated release reported?













#### **Suspected Release**







## **Confirming a Suspected Release**

1. System Test

A tightness test

OR



#### 2. Site Check

Measure for the presence of a release where contamination is most likely to be present.



#### Site Check









#### **Anticipated Impact**

- High failure rates on spill containment testing
- Discover many new releases
- Require investigation and cleanup
- Impact petroleum storage tank fund (PSTF)
- Supply Demand Issues equipment and contractors



### **CROMPCO – Spill Buckets**

- Pilot project in 1995
- Tested the integrity of spill buckets.
- Vacuum tested over 10,000 spill buckets
- Reported failure rates around 60%

#### **National Convenience Store**

- Replaced spill buckets at 115 of their Colorado stores.
- Reported spill bucket failures and associated releases at 70% of their stores
- Sought reimbursement from PSTF for 30% percent of these releases.



#### Lessons Learned

- 60 to 70 percent of the spill buckets will fail integrity testing and result in the discovery of releases that will need assessment and cleanup.
- Don't wait until deadline Supply demand costs will likely go up
- Provide incentive to motivate owners to test and upgrade early, and spread out impact to PSTF.

### Colorado Data Since 2017

- 150 spill buckets replaced/upgraded at 75 facilities
- 69% of these facilities had an associated release
- ~ 20 facilities have already received \$10,000 incentive for upgrading to double walled spill buckets
- 5 of these facilities have already received NFA
- Average spill bucket assessment/cleanup cost without significant contamination is around \$22,800

#### **Questions?**

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