

# UST Closure: In-Place vs Removal

Pro's & Con's

# Missouri Risk-Based Corrective Action Process for Petroleum Storage Tanks

October 17, 2013

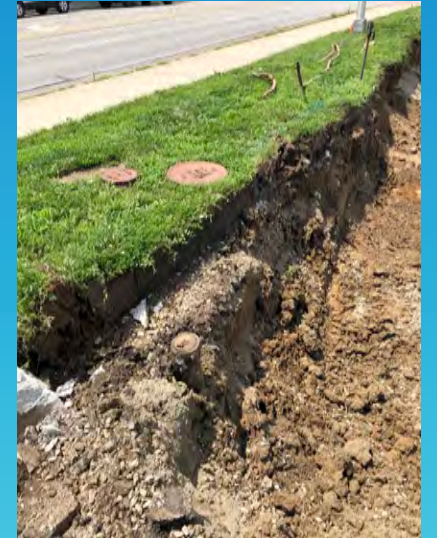
Section 4.0 UST Closure Guidance

# Selection Process

How big is the site?

Are the USTs under a structure/utility?

Other obstacles?



# In-Place vs Removal

## Closure Sampling



Drill Rig/Geoprobe to Native Soil  
Around the UST  
Along Product Line(s)  
Under each Dispenser

MUST Field Screen & Sample if  
Elevated Reading



Grab Samples with Bucket in Native Soil  
Under UST (size  $<>1,000g$ )  
Downgradient Wall (20')  
Under Product Line(s) (20')  
Under each Dispenser

Can Sample Obvious Contamination in Pit

# In-Place Closure Pros & Cons



## Pros

- Requires less Space
- Disturb less Pavement
- Smaller Equipment
- Structural Issues

## Cons

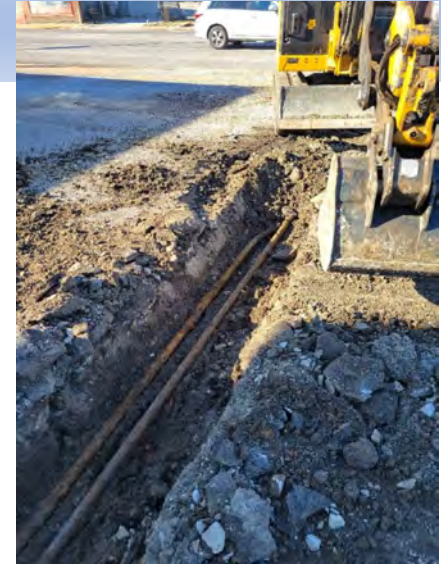
- Unable to Observe Subsurface
- Groundwater or Pit Water
- Must be on Property Deed
- Considered Solid Waste

Future Building Construction Considerations

# Removal Pros & Cons

## Pros

- UST/Piping Removed
- Observe Subsurface
- Excavate Contamination
- Determine GW/Pit Water



## Cons

- Space Consideration
- Disrupt Traffic/Customers
- Pavement Replacement

# Cost & Time Considerations

In-Place Closure and Removal costs generally similar (closure cost comparison only)

Removal allows for excavation of contaminated soils (<200 cubic yards) which may allow for a quicker NFA

In-Place Closure may affect future sales / construction



Tanks closed In-Place may require future removal - \$\$\$



# Tierracon

Explore with us



# Thank you!

## Contacts

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