

Determining the Applicability of the UST Regulations to Field Constructed Tanks and Airport Hydrant Systems

Or

Lessons in How to Draw Bubbles

Russ Brauksieck, EPA OUST

2025 National Tanks Conference

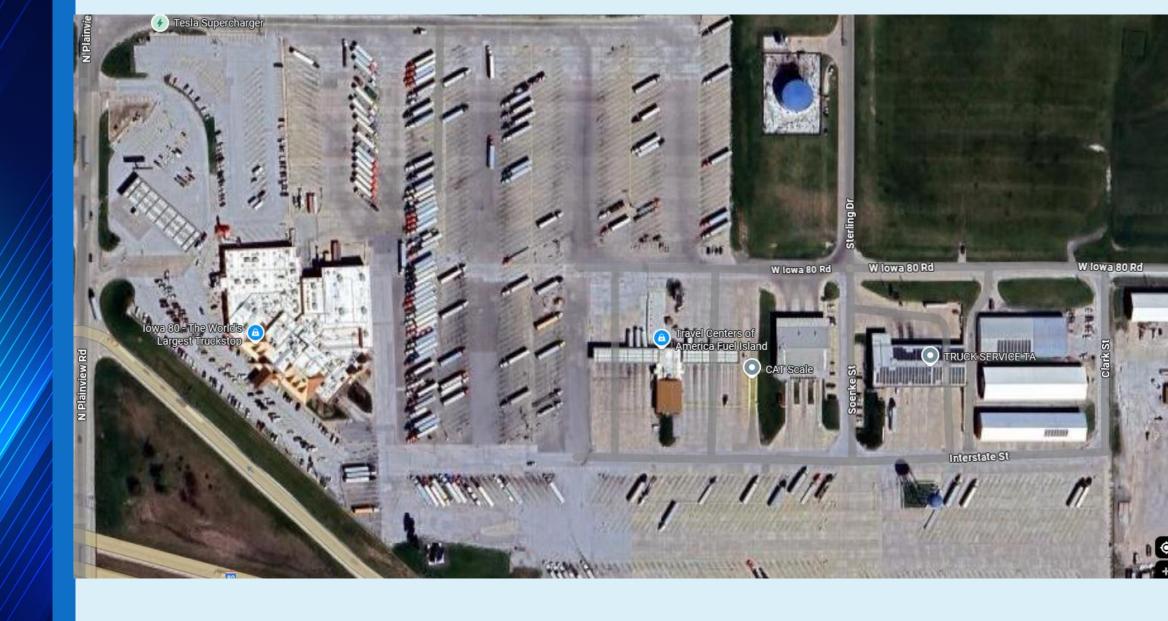
What is a UST system?

UST system or Tank system means an underground storage tank, connected underground piping, underground ancillary equipment, and containment system, if any

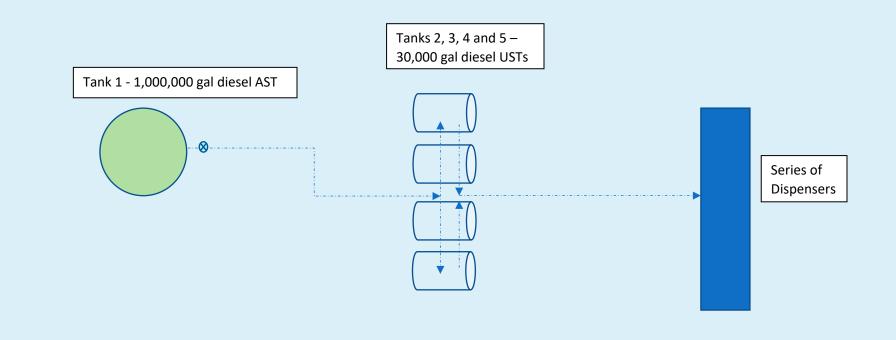
Underground storage tank or UST means any one or combination of tanks (including underground pipes connected thereto) that is used to contain an accumulation of regulated substances, and the volume of which (including the volume of underground pipes connected thereto) is 10 percent or more beneath the surface of the ground.

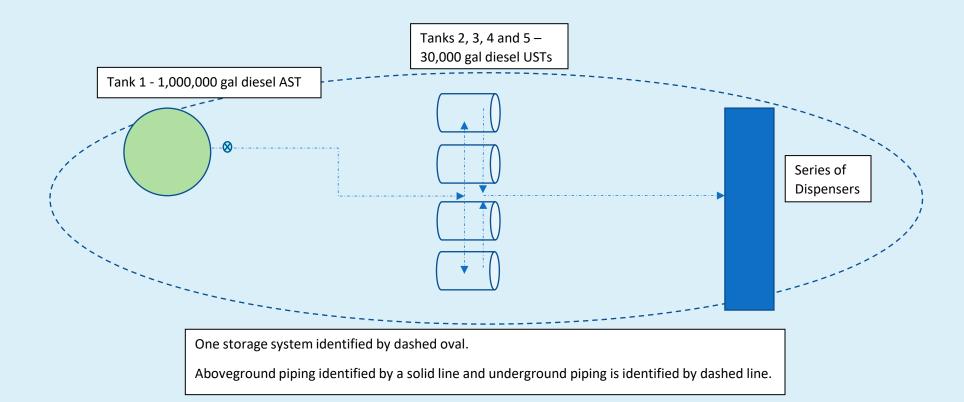
Criteria for Determination

- Tanks are considered a combination of tanks because they are connected by piping
- Tanks connected by piping are only considered a combination of tanks if the tanks are storing the same product.
- A tank storing an additive is not considered to be part of the combination of tanks storing the same product however the resulting mixture of product and additive can be considered the same product if the additive does not substantially change the product.

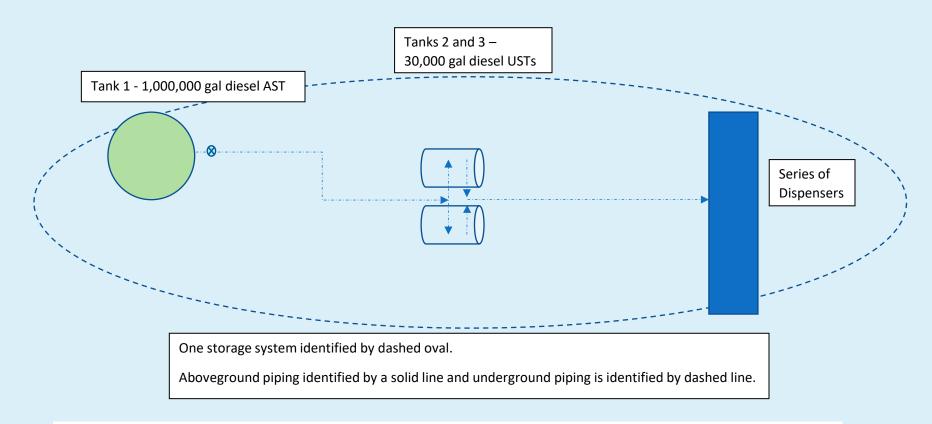




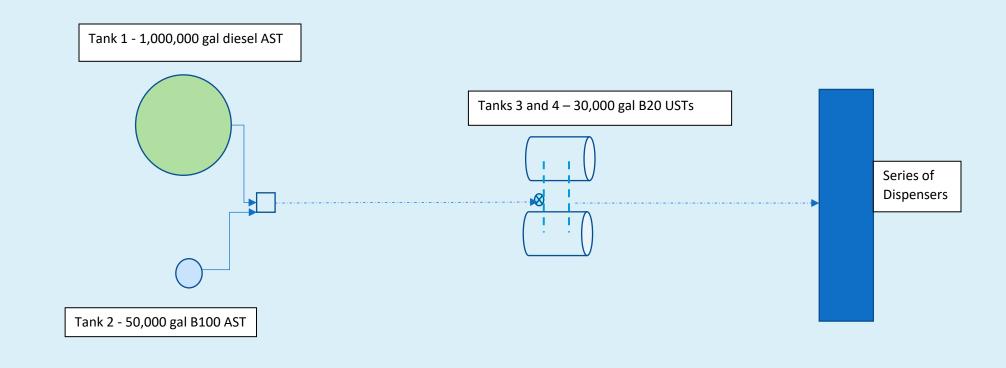


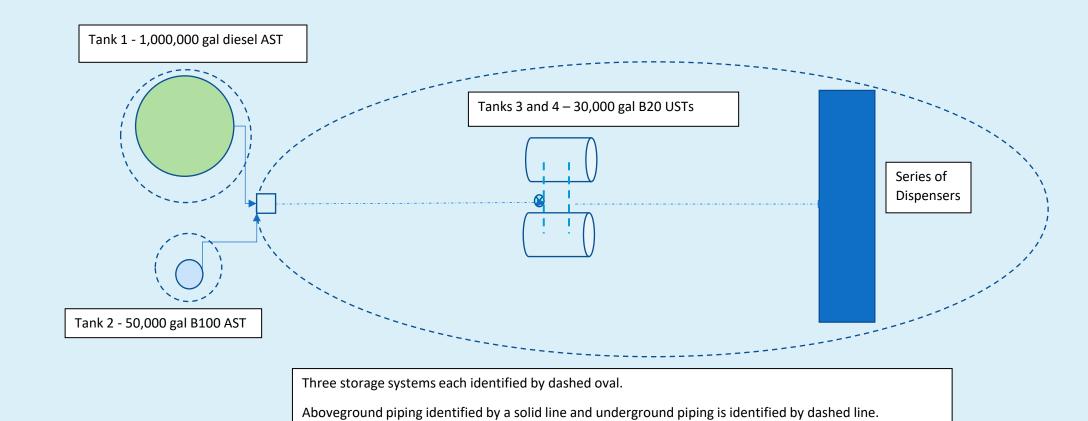


 $\frac{(120,000 \ gallons + 557 \ gallons + 100 \ gallons)}{(1,000,000 \ gallons + 120,000 \ gallons + 557 \ gallons + 100 \ gallons)} = 10.7\% \ underground$



 $\frac{(60,000 \ gallons + 557 \ gallons + 100 \ gallons)}{(1,000,000 \ gallons + 60,000 \ gallons + 557 \ gallons + 100 \ gallons)} = 5.7\% \ underground$





Questions

• Is further guidance needed on how to determine applicability (draw the bubble)?

• Is guidance needed on what requirements are applicable to the tanks (aboveground and underground) and piping?