

**PSTD  
UST SAMPLING LOCATION REQUIREMENTS  
FOR  
REMOVAL-CLOSURE IN PLACE-CHANGE IN SERVICE**

**TANKHOLD**

- 1) Under the fill port end of each tank
- 2) Groundwater (not perched zone or storm water) must be sampled if encountered.
- 3) The downgradient sidewall (if groundwater is present in tankhold, take the sample immediately above the soil-water interface, and 1 to 3 feet into the sidewall).
- 4) Collect samples 1 to 3 feet below the tank or outside the tankhold in native soil.

**PIPING**

- 1) All piping should be exposed. Collect 1 grab sample at each connection or elbow; or at least one grab sample per 20 linear feet of trench.
- 2) Collect samples 1 to 3 feet below trench in native soil.
- 3) If existing piping is being replaced, a line test conducted immediately prior to removal which demonstrates the line(s) are tight may be used in lieu of native soil sampling IF the backfill sample(s) are below action levels. If backfill sample(s) are above action levels, then native soil sampling in line trenches is required to confirm a release.

**DISPENSERS**

- 1) Collect one sample below each dispenser, on supply side.
- 2) If dispensers are located within 15 feet of each other on same fuel island, collect one sample per fuel island, on the supply side.

**BACKFILL**

- 1) Sample excavated backfill from tanks and lines to determine if it can be returned to the tankhold and/or trenches. Contact the Technical Division prior to over-excavation of the tank pit. Take 1 composite sample (made up of 10 grab samples) every 50 cubic yards.
- 2) Confirm disposal requirements with the Technical Division once backfill sample results are received.

**TANKS CLOSED IN PLACE**

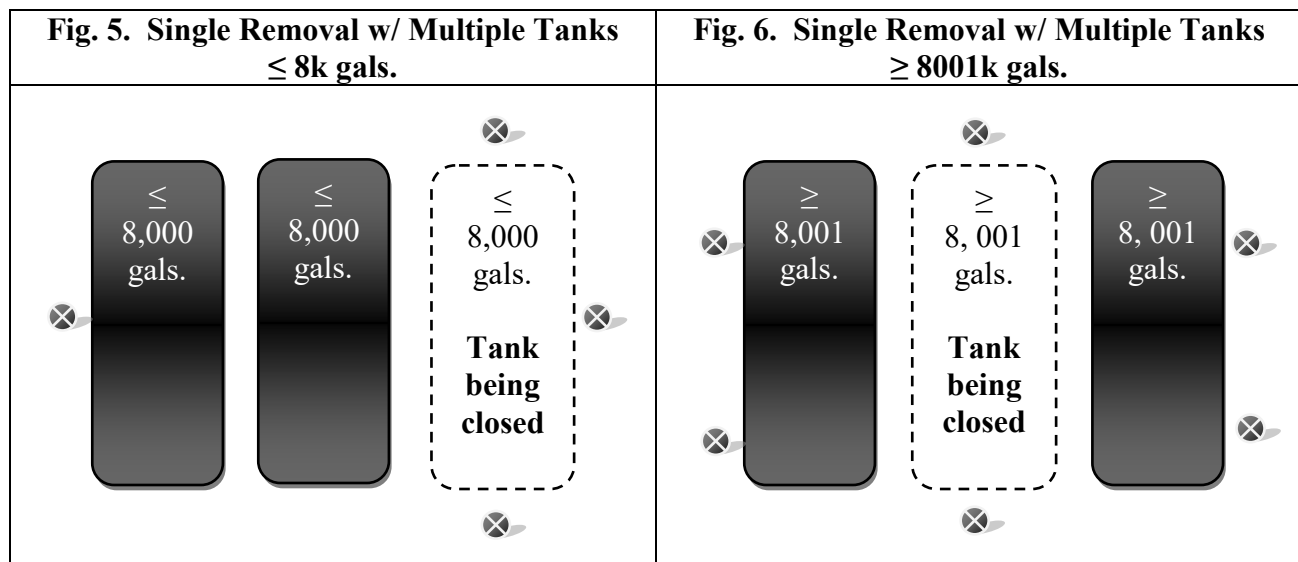
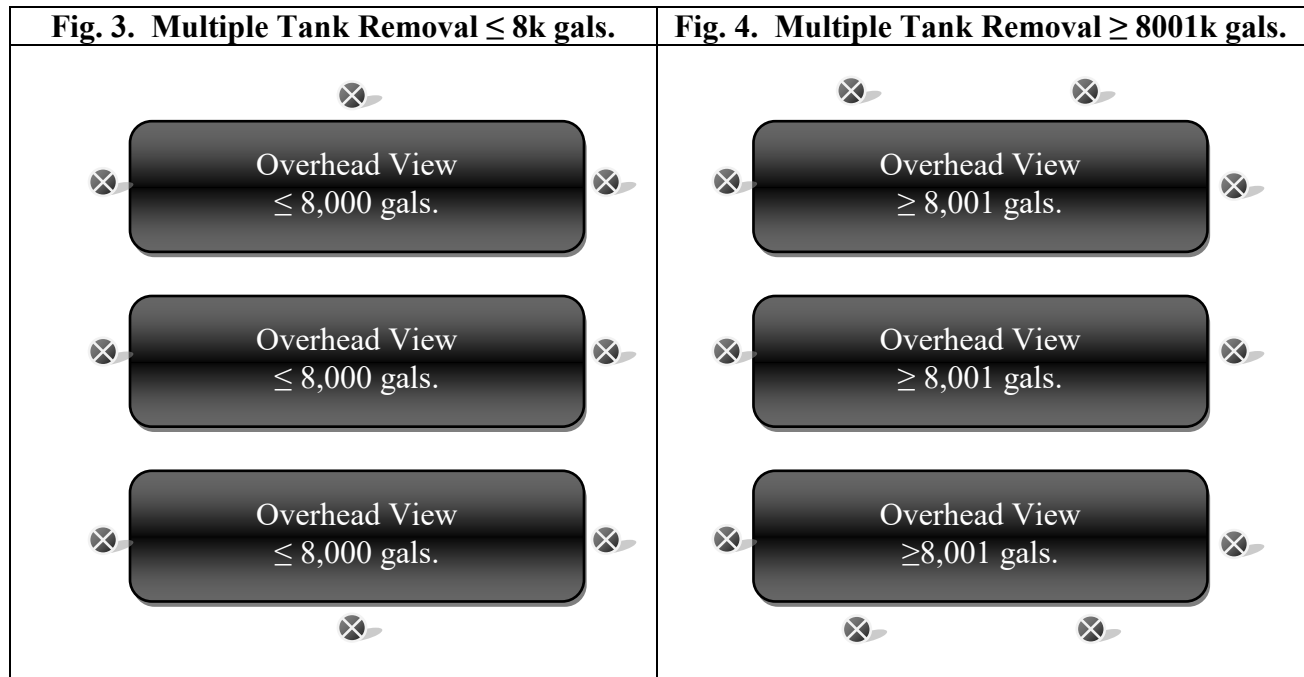
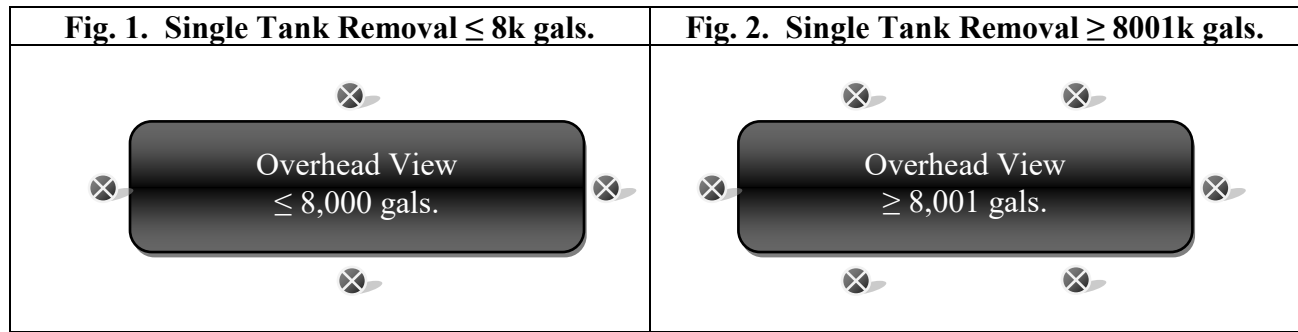
- 1) Drill borings within 3 feet of the tank. The number of borings will depend on the number and sizes of tanks buried. See variance application diagram (attached).
- 2) Place borings in native soil, to a depth of 1 to 3 feet below tank bottoms.
- 3) Groundwater must be sampled if encountered.
- 4) Drill a boring every 20 feet along piping runs, at a depth of 1 to 3 feet below trench bottom.
- 5) Drill a boring within 3 feet of each dispenser (supply side). If dispensers are located within 15 feet of each other on same fuel island, collect one sample per fuel island, on the supply side.

**CHANGE IN SERVICE**

- 1) Same as tanks closed in place. See attached diagram.

# PSTD Sampling Requirements for In-place Closures

⊗ = Boring Location



**\*\* If only one (1) tank within a multi-tank pit is to be closed in-place, the sampling protocol illustrated in Figs. 5 and 6 (depending on the size of the tank) should be used to cover all four (4) sides of the tank pit. Sampling at the ends of the tank will only be required of the tank being closed in-place.**

**NOTE:** Samples should be collected within approximately 3 feet of the tank. Place borings in native soil to a depth of 1 to 3 ft. beneath the tank bottom. If lines are to remain in-place, then borings are required to be drilled every 20 feet along the piping run at a depth of 1 to 3 feet of the trench bottom.