

SAMPLING PROTOCOLS FOR UNDERGROUND STORAGE TANK REMOVALS

The following represents the minimum numbers of samples to be collected. Additional samples may be required by the SJCEHD to adequately characterize the excavation.

- All soil samples shall be collected at a minimum of 2 vertical feet into native material.
- If areas of obvious contamination are observed, they are also to be sampled.
- Samples must be discrete and cannot be combined into a composite sample for analysis in the field or the lab. Each sample must have a set of corresponding analytical results.

TANK – IF WATER IS <u>NOT</u> PRESENT IN THE TANK PIT		
Tank Size	Minimum # of Soil Samples	Location of Soil Samples
Less than 12,000 gallons	2 per tank	1 from below the tank invert, directly below each opposite end of the tank
Equal to or more than 12,000 gallons	3 per tank	1 from below the center of the tank <u>and</u> 1 from below each end of the tank, below the tank invert

TANK – IF WATER IS PRESENT IN THE TANK PIT		
Tank Size	Minimum # of Soil Samples	Location of Soil Samples
Less than 12,000 gallons	2 per tank*	1 from the side wall next to opposite ends of the tank, at the soil/groundwater interface
Equal to or more than 12,000 gallons, or tank cluster	4 per tank*	1 from the side wall next to each end of the tank, at the soil/groundwater interface
<i>*A minimum of 1 water sample shall be taken from the tank pit. The tank pit may be purged and allowed to refill before sampling. The water is to be representative of the water in the tank pit. If water is purged, a hazardous waste determination must be made for all purged water in accordance with Title 22 hazardous waste regulations, and any waste water disposed of under appropriate manifest, as required.</i>		

TANK – IF A SLAB IS PRESENT IN THE TANK PIT	
All samples shall be obtained beneath the slab within native soils. Penetration through the slab will be required in order to collect the samples. Additional soil samples may be required.	

PIPING, DISPENSERS & STOCKPILES	
Connected piping	1 sample for every 20 linear feet and below each pipe fitting
Dispensers	1 sample below each removed dispenser
Soil Stockpile	1 sample per 100 cubic yards of soil, taken between 2-4 feet below the surface of the stockpile

References: *California LUFT Manual: September 2012 (rev. December 2015)*
California Code of Regulations, Title 23, Section 2672(d)