

The Office of the State Fire Marshal
REMOVAL OF UNDERGROUND FUEL STORAGE TANKS

****This form is to be used only as a guide. Final approval is dependent on a favorable field inspection by the Deputy Fire Marshal****

- ⌚ The contractor removing the underground fuel tank(s) shall be licensed for such removal and shall complete the following steps:
 - Obtain a site closure letter from the Arizona Department of Environmental Quality (ADEQ).
 - Apply for a tank removal permit from the Arizona State Fire Marshal's Office and attach a copy of the ADEQ closure letter to the permit application.
 - Give **at least** 72-hours notice to the Fire Marshal's Office for a proposed tank pull.
 - Have the approved issued permit on-site.

- ⌚ An environmental agency shall be on-site for the tank pull and will take samples below and alongside the fuel storage tank as well as along the product supply piping to detect any ground contamination from overfills or tank leaks.

- ⌚ Before starting the project, a safety meeting needs to be conducted by all parties. Hard hats, long pants, a shirt and safety shoes are required. **NO TENNIS SHOES PERMITTED.** A "no smoking" policy will be enforced within the area of the project.

- ⌚ The fuel tank(s) shall be:
 - Emptied completely of original product
 - Triple-rinsed clean after all the product is removed
 - Inerted with either Dry Ice (to lower the oxygen level) or Nitrogen (to lower the explosion risk)

** Dry Ice will require between 15 – 25 pounds of dry ice per 1,000 gallons of tank capacity.

** Nitrogen will require 50 pounds of Nitrogen per 3,000 gallons of tank capacity.

- ⌚ Contractor shall have a calibrated Oxygen Meter / Combustible Gas Meter to measure the oxygen level / Lower Explosive Limits inside the fuel tank(s).

- ⌚ The oxygen level inside the tank must register at 7% or lower on the oxygen meter before the tank is allowed to be pulled.

- ⌚ If tanks are going to be transported, all opening shall be capped and one of those caps shall have a 1/8 inch hole for equalization of pressure in the tank.
- ⌚ Tanks need to display the ADEQ Closure number on both ends of the tank(s).

Ron Gonos
Deputy State Fire Marshal II