



# DESTRUCTION OF WATER SUPPLY WELLS

All water supply wells shall be properly destroyed. An approved Well Destruction Permit must be obtained and a C-57 licensed contractor must be utilized. The following items are minimum requirements. More stringent requirements such as perforating the casing, may be required if conditions warrant.

1. Remove all obstructions, contaminants, and pumping apparatus from the well casing.
2. Measure total depth and casing diameter, calculate amount of sealing material required.

$$\frac{3.14 \times r^2 \times h}{27} = \text{cubic yards (yd)}^3 \text{ of sealing material}$$

r = radius = 1/2 diameter in feet

h = total depth of well in feet

3. Excavate around casing, a minimum of six (6) feet deep. Cut casing one (1) foot above excavation.
4. Flare casing (vertically cut casing a minimum six (6) inches in several places and bend metal outward). An alternate method is by drilling four (4) holes in the casing and installing rebar.
5. Pump an approved sealing material using a tremie pipe from the bottom to the top, allow the sealant to spill over into the excavation to form a cap at least one (1) foot thick.
6. Fill the excavation to grade.

## Approved Sealing Materials:

- Neat Cement
- Class A Concrete
- Sand-Cement Grout (10.3 Sack)
- Bentonite

