

## Well Reconstruction Guidelines

(Does not include Well Deepening)

A C-57 licensed well driller must submit a well inspection report, the reason for the reconstruction, and the proposed methods and materials to be used.

The new inner casing must have centralizers installed throughout the entire depth of the old casing to insure an even annular space. The annulus between the existing casing and the new inner casing, from the top of the gravel/sand pack to ground surface, must be a minimum of two inches, filled with neat cement, sand cement, concrete or bentonite, pumped by means of a tremie pipe from bottom to top.

If the existing well has:

- No seal or the seal depth is unknown, and is
- >100' from an existing septic system, and is
- >1500' from a known contaminated site,  
**A minimum 20' deep inner annular seal is required.**
- A minimum 20' seal, and is
- >100' from an existing septic system, and is
- >1500' from a known contaminated site,  
**The inner annular seal must extend to at least the depth of the existing annular seal.**
- A minimum 20' seal, and is
- <100' from an existing septic system,  
**The existing casing from 50' to the bottom of the existing annular seal must be perforated. The driller must use an approved and measurable method that will force a sufficient amount of seal material into the existing outer gravel pack to completely seal the outer annular space.**
- A minimum 20' seal, and is
- <1500' from a known contaminated site,  
**Must be reviewed by Bill or Joel. If approved, the existing casing must be perforated from the bottom of the existing annular seal to a depth determined by Bill or Joel. The driller must use an approved and measurable method that will force a sufficient amount of seal material into the existing outer gravel pack to completely seal the outer annular space.**
- No seal or the seal depth is unknown, and is
- <100' from an existing septic system,  
**A reconstruction permit cannot be issued.**
- No seal or the seal depth is unknown, and is
- <1500' from a known contaminated site,  
**Bill or Joel will determine whether or not a reconstruction permit may be issued and the required annular seal depth. This may require sampling of the well to show that it is not already contaminated.**

Additionally, if any well has a history of being contaminated by fecal coliform or any other pollutant, it may not be eligible for reconstruction, as a preferential pathway for contamination has already been established.