

General Surface Seal Repair Description:

A 2" thick bentonite seal, extending from grade to at least 18' below grade, is installed around the well casing during well construction. The 2" thick seal is damaged when the pitless adaptor style pump connection is made below grade. Seal repair is *required* prior to WAVE release.

The repair itself is fairly simple; the attachments are examples of good seal repairs. The basic steps are as follows:

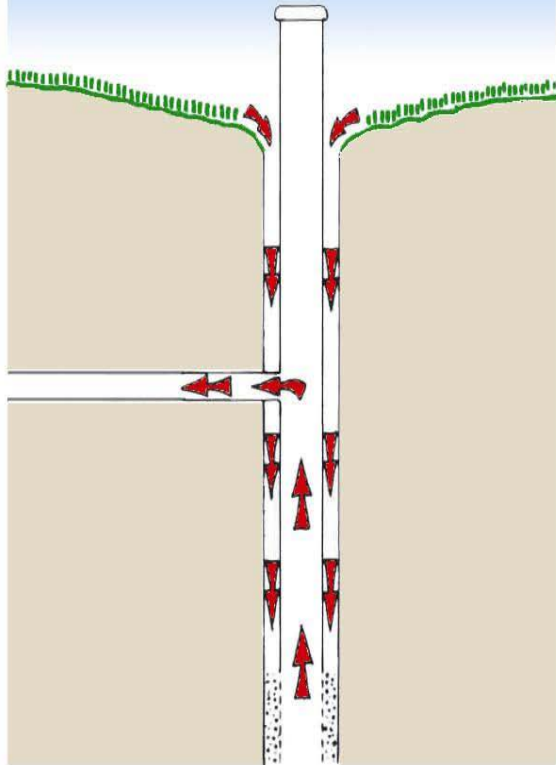
- 1)** Carefully remove soil from around the well casing and water line connection to expose the original bentonite seal material (gray, sticky, clay-like). Be sure enough soil is removed to allow the new bentonite chips to contact the existing bentonite material. *tip: begin removing soil about 6" away from well casing to avoid further damage to existing seal material
- 2)** Build a form around the well casing that allows at least a 2" space from the well casing to the form, and extends to grade.
- 3)** Place NSF approved bentonite chips between the well casing and constructed form.
- 4)** Back fill with soil.

Submit photos of the repair work to drinkingwaterprogram@clark.wa.gov. Include property identifying information.

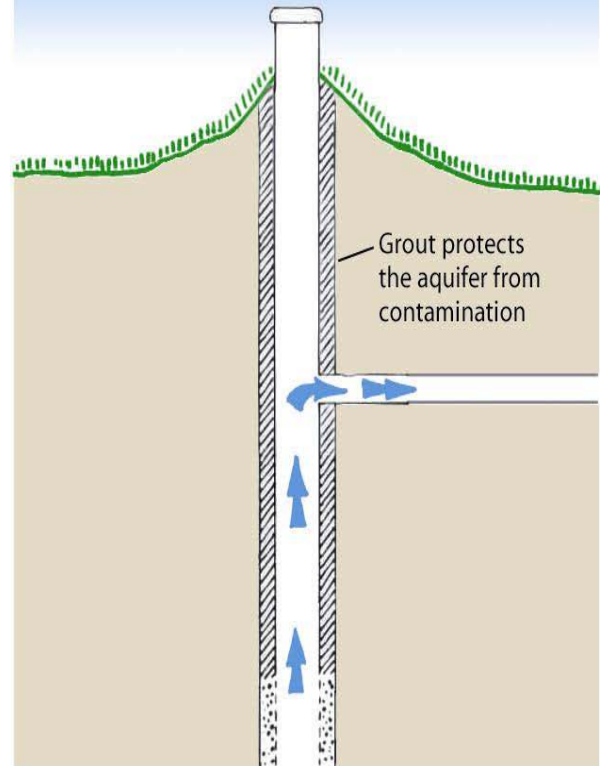
- Surface seal repairs may be complete by a property owner or Washington state licensed well driller.
- NSF approved bentonite chips can be purchased from the following:

HD Fowler 11316 NE Hwy 99 Vancouver, WA 98686 360-574-9324	Hansen Well Drilling 6711 NE 58 th Ave. Vancouver, WA 98661 360-694-6242	Pitner Drilling & Pump 1100 NW Hayes Rd. Woodland, WA 98674 360 225-6955	Don Pitner Jr. Well Drilling Battle Ground, WA 360-686-3776	Mather & Sons Pumps Inc. 12307 NE 95 th St. Vancouver, WA 98682 360-256-1310
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POORLY PROTECTED WELL



PROPERLY PROTECTED WELL



Uncontaminated water ➡

Contaminated water ➡



