

**567—49.12(455B) Well reconstruction.** All well reconstruction shall meet the requirements of this chapter, except for SDs. If the well feature in need of reconstruction cannot be brought into compliance with these rules, the well shall be properly plugged.

**49.12(1) Liner installation.** If reconstruction will involve the placement of a liner, a certified well contractor shall determine whether or not the proposed reconstruction is being done in order to correct a health-related problem. Based on the determination, the reconstruction shall be performed in accordance with either 49.12(1) “a” or “b” below.

*a. Standards for liner installation to correct a health-related problem.*

(1) The liner shall:

1. Have a minimum of two sets of centering guides to allow the proper placement of grout, and
2. Extend to the ground surface or top of the pitless adapter.

(2) In no case shall the liner be driven into place.

(3) The annular space between the old casing and the liner shall be pressure-grouted in place throughout its entire length using an approved grout.

*b. Standards for liner installation to correct a problem that is not health-related.*

(1) The liner shall extend at least ten feet above the static water level or, if a caving zone is present, shall extend above this region.

(2) The liner may be pressure-grouted in place if there is a sufficient annular space for proper grout application.

*c. Liner materials.* Liners shall meet the well casing standards in 49.11(1). Liners may be composed of either steel or thermoplastic with a minimum inside diameter of four inches. Steel liners shall be new and have a minimum wall thickness of .188 inches. Plastic liners shall have an SDR of 26 or less or be SCH 40 or SCH 80. If the installation does not meet the definition of a liner, casing material shall be used.

**49.12(2) Upper terminus.** All well reconstruction performed on the upper terminus of a well shall meet the standards of this chapter, except for SDs.

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