

40 C.F.R. § 146.12

Construction requirements.

- (a) All Class I wells shall be sited in such a fashion that they inject into a formation which is beneath the lowermost formation containing, within one quarter mile of the well bore, an underground source of drinking water.
- (b) All Class I wells shall be cased and cemented to prevent the movement of fluids into or between underground sources of drinking water. The casing and cement used in the construction of each newly drilled well shall be designed for the life expectancy of the well. In determining and specifying casing and cementing requirements, the following factors shall be considered:
- (1) Depth to the injection zone;
 - (2) Injection pressure, external pressure, internal pressure, and axial loading;
 - (3) Hole size;
 - (4) Size and grade of all casing strings (wall thickness, diameter, nominal weight, length, joint specification, and construction material);

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