

40 C.F.R. § 146.22

Construction requirements.

(a) All new Class II wells shall be sited in such a fashion that they inject into a formation which is separated from any USDW by a confining zone that is free of known open faults or fractures within the area of review.

(b)

(1) All Class II injection wells shall be cased and cemented to prevent 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:

- (i) Depth to the injection zone;
- (ii) Depth to the bottom of all USDWs; and
- (iii) Estimated maximum and average injection pressures;

(2) In addition the Director may consider information on:

- (i) Nature of formation fluids;
- (ii) Lithology of injection and confining zones;
- (iii) External pressure, internal pressure, and axial loading;

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