Federal regulations applicable to expiring Class I non-hazardous well permits
- informal worksheet -

144.36(a) Effective for a fixed term not to exceed 10 years

144.37 Continuation of expiring permit:

a) If EPA is permitting authority, can continue until effective date of new permit if:

1) Permittee submitted complete application for new permit, and

2) R.A. has not issued a new permit before the old one expired.

b) Continued (original) permit remains fully effective & enforceable until the new one is issued.

144.51(b) Duty to reapply

If permittee wants to continue expiring permit activity, must apply for and obtain a new permit.

Part 146, Subpart B - Criteria & Standards for Class I Wells,
40 CFR §146.14 Information to be considered by Director:

"For an existing or converted new Class I well the Director may rely on the existing permit file for those items listed below which are current and accurate in the file".
"For both existing and new Class I wells certain maps, cross sections, tabulation of wells within the area of review and other data may be included in the application by reference provided they are current, readily available to the Director (for example, in the permitting agency's files) and sufficiently identified to be retrieved."

1) Information required in 144.31 [General information requirements] and 144.31(g) [information requirements specific for Class I hazardous wells],

2) A map showing the subject well, area of review, number and name of all producing and injection wells, dry holes, surface water bodies, springs, mines,(surface & subsurface), quarries, water wells, and other pertinent features including residences and roads, faults if known or suspected,

3) Tabulation of data on all wells within area of review that penetrate injection zone, to include description of well type, construction, date drilled, location, depth, record of plugging and/or completion and any other information required by the Director,

4) Maps and cross sections of general lateral and vertical limits of all USDWs within area of review, their position relative to the injection zone, direction of water movement in each USDW where known,

5) Map and cross sections detailing geologic structure of local area and illustrating regional geologic setting,

6) Proposed operating data:
1) Average and maximum daily rate and volume of injected fluid
2) Average and maximum injection pressure
3) Source and analysis of the chemical, physical, radiological and biological characteristics of injection fluids,

7) Proposed formation testing program ,

8) Proposed stimulation program,

9) Proposed injection procedure,

10) Schematic or other appropriate drawing of the surface and subsurface construction details,

11) Contingency plans to cope with well failures and shut-in's,

12) Plans for meeting requirements of:

146.13(b) *Monitoring Requirements*:

1) Annual (or as necessary) injected fluid analysis

2) Continuous recording of injection pressure, rate and volume, and tubing/casing annulus pressure

3) Demonstration of mechanical integrity

4) Type, number and location of wells in area of review used to monitor USDWs for fluid migration and pressure,

146.13(d) *Ambient Monitoring:*

1) Pressure buildup in injection zone annually through valid observation of pressure falloff curve

2) Other monitoring required by the Director

13) For improperly completed or plugged wells in area of review, any necessary corrective action under 144.55,

14) Construction procedures including casing & cementing program, logging, drilling and testing,

15) Certification of financial resources necessary to plug and abandon the well.