



DOGGR UIC Permits and US EPA Aquifer Exemptions

A renewed and rigorous enforcement of regulations for US EPA Aquifer Exemptions by the Division of Oil, Gas and Geothermal Resources (DOGGR) in its Underground Injection Control (UIC) program will require additional evaluation and quick action from oil and gas operators desiring to continue injecting into existing disposal and enhanced oil recovery (EOR) wells or apply for new injection wells. InterAct's staff of engineers and geologists have the technical expertise to evaluate if groundwater in the injection area has the potential for beneficial use and prepare the necessary supporting documentation to justify Aquifer Exemptions.

A significant part of UIC compliance is providing DOGGR with the supporting documentation for evaluating zonal isolation within the Area of Review (AOR) surrounding the injector well. InterAct has developed a database driven evaluation system for rating wells within the AOR and evaluating potential pathways that may exist between injection fluids and protected water as defined by the Safe Drinking Water Act. InterAct's experienced wellbore integrity review team performs detailed analysis of wellbore histories and current geological data, in the preparation of wellbore diagrams accurately depicting current state conditions of all wells within the AOR.

InterAct has prepared over 8,000 wellbore diagrams for many operators in DOGGR Districts 1, 2, 3, 4 and 5, and has provided operators with expert guidance in navigating the ever changing injection permit application requirements. InterAct's wellbore diagrams are well recognized within the industry and by DOGGR.

Injection Well Applications Content

- Statement of purpose of the project
- A detailed engineering and geologic study including an evaluation of the information needed to obtain an Aquifer Exemption
- Reservoir and fluid characteristics of each injection zone
- Evidence that plugged and abandoned wells within the AOR will not have an adverse effect on the project
- Casing diagrams and plugging information of wells within the AOR
- Proposed well-drilling and abandonment program
- An injection plan

InterAct Wellbore Integrity Review

- Database-driven well diagramming system providing storage, tracking and analysis of detailed wellbore data
- Detailed review of well history and mechanical condition, with representation of pertinent data in a wellbore diagram, allowing easy review by DOGGR for evidence that the proposed injection fluids will be confined to the intended zone of injection
- Preliminary isolation review of all wells prior to DOGGR's review, giving operators the opportunity to remediate potential problem wells prior to the permit application submittal.
- Assist operators in working out reasonable and innovative solutions that meet DOGGR requirements and minimize the cost incurred by project delays and/or having to re-abandon or re-cement wells.

