



Protecting the nation's ground water

CO₂ and the NGWSC

GWPC's comments on the proposed EPA geosequestration rule and a discussion about the National Ground Water Strategy Committee



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A Factor of Four!

Four Critical Issues Related to
the Proposed Federal
Geosequestration Regulation



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GWPC CO2 Committee Members

- **Scott Anderson, Environmental Defense Fund**
- **Steve Crookshank, American Petroleum Institute**
- **Andrew Duguid, Schlumberger, Inc.**
- **Mark Fesmire, New Mexico Oil and Gas Conservation Commission**
- **Kevin Frederick, Wyoming Department of Environmental Quality**
- **Scott Imbus, Chevron**
- **Michael Parker, ExxonMobil**
- **Tom Tomastik, Ohio Department of Natural Resources**
- **Robert Van Voorhees, Bryan Cave Associates**
- **John Veil, Argonne National Laboratory**



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- Primacy delegation
- 50 Year post closure monitoring
- Injection only below USDW's
- Fluid migration standard



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Primacy Delegation

- Lack of primacy upon approval of Class VI rule
- Bundling of delegation by EPA
- Program funding shortage
- Existing state regulations outside the UIC program



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Primacy Delegation

- Develop an expedited process for delegation; and
- Allow states to request primacy for Class VI wells only; and
- Seek additional funding from Congress based on a valid cost assessment; and
- Work with GWPC to develop a model primacy application for the Class VI program
- Assist states that developed rules outside of the UIC program to bring them into compliance for primacy purposes



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50 Year Post Closure Monitoring

- Not based on science
- Not based on experience
- Not based on assessment of risk
- Not based on known performance standards; so

WHAT WAS IT BASED ON?

Ground Water Protection Council



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50 Year Post Closure Monitoring

- Establish a post closure period that is based on sound science and risk factors involved, relies on modeling and verification of models, and is exclusively performance based with NO artificial time element
- Create a methodology for partial release of liability based on benchmarks of performance



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Injection Only Below USDW's

- Ignores the reality of available storage reservoirs above USDW's
- Not based on an assessment of risk to USDW's below potential injection zones
- Aquifer exemption is the only current means of changing the requirement.



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Injection Only Below USDW's

- Allow for Directors discretion with respect to injection above USDW's;
- Establish a variance process that is streamlined and provides for exemption of large areas



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Fluid Migration Standard

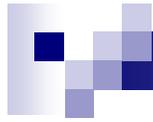
- Is inconsistent with the standard expressed in 40 CFR Part 144.12(a)
- Creates an absolute no migration standard that cannot be met



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Fluid Migration Standard

- Use the standard established in 40 CFR Part 144.12(a) in all cases.



GWPC Recommendations

Available at:

<http://www.gwpc.org/e-library/documents/co2>



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CO₂



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The GWPC National Ground Water Strategy Committee

NGWSC

Ground Water Protection Council



Overview

- The GWPC Board of Directors established the National Ground Water Strategy Committee (NGWSC) on March 18, 2008
- NGWSC was created to discuss issues and conduct activities related to the implementation of the Recommended Actions in the GWPC's *Ground Water Report to the Nation: A Call to Action*
- NGWSC is viewed as an opportunity to increase communication between and participation in the GWPC by ground water programs at the federal, regional and state levels



Committee Purpose

- Improve and refocus water resource protection and management by strengthening ground water programs and initiatives at all levels of government
- Implement the Recommended Actions described within the GWPC's *Ground Water Report to the Nation: A Call to Action* and identify activities and products that further their implementation
- Evaluate the need for a coordinated, national plan of action which emphasizes the protection and sustainable use of ground water, and provides for adequate support to state, regional, and local ground water protection, management, and conservation programs



Committee Structure

- Two managers of State Ground Water Programs serve as co-chairs bring information and proposed resolutions forward to the Board of Directors
- The committee membership is limited to States and EPA (HQ and Regions) and currently includes representation from EPA HQ, each EPA Region, and 11 States



How the Committee works

- Members discuss issues and conduct activities related to the implementation of the Recommended Actions (RAs), but will not vote on, support or promote RAs as a group
- Some activities will necessitate working with others, inviting their participation and comment on products and seeking support from other organizations on any positions the committee recommends to the GWPC Board.



Priority Activities

- Examine the Status of Government Efforts
- National Policy/Strategy for Sustainable Ground Water Management
- Coordination Across Programs and Efforts
- Messaging and Marketing Ground Water



NGWSC

Ground Water Protection Council



For additional information about the
NGWSC contact:

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