SLIDES: Groundwater Protection Council

Steven P. Musick

Follow this and additional works at: https://scholar.law.colorado.edu/water-and-air-quality-issues-in-oil-and-gas-development

Part of the Energy and Utilities Law Commons, Environmental Health and Protection Commons, Environmental Law Commons, Environmental Public Health Commons, Hydraulic Engineering Commons, Natural Resource Economics Commons, Natural Resources Law Commons, Oil, Gas, and Energy Commons, Oil, Gas, and Mineral Law Commons, Science and Technology Law Commons, and the Water Law Commons

Citation Information

Reproduced with permission of the Getches-Wilkinson Center for Natural Resources, Energy, and the Environment (formerly the Natural Resources Law Center) at the University of Colorado Law School.
2014 Martz Summer Conference

Steven P. Musick, P.G.
musick_ambrose@msn.com

Boulder, Colorado
June 5-6, 2014
GWPC is the National Association of State Ground Water and Underground Injection Control Agencies

• Our Mission is to Promote the Protection and Conservation of Ground Water Resources for all Beneficial Uses, recognizing Ground Water as a Critical Component of the Ecosystem

• We provide a forum for stakeholder communication and research to improve governments’ role in the protection and conservation of ground water
Some of Our Current Initiatives

- FracFocus.org 2.0 – Chemical Registry for Frac Fluids
- 2014 Update of States Oil and Gas Regulations
- Ground Water Report to the Nation – New Section
  - *Groundwater and Alternative Water Supplies*
- Source Water Protection-Source Water Collaborative
- RBDMS Data Modules
  - Wells, Permits, Reporting, Water & Soils
- GWPC/IOGCC State Initiatives
  - UIC State Peer Reviews
  - State Inspector Training & Leadership
GWPC Partners

- EPA, DOE, ASDWA, NGWA, IOGCC, NRWA, GWREF

- Annual Conferences:
  - Underground Injection Control Meeting
  - Annual Forum (Co-Located with NRWA - Oct 2014)

- Spotlight Meetings:
  - Stray Gas
  - Induced Seismicity
  - Unconventional Oil & Gas Water Management
## Frac Focus - Activity progress

<table>
<thead>
<tr>
<th>Category</th>
<th>End of Year One</th>
<th>Now</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participating companies</td>
<td>196</td>
<td>780</td>
<td>400</td>
</tr>
<tr>
<td>Reporting companies</td>
<td>96</td>
<td>570</td>
<td>600</td>
</tr>
<tr>
<td>Wells reported</td>
<td>16,290</td>
<td>65,352</td>
<td>400</td>
</tr>
<tr>
<td>Website visits</td>
<td>177,128</td>
<td>715,443</td>
<td>400</td>
</tr>
<tr>
<td>Unique visitors</td>
<td>122,881</td>
<td>405,195</td>
<td>400</td>
</tr>
</tbody>
</table>
State-by-State Disclosure

Chemical Disclosure Required
Chemical Disclosure Being Proposed
* States Currently Using FracFocus
+ States Considering FracFocus

Hydraulic Fracturing Chemical Disclosure State-by-State 12/2/2013
State Oil and Natural Gas Regulations Designed to Protect Water Resources

April 2009

http://www.gwpc.org

- Describes how state oil & gas regulations have changed over time
- Determined which regulations are designed to protect water
- Describes how regulations are designed to protect water
- Details where areas of concern still exist
- Contains key messages and suggested actions relative to the areas of concern
Risk Based Data Management System (RBDMS) was developed to aid regulatory agencies in their UIC and oil and gas oversight missions

- Manage operator and bonding information
- Track well locations and construction details
- Assess area of review impacts of UIC wells to protect USDWs
- Track production and injection activities
- Manage permitting
- Inventory surface facilities
- Schedule hearings
- Track inspection, compliance, and enforcement programs and complaint and spill investigations
- Generate reports on demand
Denver Area Oil and Gas Wells
RBDMS success is based on collaboration

• Developed under a grant funding from the DOE NETL with matching funding from the benefiting state agencies

• Directed by a four-state Steering Committee (NY, ND, MT, NE)

• Advised by a rotating Technical Committee of state agency representatives

• Supported by a state-to-state peer network and a panel of consultants tapped through help desk referrals
GROUNDWATER
PROTECTION COUNCIL

(405) 516-4972
www.gwpc.org