Water Management Plans:
Oil and Gas Workshop, 10/24/2012

Presented by:
Jason Harmon
Agenda items

• WMP Program overview
• Signage requirements
WMPs by the numbers

From 12/01/2011 to 09/13/2012

- 706 unique approved WMPs
- 669 well applications
  - All §22-6A wells
  - Modified pre-§22-6A wells
- 37 centralized impoundments
WMPs by the real numbers

To date:

- 706 original WMPs
- 176 modifications
- Grand total of 882 approved WMPs (+25%)
WMPs by the even realer numbers

72 plans have been completed
- 42 modified 1 time
- 14 modified 2 times
- 3 modified 3 times
- 2 modified 4 times

Grand total 133 WMP approvals (+85%)
Why are WMPs modified?

Additional Sources
- Drought-like summer
- Growing pains
- Poor planning

Withdrawal date ranges
- Changing drilling/frac schedule
- Crew availability
## Date range modifications

<table>
<thead>
<tr>
<th>Start date changed by (months)</th>
<th>% of plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;12</td>
<td>0</td>
</tr>
<tr>
<td>9-12</td>
<td>2.7</td>
</tr>
<tr>
<td>6-9</td>
<td>6.3</td>
</tr>
<tr>
<td>3-6</td>
<td>34.5</td>
</tr>
<tr>
<td>1-3</td>
<td>31.3</td>
</tr>
<tr>
<td>0-1</td>
<td>25</td>
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</tbody>
</table>
Date range modifications

What we’ve learned in a year:
- Operators are not typically competing for the same streams/rivers
- 97% of date range changes are less than 9 months from original plan

Solution:
- Extend maximum withdrawal date range windows to 12 months
Signage

<table>
<thead>
<tr>
<th>§22-6A-8(g)(6)(B) Signage for water withdrawal locations.</th>
</tr>
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<tbody>
<tr>
<td>• All water withdrawal locations and facilities identified in the water management plan shall be identified with a sign that identifies that the location is a water withdrawal point, the name and telephone number of the operator and the permit numbers(s) for which the water withdrawn will be utilized.</td>
</tr>
</tbody>
</table>
Signage

- Must be installed at all sources identified in the WMP.
- Must be installed within 24 hours of activating the WMP.
- Signage requirements will be enforced.
Questions?

• Contact

Jason Harmon
(304) 926-0499 ext 1271
henry.j.harmon@wv.gov