### Notices & Certifications

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• Erosion and Sediment Control Plan
• Site Construction Plan
• Well Site Safety Plan

• Water Management Plan
  • Listing of anticipated additives that may be used in completion water including CAS #s.
  • Listing of additives that were actually used shall be submitted with the well record.
  • Identify any public water intake within 1 mile downstream of the withdraw site.

Notes:
• All plans to be designed by a registered engineer.
• All plans to be reviewed by OOG and will be mailed by OOG to the respective inspector.
• Reminder to check with Corp of Engineers on 404 issues.
• Reminder to check with Flood Plain Coordinator

Well Plans
Record Keeping / Reporting
(To be retained by the operator)

- Production Water
  - Quantity of flow-back water from fracturing.
  - Quantity of produced water.
  - Method of management or disposal of produced and flow-back water.

- Transportation activities shall be maintained and recorded by the operator.
  - Quantity of water transported.
  - Collection, delivery or disposal locations.
  - Water handling company name.
  - Keep on file for three (3) years after withdraw activity.

Water Management Plan (Cont.)
- Bonding increase to $250,000.
- Permit fee increase to $10,000 (Initial well) & $5,000 (Additional well on same pad).
- Commenting period is 30 days.
- Install API # and Operator’s contact phone number after completion.
- Stimulation description.
- Proposed angle & direction of the well.
- DOH Certification 22-6A-20.
  Submit with each application a letter of certification from the DOH that the operator has entered into a road agreement or that no such agreement is required.

General Notes
• All drill cuttings and associated drilling mud shall be disposed of in an approved solid waste facility.

If surface owner consents, they may be managed on site in a manner approved by the secretary.

• Register all water supply wells with OOG.

All drinking water wells within 1,500 ft. of a water supply well shall be flow tested and quality tested if requested by the water well owner.

22-6A-8g5
Rules shall be proposed
- Establish a designated karst region.
- Establish standards for drilling in region.

Minimum requirements
- Perform predrilling testing to check for caves, other voids, faults, etc.
- Check for surface features such as sinkholes.
- May include baseline water testing around the site.

Karst
• **250’** – Distance from well head to existing water well or developed springs.

• **625’** – Distance from center of pad to occupied dwelling, or a building used for cattle poultry that is 2500 ft$^2$ or larger.

• These limitations are applicable to what was in existence on the date notice given for planned entry or notice of intent to drill.

• Dwellings under construction prior to this date also apply.

• Waiver may be obtained from surface owner.

• Operator can request a variance from Secretary, if granted conditions which may include insurance, bonding, indemnification & tech requirements.
Well Location Restrictions

- **100’** – Distance from pad to any perennial stream, natural or artificial lake, pond or reservoir, or wetland.

- **300’** – Distance from pad to native trout stream.

- **1000’** – Distance from pad to surface / groundwater intake or public water supply.
  - Surface intake on a lake or reservoir measured from the border.
  - Surface water intake on a flowing stream measured in a semi-circular radius extending upstream of the intake.
  - Groundwater source measured from water well head.

*Note 1: May apply for a variance from DEP to waive these restrictions.*
  - Condition Permit per waiver.

*Note 2: These restrictions will not apply to wells on a multiple pad if at least one (1) well was permitted or has an application on file prior to Dec. 14, 2011.*
Questions ?