Follow-up to State Comparison of Oil and Gas Programs February 2019
Which was presented by NC DEQ Staff in February

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STATE COMPARISON OF OIL AND GAS PROGRAMS
FEBRUARY 7 2019

- Pits, Tanks, Set-backs and Pooling
- States Compared
  - Tennessee
  - West Virginia
  - Arkansas
  - Pennsylvania
  - Ohio
  - New York
  - North Carolina
MEASURABLES

- Pits
  - Setbacks
  - Freeboard
  - Berm
  - Horizontal to Vertical Ratio
  - Reclamation Time
- Liners
  - Thickness
- Well Location Setbacks
  - Unit Boundary
  - Dwelling
  - Source of Water
  - Other O&G Wells
ADVANTAGE OF USING MEASURABLES

- Quantify
  - State in numbers

- Precision
  - Clear, indisputable

- Charts and Graphs
  - Allows for quick visual comparisons
    - Meeting, exceeding or lagging behind other state standards

- Ease of comparing more states
  - States and Agencies Added
    - North Dakota
    - Colorado
    - Wyoming
    - New Mexico
    - BLM
Setback from dwelling (ft)

Tennessee
West Virginia
Ohio
North Carolina
BLM

PITS
Setbacks
Setback from Public Water Source (ft)

- West Virginia
- Pennsylvania
- North Carolina

PITS
Setbacks
PITS
Reclamation Time
PITS
Liner Thickness

Liner Thickness (mm)

- Tennessee
- West Virginia
- Arkansas
- Pennsylvania
- North Carolina
- Wyoming
- New Mexico
- Colorado
WELL LOCATION SETBACKS

- Property Line
- Unit Boundary
- Dwelling
- School
- Body of Water
- Water Well
- Other Wells
- Roads
WELL LOCATION SETBACKS

Dwelling Unit (ft)

- West Virginia: 600 ft
- Ohio: 100 ft
- North Carolina: 700 ft
- North Dakota: 500 ft
- Colorado: 500 ft
Body of Water
Includes perennial stream, river, watercourse, pond, lake, wetlands, and artificial body of water.
WELL LOCATION SETBACKS

Property Line

State: West Virginia, Ohio, North Dakota, Wyoming, New Mexico
WELL LOCATION SETBACKS

Other Wells (ft)

- West Virginia
- Arkansas
- Ohio
- North Carolina
- Wyoming
- Colorado

Other Wells
Regulations defined by numerical values lend themselves to chart comparisons.
Based on this limited, first pass study, NC meets or exceeds requirements.
A complete data set is the goal.
More States will be added for a more complete comparison.
Uniformity in the definitions of the categories is needed.