KLA Hydrofracking & Well Disposal Committee Update

July 2013

KLA Position on Hydrofracking (HVHF)

- No High Volume Horizontal Hydraulic Fracturing (Hydrofracking) in the Keuka Lake Watershed-plus a 4000 foot buffer.
- Following KLA Membership questionnaire results.
- Waiting for the DEC decision!

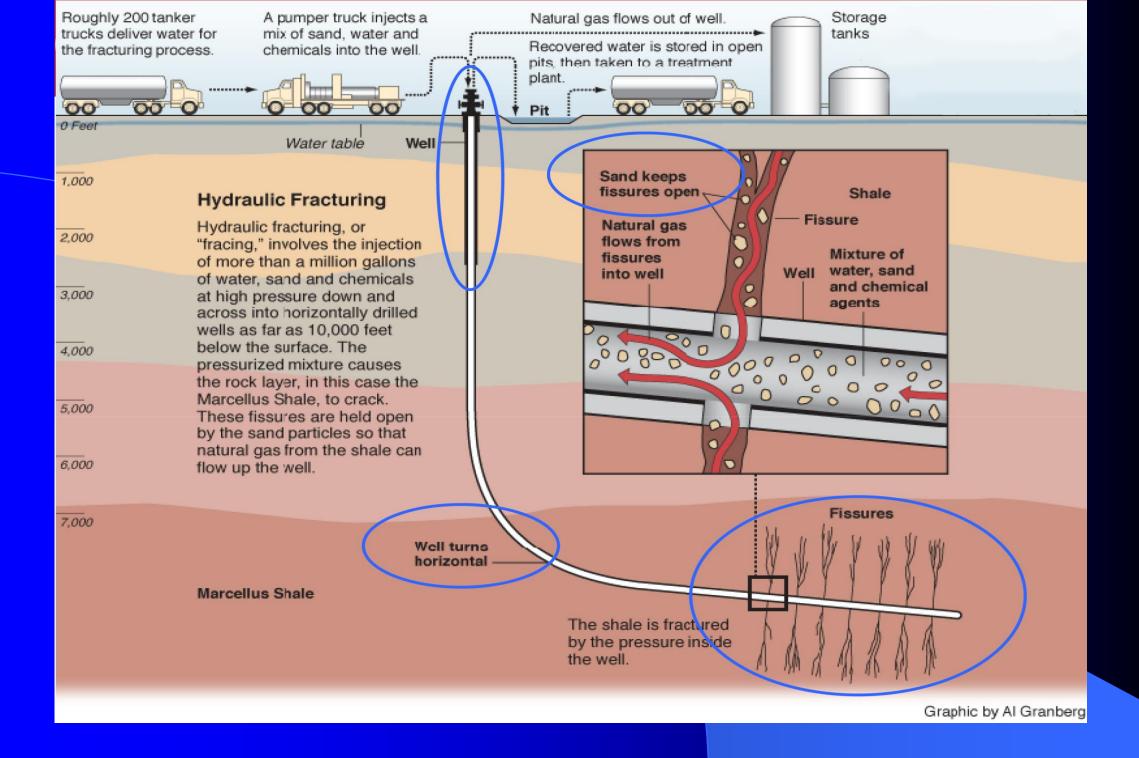
KLA Hydrofracking & Well Disposal Committee

Met frequently.

Provided Information for E-mail, Newsletters and Newspapers.

Corresponded with DEC & Governor.

Identifying future Plans should DEC permit HVHF in the Keuka lake Watershed



High Volume Hydraulic Fracturing

- Is not conventional vertical drilling with hydrofracking.
 - Which has been used for years.
 - Uses up to 80,000 gallons of water.
- Is a significant heavy industrial process.
 - Uses 3-7 million gallons of water with chemicals.
 - Multiple wells on a single well pad.
 - Horizontal lines are up to one mile long.
- 30-50% of fluids return to the surface as flowback and must be disposed in approved sites.

NYS-DEC

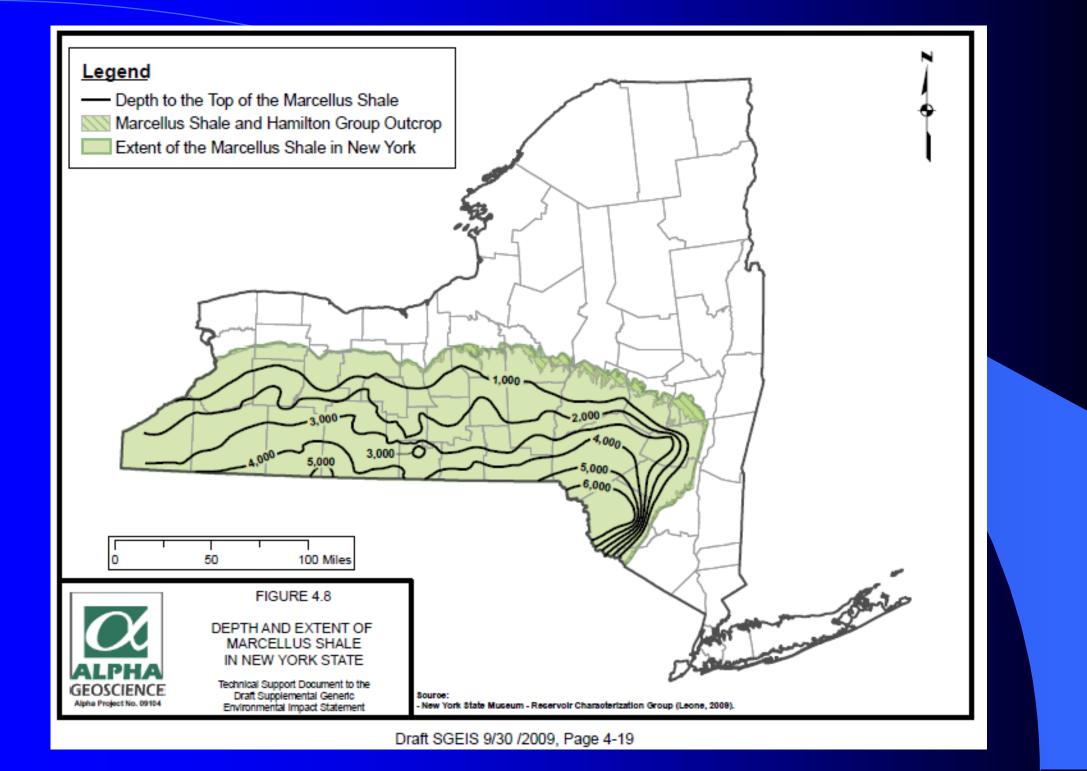
Waiting for completion of Health Study by the NYS Department of Health prior to releasing revised SGEIS.

Decision likely to come later this year--2013.

DEC has not indicated any of its thoughts into any specific geographical limitations except:

NYC Water sources in the Catskills.

Syracuse Water sources--Skaneateles Lake.



Steuben County

- A minor portion of Steuben County is in Keuka Lake Watershed
- Steuben County has refused to consider a moratorium for the Keuka Lake Watershed portion of the County.
- Parts of the Steuben County Towns in the Keuka Lake Watershed:
 - Pulteney--refused to enact a moratorium.
 - Urbana--likely to enact a moratorium once the DEC decides.
 - Wayne--moratorium in place.

Yates County Status:

Yates County Legislature twice adopted a unanimous resolution that Yates County be treated like the waters sources for NYC & Syracuse.--No HVHF in the Keuka Lake Watershed plus a 4000 feet buffer!

Jerusalem adopted a prohibition.

Barrington and Milo adopted moratoria but no prohibitions.

KLA Actions.:

- The entire Keuka Lake Watershed plus a 4000 feet buffer including the portion in Steuben County must be protected from HVHF.
 - Not the Keuka Lake boundaries.
 - Not NYS

 The Finger Lakes Regional Watershed Alliance (FLRWA) has taken a similar position for the entire Finger Lakes Watershed.

Summary

Marcellus Shale Layer under the Keuka Lake Watershed: thin and less attractive to HVHF development top of the Layer is less than 2000 feet below the surface beneath the northern branches of Keuka Lake.

Steep slopes border most of Keuka Lake

HVHF in the Keuka Lake Watershed could require a site specific SPEDES permit:

NYS Appellate Court has upheld Towns right to prohibit HVHF

Revised SGEIS expected in 2013.

CONCERNS

- Contamination of the Keuka Lake Watershed.
 - Gas permeation of the aquifer.
 - Accidents.
 - Hydrofracking chemicals and NORMS are not confined within the Marcellus Shale Layer.
 - The Utica Shale Layer lies below the Marcellus Shale Layer and extends north and east throughout most of New York State.

CONCERNS

- Although the KLA's mission is protecting the Watershed, there are other nonenvironmental issues:
 - Truck traffic/
 - Noise.
 - Multiple "quality of life" issues.



• Keep informed

• Voice and vote your opinion.

- Although the KLA is concerned with protecting the watershed, there are other organizations addressing "quality of life issues"
 - Committee to Preserve the Finger Lakes (CTPFL).
 - Keuka Citizens Against Hydrofracking (KCAH)

Cannot over emphasize becoming actively involved.