

Plumstead Township Environmental Advisory Council March 14, 2018

Herb Hickmott- acting chair

Tom Lurz

David Stakin

Andy Thomas

Rishi

Bala

Meeting called to order 7:33 P.M.

Reminder about Manure Management Seminar is to be held on March 20 and 23 at Hanusey Park community building

There are 16 people registered as of 3/13

Fliers have been distributed throughout the area (thanks Rishi)

Spring road clean up- SUNDAY April 22, 2018 @ 8:00

Tree Planting @ 10:00 at Owl's Nest Park

Well ordinance update- Andy filled us in on the meeting with the supervisors and residents. Andy offered to speak for the group and would bring the info to the EAC.

Fracking is scheduled for 3/16 without a baseline study.

Residents water needs to be protected. A third party hydrogeologist is needed to review compliance with current ordinance. A concern that no one was notified of a pump test.

Andy suggested various tests to determine if the shallow aquifer would be protected. (downward geophysics)

Ground water ordinance should be a standalone document- remove from SALDO.

72-hour pump test should be performed since it is a class 3 well, testing should be done during a low water period such as during the summer or typical periods of minimal precipitation. There is also a pond nearby and there is concern that if the well depletes the aquifer that it will drawn down the water level in the pond and could lead to a rise in temperature and trigger a fish kill.

A radionuclide test should be included in the testing. Andy will forward his list of recommendations that were discussed at the meeting. It will be attached to the minutes.

Tom suggested the well protection ordinance be reviewed and updated accordingly.

Motion by David that the following recommendations offered by Andy be sent to the supervisors for their consideration to resolve the issue with BSA and for future concerns. Second by Tom. Motion carried!

1. The pump test should be extended to 72-hours and should be conducted during seasonal low water table conditions.
2. Radionuclides sampling for the supply well.
3. As part of determining impacts associated with the hydro fracturing, properties within 500 feet of the supply well should be tested for TDS TSS Arsenic and Iron prior and subsequent to the site activities. Conduct a geophysical investigation, prior and post-hydro fracturing, to evaluate possible vertical flow of groundwater within the well under non-pumping conditions.
4. A well survey should be conducted of properties within 1500 feet of the well. The well survey should include location of well on the property, construction specs, well yield, depth to static water level and available well logs that provide information on the production zone(s). Based on the results of the well survey, select residential wells should be monitored using transducer equipment installed in wells to determine potential short and long-term impacts associated with the proposed water withdrawal. If well heads are buried, wells should be exposed and extended to the surface to be used during the monitoring period at no expense to the two residents.
5. Long-term stream and pond gauging to evaluate impacts on these surface water bodies in the area of the well.
6. Notify property owners prior to the well being used as a water source for the camp.
7. Evaluate impacts on surrounding wells associated with the additional volume of wastewater that would be discharged into the site septic system(s). Analytical sampling for residential well should be considered prior and post discharge and should include, but not be limited to, phosphates, nitrates, bacteria and fecal coliform.

Discussion followed about reviewing the septic system impact on ground water at this site, wells within 500 feet should be tested for bacteria.

A well survey should be conducted of wells within 1500 feet of this project.

Will the EAC be privy to the results of the study?

Motion to adjourn by Tom, second by David 8:50 P.M.

Submitted by Herb