

London Britain Township Board of Supervisors Meeting

April 16, 2015^{approved 5/11/15 BOS mtg}

(Continuation of March 17, 2015 meeting)

Glenn Frederick, Chairman of the Board of Supervisors called the meeting to order at 6:45 pm. In attendance were Supervisors Aileen Parrish and David Owens, Treasurer/Project Coordinator Nette Stejskal, Secretary Carolyn Matalon, Wastewater Engineer Joe Boldaz, DEP rep Jennifer Fields and several Windsor residents.

Windsor/Wastewater Treatment Plant:

Chris Grundner thanked Jennifer Field and DEP for spending their time and efforts to assist them. Jennifer Field stated the problems at the Windsor Treatment plant are nitrogen and cost and the issue is how to solve them. If there was no option and we kept the existing system, we would look at how to defray existing costs ex. Electricity and using solar panels. The goal is a solution with a passive system which is similar to an onlot system. Nitrogen is an issue and we need a system or systems to denitrify. There are a few ways to achieve this. Soil or crop management can be used to deal with nitrogen (drip or spray irrigation). To try and do that here a hydrogeological study is needed on the open space to see if it is good enough to use. Jennifer had her hydrogeologist do some calculations at permitted flow of 5400 but we don't need to use that flow. Same calculations of open space needed at 3400 gal per day. The level in the permit now is 10. If the nitrogen was raised to 20, 3 ½ acres would be needed. Not the most ideal situation and some drinking wells would need to be relocated.

The use of land located throughout the subdivision, with drip/spray irrigation, assuming the ground qualified is much better and would treat nitrogen. The secondary location for the septic system could potentially be used.

By converting the plant to a dual compartment plant and using whatever land is available can manage the nitrogen. A plant operator is then not needed. Solids will need to be pumped out which they are now. The biggest issue is dealing with nitrogen.

The Subdivision plan would need to be resubmitted to reflect the changes needed for open space.

There are particular crops that are required and will need to be harvested. Jennifer Fields will supply a list of particular crops. The next step is hiring a hydrogeologist to do an analysis on the the land available using a 3400 gal per day calculation. Jennifer is willing to assist the hydrogeologist chosen to do the study. If the Hydrogeologist determines it is possible, DEP would amend the permit with a redesign. The redesign is a cost. If this way is possible, the new system would need to be constructed which would have a cost involved. There will be cost associated with pumping and crop maintenance. The final product cost would depend on the final system decided. Quarterly monitoring fees of wells, chemical costs and operator fees go down.

Joe Boldaz stated that a hydro study won't take long, possibly a few months. Aileen Parrish asked the homeowners if they want to hire a hydrogeologist. Chris Grundner asked if the LOC money could be used. Glenn Frederick stated that the landscaping needs to be finished and adjusting the plan for possible smaller landscaping plants may be possible. Township attorney Tom Oeste would need to be consulted on both the LOC uses and any changes to the landscaping plan. Punchlist items on the treatment plant will need to be completed. Can the LOC be used to retrofit the treatment plant? Tom Oeste will need to address this issue.

Aileen Parrish noted that some items on the punchlist are cosmetic which could possibly be forgone until a later time. Some changes are needed of a sizable cost to make the plant run in better compliance, If we are in violation with not doing the changes would DEP give any latitude while going forward? Jennifer Fields stated that we don't have to do anything additional to prove a non-compliant case. What needs to be done is not expensive stuff, there is no high dollar thing that could be done at this point. If there is a possibility to flip the plan to something else such as a passive system, it is better. Jennifer Fields stated if it takes longer, such as 9 months, to do the hydrogeologic study and move the system forward the DEP would be behind that. The landscaping required by the Subdivision plan was discussed. Chris Grundner stated that if the LOC is not available for the hydro study then they are willing to move forward with cost sharing on the study. The Windsor residents would like Hydraterra/Joe Boldaz to put a proposal together and at the same time Tom Oeste will be consulted. Aileen Parrish shared with the residents that the LOC, even if available to be used might not be enough and the residents should be prepared financially to pay towards the system. Chris Grunder stated that they have understood this. Aileen Parrish stated that the Township in 2014 spent approximately \$50,000 without the residents

contributing anything financially to date. After the hydrogeological study is completed, the residents, DEP representative Jennifer Fields, BOS, and Hydroterra Professionals will meet again. Joe Boldaz will put a proposal together in a month and a half. Spray and drip irrigation was discussed. Jennifer Fields would prefer a drip system. Installation for drip irrigation is more costly than spray irrigation because there is more piping. The meeting ended at 8:15pm.