The Bainbridge Township Board of Trustees met in special session at the Bainbridge Town Hall on February 9, 2010. Those present were trustees Mr. Jeffrey S. Markley, Mrs. Lorrie Sass Benza and Fiscal Officer Mrs. Cherianne H. Measures. Trustee Mr. Matthew J.D. Lynch was absent. Mr. Markley presided and called the meeting to order at 6:02 P.M.

Hydro-Geological Study Interviews for Kenston Lake

The purpose of tonight's meeting is to conduct interviews of the two eligible candidates that have applied to conduct the hydro-geological study of Kenston Lake. The additional intent of tonight's meeting is to provide updates on the entire Kenston Lake Project and the English Drive Well and Water Line Project.

Update on English Drive Well and Water Line Project

The main line is one hundred percent complete, including the chlorination and de-chlorination is in process. Ohio Valley Energy are ready to begin residential service taps after Thursday, February 11, 2010. Geauga County has agreed to concurrently complete paperwork and service taps. The county is estimating meter vaults and water service within several weeks at which time the County Health Department will conduct inspections.

Dr. Judith Gooding asked about the required capping of wells on the properties that are tying into the waterline, eliminating the natural venting of the gas in the water aquifer. Her concern is the buildup of the gas once the natural venting is eliminated.

Frank Sable, of English Drive, had a black goo that ruined his water softener and his hot water tank, however has been excluded from the list of homes effected by the contaminated aquifer.

Update on Kenston Lake Project

Mrs. Amy Brennan, with Chagrin River Watershed Partners, gave a review of the many issues of the Kenston Lake Dam back to 1969. The main concerns of the dam are insufficient storage and insufficient spillway.

In October of 2006, the meetings between the residents of Kenston Lake, the Township Trustees, Chagrin River Watershed Partners and Ohio Department of Natural Resources began.

In April of 2007, the parties involved agreed that the Township sponsored a grant application to the Ohio EPA to gradually lower the riser pipe, bore through the existing dam, and restore 1,200 linear feet of stream channel and four acres of riparian corridor.

The steps for completion are as follows:

- Pre-Construction investigation and design for new culvert
- Begin gradual dewatering of the lake and natural revegetation of the exposed lake sediments
- Sediment survey of lake to quantify amount of sediment behind the dam completed by Geauga Soil and Water Conservation District
- Future work and progress pending results of hydrogeologic assessment study

Purpose of Study

The purpose of this study is to determine if there is any relationship whatsoever between the dewatering of Kenston Lake and the contaminated aquifer allowing for gas in the water wells of many homes in this neighborhood.

Interviews of Uhl, Baron, Rana & Associates and ATC Associates

Mrs. Brennan will direct the interview process of the two firms present this evening.

Mr. Vincent Uhl stated that there are three water aquifers in this area. His firm's approach is to review the history of gas concentrations since the English Well situation occurrence, well inspections, water levels, resident input and the many reports available to develop a directional water flow map. If the lake is connected to the aquifer in question, there will be linear flows. If a connection is detected, a series of simulations will be conducted to determine the next appropriate action regarding the Kenston Lake.

Mr. Scott McCready stated that his proposal is to evaluate depths and depletion records for the existing wells, both the affected and non-affected wells. Mr. McCready explained that gas migration generally takes the path of least resistance. Mr. McCready recognizes the need to revise the original proposal upon learning the extent of the situation at hand. He recommends a shallow well

and a deep well in each of the three aquifers to determine the effects of simulated dewatering to have control points to run accurate testing of the area. He feels the well depths are critical to the outcome of this study to determine the migration pathways and the corrective measures that will be required.

What is your experience with this type of gas explosion?

Mr. McCready stated that his firm handles migration pathways detections for many petroleum customers, mostly retail. His firm is very familiar with migration pathways and corrective measures and abatement concerns. They have also done soil sampling to detect the source of vapors.

Mr. Uhl has worked with landfill methane issues in several surrounding states. His firm has used geological studies and aerial photography. He has worked with the Williams Gasway from Washington to Boston.

Mr. Andy Kenan, Kenston Lake Drive, asked about the timeline for conducting this study.

Mr. Uhl stated that he feels the study would take approximately two months from start to finish, unless additional wells are required, which would add another month to the study.

Mr. McCready stated that the timeline for his firm would be consistent with the timeline that Mr.Uhl expressed.

Mr. Markley asked how each firm would determine the limit of the gas migration.

Mr. Uhl stated the need to determine the water level of the lake and determine the ground water flow and find an end flow.

Mr. McCready agreed with Mr. Uhl and elaborated that additional testing will be required.

Since there was no further business to come before this meeting of the Bainbridge Township Board of Trustees, the meeting was adjourned at 8:29 P.M.