



Robert Kosin <rkosin@barringtonhills-il.gov>

BOH Request

Johnston, Gwynne <GHJOHNSTON@tempel.com>

Fri, Dec 12, 2014 at 9:39 AM

To: Colleen Konicek <ckonicek@barringtonhills-il.gov>

Cc: Robert Kosin <rkosin@barringtonhills-il.gov>, President Mclaughlin <mmclaughlin@barringtonhills-il.gov>,

Dolores Trandel <clerk@barringtonhills-il.gov>, "Anne Majewski (amajewski@barringtonhills-il.gov)"

<amajewski@barringtonhills-il.gov>, "Shirley Conibear (Sconibear@barringtonhills-il.gov)"

<Sconibear@barringtonhills-il.gov>, "fkonicek@barringtonhills-il.gov" <fkonicek@barringtonhills-il.gov>, Michael

Harrington <mharrington@barringtonhills-il.gov>

Trustee Konicek

Thank you for forwarding this communication.

As you are aware, the BOH passed a (unanimous) motion to convey our sentiments to both the Village Board of Trustees and the ZBA that any vote on horse or grazing density should be delayed until we, as a Village and as Village representatives, have expert opinion offered to support any decision.

We see no merit or justification on proceeding with legislation that is not based on facts or data. For the same reason, the BOH can offer no position on possible health effects from horse grazing density until we obtain data. It is for this reason that we have also passed a motion to request that the Village Board of Trustees consider a proposal (and funding) to obtain a baseline for sub-surface water quality and to continue this study for a period of years in order to generate data upon which sound and informed decisions can be made.

We, speaking on behalf of the BOH, would respectfully request that any vote on legislation for horse grazing density should be delayed until informed opinion and data can be obtained that is specific to Barrington.

Kind regards,

Gwynne Johnston

773-250-8036 (office)

From: Colleen Konicek [mailto:ckonicek@barringtonhills-il.gov]

Sent: Thursday, December 11, 2014 8:32 PM

To: gjohnston@barringtonhills-il.gov

Cc: Robert Kosin; President Mclaughlin; Dolores Trandel

Subject: Re: BOH Request

Chair Johnston - please see the email below from the Village President.

Colleen Konicek Hannigan

Trustee, Village of Barrington Hills

112 Algonquin Road

Barrington Hills, IL 60010-5199

[847.551.3005](tel:847.551.3005)

On Dec 11, 2014, at 8:08 PM, President McLaughlin <mmclaughlin@barringtonhills-il.gov> wrote:

Trustee Konicek,

Please forward to Chairman Johnston of BOH.

As you and the board are aware I am unavailable to attend this unnecessary special meeting. It seems no matter to the fine trustees that have an obvious agenda to expedite the consideration and a vote of an amendment that has neither been discussed on its merits or serious lack thereof.

I am disgusted at the intention to not include the Village President in this significant discussion / adoption related to our entire communities' property values, health & safety, especially in light of our planning committee's request, health department's request, building department's request, zoning expert's requests, and tax expert's requests for more time to assess the effect to our community.

Martin J. McLaughlin

Sent from my iPhone

Sent from my iPhone

On Dec 11, 2014, at 6:56 PM, Colleen Konicek <ckonicek@barringtonhills-il.gov> wrote:

Mr. Kosin & Chair Johnston - as a Village Trustee, I write this to make Chair Johnston aware of the fact that Trustees Ghol and Selman have called a special meeting of the BOT for this Monday to specifically discuss and vote on the ZBA recommended Anderson horse boarding text amendment. In light of the fact that the BOH recently voted to request that the BOT refrain from any action on the Anderson text amendment until after the BOH has had an opportunity to review the amendment and discuss any potential implications with the Village's acquifer and other implications of large scale grazing density on the Village, I think it is appropriate to provide this request of the BOH with the agenda materials for this Monday so members of the public and BOT are aware that it has been made in advance of any voting taking place on the proposed text amendment authored by ZBA Member Anderson.

Chair Johnston, if you feel differently please feel free to weigh in on this.

Colleen Konicek Hannigan

Trustee, Village of Barrington Hills

112 Algonquin Road

Barrington Hills, IL 60010-5199

[847.551.3005](tel:847.551.3005)

To ensure compliance with the Open Meetings Act, elected or appointed members of the public body may reply to this message, but they should not forward it or send a copy of the reply to other members of the public body.

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MEMORANDUM

To: Michael Harrington, Insurance, Health, Environment,
Buildings & Grounds Chair
Robert Kosin, Village Administrator

625 Forest Edge Drive, Vernon Hills, IL 60061

TEL 847.478.9700 ■ FAX 847.478.9701

www.gha-engineers.com

From: Daniel J. Strahan, P.E., CFM
Gewalt Hamilton Associates

Date: December 12, 2014

Re: Board of Health Meeting- December 9, 2014
Horse Grazing Density

On Tuesday, December 12th, 2014 the Board of Health met to discuss details of a proposed groundwater quality monitoring plan. Board of Health members in attendance included Dr. Anne Majewski, Dr. Frank Konicek, and Dr. Gwynne Johnston.

After discussion, the Board asked questions regarding the status of the commercial boarding topic, particularly with regard to horse grazing density. Dr. Majewski made a motion, seconded by Dr. Konicek and passed unanimously, that in view of the conflicting evidence that has been presented to the Board of Health regarding grazing density and the public health concerns for potential surface and groundwater contamination, the Board of Health recommends that no specific grazing density value be made until an expert in the field can provide professional input and guidance regarding appropriate grazing density in the area of Barrington Hills. The Board of Health requested that this concern be communicated to the Village Board of Trustees.

cc: Board of Trustees



Robert Kosin <rkosin@barringtonhills-il.gov>

Response to Questions from Board of Health

Janet Agnoletti <j.agnoletti@bacog.org>

Thu, Dec 11, 2014 at 12:45 PM

To: Bob Kosin <rkosin@barringtonhills-il.gov>, Dan Strahan <dstrahan@gha-engineers.com>

TO: Bob Kosin, Village Administrator
Dan Strahan, Village Engineer, Gewalt-Hamilton

RE: Response to the Board of Health

In response to questions from the Barrington Hills Board of Health at the meeting last night (12/9/14), I offer the following information.

- The Board asked about the frequency and conditions (water levels, time of year, temperatures, etc.) for doing Level 2 water quality testing.

Frequency. I spoke to Dr. Kurt Thomsen this morning; he recommends doing a baseline test of the nine locations or more locations in 2015, with subsequent tests every five years thereafter. This timing would be consistent with the water quality testing that will occur in surface waters throughout the BACOG area. The surface water testing will occur in June or July in the future.

More frequent testing is not necessary because for the most part we are measuring naturally-occurring groundwater quality. If there is concern about surface contamination reaching the aquifers, it might make sense to test targeted wells that are very near the potential sources of contamination. If the testing program is focusing on water quality conditions in the entire village and is measuring randomly-located wells throughout the village, then the once-per-five-year timeframe is more than adequate.

Conditions. Dr. Thomsen said the conditions mentioned are not of concern to the well water quality testing that is proposed. Although bacteria growth in water distribution systems (wells and plumbing) can be sensitive to temperature, Level 2 testing does not test water quality parameters that are sensitive to temperature. Groundwater temperature locally is stable at approximately 54 degrees F. Water levels and other factors do not affect the parameters measured.

- The Board asked how the water quality data that is generated by the testing will be analyzed.

Dr. Thomsen confirmed that analysis of Level 2 test results would include mapping and that buffer area data would be needed. Contour maps would demonstrate where concentrations of specific water chemistry features such as chlorides or nitrates are higher or lower throughout the region. Concentrations of specific water chemistry features in individual wells can also be graphed over time. The BACOG office has examples of this

type of work; examples can be shown, if you wish.

Buffer area test results will be needed to tie into Barrington Hills' data for creating accurate contours on the maps. Dan Strahan mentioned after the meeting that the municipal supply wells in surrounding communities are required to test their treated water, not the raw water; the municipal well test results will not therefore generate suitable data. The locations in Algonquin, Carpentersville, Fox River Grove, Cary, South Barrington, and Barrington are ideal locations however.

The BACOG-ISGS monitoring wells would be suitable buffer area wells for water testing. Because these wells do not have pumps in them, testing has a different cost – which is why this activity is a future goal but not currently funded under the BACOG monitoring program. BACOG has agreements in place with the Illinois State Water Survey (ISWS) and Illinois State Geological Survey (ISGS) to access these wells for water measurements, which is an advantage to the village if you should wish to pursue this approach. The nearest of these wells to Barrington Hills are in Crabtree Nature Center and Lake Barrington. The cost to test one well is estimated in the range of \$350-500.

- The Board discussed costs for testing the nine identified locations and potential additional private residents' locations, as well as privacy issues for the latter.

Costs. I established a partnership between the ISWS and BACOG in 2009 specifically for the Level 2 water testing, whereby the ISWS charges BACOG residents a fee of \$35/50/65 for raw/water softener/reverse osmosis-treated water samples if the samples are sent from the BACOG program. Our partnership includes data sharing, a limited number of test samples per month, shipping arrangements, and other program agreements. This is a program for all residents of the BACOG area with regional benefits. We have a waiting list of approximately 80 residents currently, and we are limited to processing 6-10 residents' samples per month according to the ISWS preferred timeframe.

Depending on how often the village decides to run the Level 2 tests, BACOG may be able to accommodate the testing for the nine locations. If the village proceeds with Dr. Thomsen's recommendation of every five years, I anticipate being able to dedicate one Level 2 test event to Barrington Hills, where BACOG obtains kits and instructions, village staff makes contacts with property owners to obtain fees and water samples, BACOG ships, etc. This would be ideal.

If the village wishes to run the Level 2 tests every year, or more often, or if you expand the testing network to include more locations with private residential properties, BACOG probably would not be able to accommodate that frequency and number due to displacement of area residents on the waiting list. In that case, the village could make arrangements with a private company where the cost is likely to be in the range of \$250 per test.

Especially if you increase your number of locations, we may want to discuss with the ISWS laboratory their ability to process more test samples from the village, submitted independently from BACOG, for the purpose of this program. It would be of greater benefit to the region to have **exactly** the same tests, done by the same entity, in Barrington Hills as for residents of BACOG for future analysis and mapping purposes.

Privacy. I spoke to Arnie Rapa, Lake County Environmental Health, who is my contact for our groundwater program about well drilling. In our experience at BACOG, some of the old driller well logs do not contain locational information such as accurate addresses or PIN numbers, almost all of the

newer well logs do contain addresses and latitude/longitude (or Lambert X/Y, a different coordinate system). Arnie Rapa confirmed that the State well code regulations have required for some years that the well logs contain PIN number, address, and GPS latitude/longitude. Where old well logs do not have this information, I know that recent efforts of the ISGS have used various methods to assign GPS coordinates to wells for their records.

If I understood the discussion at the meeting, I believe it would be very difficult if not impossible to test water samples through the Illinois State Water Survey using only Township/Range/Section/quarter section as a generalized location. I believe the State would want to know a more specific location, address, etc. for their own purposes, as they too use water quality data for analysis and mapping at the state level, and would require or assign a specific address or coordinate. I would surmise that residents' information would be available at some level, at some time, to the public.

Thank you for forwarding this information to the members of the Board of Health.

Janet L. Agnoletti, Executive Director

Barrington Area Council of Governments

112 Algonquin Road

Barrington Hills, Illinois 60010

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