

Village of
Barrington Hills
BOARD OF HEALTH

Memo

To: Trustee Zubak
From: Robert Kosin
cc: Board of Trustees, Village President
Date: June 26, 2017
Re: Board of Health Groundwater Program

The Chairman of the Board of Health, Gwynne H. Johnston, has been informed that the Village Engineer has made arrangements at eight locations throughout the Village to take raw water samples. This is pursuant to the program under the direction of the Board of Health to continue the Level II groundwater sampling, as coordinated by BACOG, at various semi-public wells within the Village.

As was done in 2015 the office of the Village Engineer has contacted the following locations and taken during the week of June 6th raw water samples:

- ❖ Countryside School
- ❖ St. Mark's Church
- ❖ St. John Nepomucene Chapel
- ❖ Presbyterian Church
- ❖ Barrington United Methodist Church
- ❖ Barrington Hills Park District
- ❖ Barrington Hills Country Club
- ❖ Bellarmine Hall

Sampling of the raw water from the New Friends Church and the Village Hall will be undertaken in another testing cycle in 2017.

The samples were transmitted to the Illinois State Water Survey for analysis.

Thereafter a presentation is expected at the August 8th meeting of the Board of Health, for reference there is attached the prior report from 2015.

If interested, BACOG is presenting on various topics related to our areas groundwater. See attached for further information.

Memorandum

To: Village of Barrington Hills - Board of Health
Dan Strahan, Gewalt Hamilton Associates, Inc.

From: Caitlin Burke, Gewalt Hamilton Associates, Inc.

Date: August 6, 2015

Re: Village of Barrington Hills – June 2015 Well Water Quality Testing Results

Location	Main Parameters of Concern	Notes
New Friends Wesleyan Church	Iron	Moderately mineralized and very hard. Softener seems to be effectively removing iron and hardness.
Presbyterian Church of Barrington	None	Moderately mineralized and very hard. Softener seems to be effectively removing hardness.
Barrington United Methodist	None	Moderately mineralized and very hard. Softener seems to be effectively removing iron and hardness.
St. Mark's Church*	Dissolved Solids	Highly mineralized and soft.
St. John Nepomucene Chapel	Iron	Lightly mineralized and naturally soft.
Barrington Hills Country Club	Iron	Moderately mineralized and very hard.

*May have passed through a softener, even though it was sampled at an outdoor spigot.

The results of the Level 2 Groundwater Quality Testing performed on June 16, 2015, show that for all locations, the content of *arsenic* in the samples are well below the Federal Maximum Contaminant Level (MCL) of 10 µg/L, and the content of *nitrate* in the samples are well below the Federal MCL of 10 mg/L.

Parameters of concern are explained below:

- High levels of **dissolved solids** may impart an unpleasant taste to the water.
- High levels of **iron** present only aesthetic concerns – potential staining of porcelain and laundry, increased turbidity due to oxidized iron, and formation of scale in hot water heaters.



WATER WATER EVERYWHERE? WEDNESDAY, JULY 19, 7 PM

What's coming out of your tap?
Janet Agnoletti, executive director of Barrington Area Council of Governments,
discusses the myriad ways BACOG watches out for area water interests,
resources to help you ensure your water is safe,
and a new initiative to track trends in aquifer levels.

REGISTER AT BALIBRARY.ORG