

***New Hartford Public Schools***  
**Plant Facility and Transportation Subcommittee Meeting Minutes**  
**June 25, 2024**  
**Superintendent's Office**  
**5:30 pm**

**Attendance: Jeffrey Sousa, Superintendent Timothy Russell Jr. (virtual), BOE Member, Meagan Albert, BOE Member, Tom Buzzi, Subcommittee Chairman, Tom Neil (virtual), EnviroMed**

- 1.) Chlorination System and PFAS - Proposals were discussed relative to cost considerations and budget planning.**
- 2.) Asbestos Abatement Plan Specifications - Proposals were discussed relative to cost considerations and budget planning. Tom Neil provided general information for each site plan.**
- 3.) Action taken- move to discussion at future BOE meeting.**
- 4.) Adjournment 6:08p.m.**

# WATER SYSTEM SOLUTIONS & DESIGN, INC.

740 Thomaston Road  
P. O. Box 180  
Watertown CT 06795

Tel: 860-274-8853  
Fax: 860-274-9648  
ronwblack@msn.com

May 9, 2024

TO: Jeff Sousa, Superintendent – New Hartford Schools  
From: Ron W. Black, Chief Operator of Antolini and Bakerville Water Systems  
RE: PFAS Testing of Wells

The EPA and DPH have recommended that public water systems test sooner than later for the presence and levels of the newly regulated PFAS compounds in the water supply. We have performed this testing at over a dozen wells sites to date, and have found some with levels exceeding the standards, and some that are completely non-detect. The non-detect well results have been on deeper rock drilled wells, in locations that have not been exposed to run-off and surface contamination. The only way to find out however – is to test.

PFAS sampling is not inexpensive, and it can vary depending on the levels of contamination found – or the lack thereof. Each well source test runs about \$400, plus a \$400 Field Blank that is required per site. Note – if NO levels of any contaminant are determined in the raw water samples (i.e. – all are non-detect), then the Field Blank is NOT required nor run - so no cost for the Field Blank, just Raw Water samples. There is some time required to pull the samples, plus special handling to sample and deliver to the lab.

Note – if results are present, and PFAS is detected, it is strongly recommended that repeat testing be done to confirm the results. Remediation and Removal of the contaminant is very expensive to install, and to maintain, so it is critical that the system be absolutely sure of the results of testing. We have installed a full PFAS removal system for the Town of Weston Schools – it is costly.

## Testing Costs:

- Each well - \$400 per well.
- Field Blank - \$400 per sampling site (if required – see above).
- Transport/handle/sample - \$200 per site

## Antolini: 2 wells, 1 site: Budget \$1400, might be only \$1000 if well results are Non-Detect.

- |                                      |       |
|--------------------------------------|-------|
| • 2 well samples, each \$400         | \$800 |
| • 1 Field Blank @ \$400 if required: | \$400 |
| • Transport/handle/sample:           | \$200 |

## Bakerville: 2 wells, 1 site: Budget \$1400, might be only \$1000 if well results are Non-Detect.

- |                                      |       |
|--------------------------------------|-------|
| • 2 well samples, each \$400         | \$800 |
| • 1 Field Blank @ \$400 if required: | \$400 |
| • Transport/handle/sample:           | \$200 |

Please don't hesitate to contact me with questions.

Sincerely,



Ron W. Black  
President

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May 16, 2024

Attn: Jeff Sousa, Superintendent  
From: Ron W. Black  
RE: **Bakerville School** – Chlorination of Water Supply

Dear Jeff,

As we discussed, we have become strong advocates of getting school water supplies chlorinated. In addition, we have had bacteria hits at Bakerville over the past 10-20 years. Because we are required to sample once every 3 months, a problem can occur and contaminate the drinking water without ever being detected for months. The DPH and we have become firm supporters of chlorinating all public water supply systems in an effort to prevent bacterial and viral contamination and illness. Public awareness to water quality and safety has grown exponentially over the past few years, and we now strongly recommend to all of our clients that they should do everything possible to assure the public that they are providing safe and reliable water to the best of their ability – including chlorination as a basic step.

A permanent chlorination system installed at each school will help insure safe and potable water all the time to the entire school population. Maintaining a free chlorine residual will help keep the water safe, and will help maintain full uninterrupted compliance with the health codes and DPH standards. We have nearly 30 other systems throughout this area that we have chlorination in, as wells are slowly showing that bacteria comes and goes - and it is best for the consumer and customers to *proactively* install a chlorine system. instead of waiting for a DPH violation, or, worse, a health risk or illness to occur.

We do all design and submittal work required for State of CT DPH approval needed to install and maintain the system:

- Full design submittal that we prepare and send to the DPH for their review and Approval to Install
- Installation of the feedpump system as designed with piping, controls, safety switches and solution tank
- Installation of the required automatic chlorine analyzer to sample continually and activate alarms as needed
- The 24/7 chart recorder to document the levels that need to be measured daily and then reported to the DPH
- Prepare and send the monthly treatment daily logs to DPH; sampling as required.

**COST: Complete chlorine feedpump system with analyzer and chart recorder, designed/installed: \$14,500**

- Pulstatron chemical feedpump, internal control, paced to adjust to varying well flows
- Safety flow-switch and lockout controls
- 35-gallon chemical day tank for solution, on spill containment skid.
- Piping, valves, electrical controls and safety shut-offs for system installed
- Designs and Drawings, with Submittals to the State of CT for DPH review and approvals
- ATI Q46 monitoring system with alarms for high and low chlorine, with appropriate shutoffs
- Honeywell DR4301 - 7-day chart recorder system to log chlorine levels per DPH requirements
- Piping and electrical, as needed
- Labor and Warranties

Adding a chlorination system will change and increase the water testing requirements - lead and copper sampling will need to be done every 6 months for a year. Since we currently visit the site once every 2 weeks to insure proper operations, we would not need to increase this current frequency of site visits to oversee and operate the chlorine treatment system.

Thank you,



Ron W. Black  
President, Chief Operator

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