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CERTIFIED MAIL

January 23, 2017

Paul Bisson  
Harrisville Fire District  
115 Central Street  
Harrisville, RI 02830

Dear Mr. Bisson:

Enclosed please find our Sanitary Survey Report for the Harrisville Fire District Public Community Water System. Rhode Island Department of Health (RIDOH) personnel conducted the survey on Thursday, January 12, 2017. This survey was conducted in accordance with Section 16.4g of the Rules and Regulations Pertaining to Public Drinking Water (R46-13-DWQ).

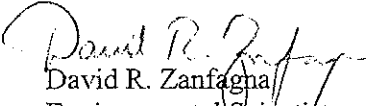
The narrative portion of this report is divided into four sections:

- **Section I – System Overview**, provides our overview of system infrastructure. Please provide any information that was unavailable at the time of the survey as indicated by highlighted areas throughout this report, and update information that may be incorrect herein.
- **Section II - Significant Deficiencies**, identifies significant deficiencies that are required to be corrected within ten (10) days of the date of the survey. **You are required to notify the Center for Drinking Water Quality with a written response and/or a corrective action plan (CAP) once the items are complete. The written response requires, when applicable, photographic evidence of the repairs to the public water system.**
- **Section III - Minor Deficiencies**, identifies minor deficiencies that are required to be corrected within thirty (30) days of the receipt of this report as indicated by certified mail confirmation. **You are required to notify the Center for Drinking Water Quality with a written response and/or a corrective action plan (CAP) once the items are complete. The written response requires, when applicable, photographic evidence of the repairs to the public water system.**
- **Section IV- General Comments and Recommendations**, provides additional information on proper water system maintenance and operations, which, if implemented, will further safeguard your water system.

Please feel free to contact the Center for Drinking Water Quality at (401) 222-6867 with questions or to obtain additional guidance with regard to this report and our findings.

Thank you for your time and continued cooperation.

Sincerely,

  
David R. Zanfagna  
Environmental Scientist  
Rhode Island Department of Health  
Center for Drinking Water Quality

cc: File

## SECTION II - SIGNIFICANT DEFICIENCIES

To protect your public drinking water supply the following significant deficiencies must be corrected within ten (10) days of the date of the survey. You are required to notify RIDOH once these items are corrected. The written response requires, when applicable, photographic evidence of the repairs to the public water system. Authority: *R46-13-DWQ Rules and Regulations Pertaining to Public Drinking Water.*

No observations were recorded in this category.

## SECTION III - MINOR DEFICIENCIES

Corrective actions associated with items in this section must be identified in a written response provided to RIDOH and whenever possible corrected within thirty (30) days of the date on this survey.. The written response requires, when applicable, photographic evidence of the repairs to the public water system.

No observations were recorded in this category.

## SECTION IV - GENERAL REQUIREMENTS AND RECOMMENDATIONS

1. This office always takes this time to remind all public water suppliers to be certain that all applicable provisions are put in place to enable having their water storage tanks internally cleaned and inspected at five-year intervals in accordance with American Water Works Association (AWWA) guidelines. Additionally, **all tanks should have their access hatches, vent screens, and altitude valves inspected minimally on a yearly basis to ensure that access hatches are closed and secured, tank vent screening is in place, and altitude valves, where applicable, are operable.**
2. Standard operating procedures must be in place to ensure appropriate movement of potable water within storage tanks. Current AWWA guidance recommends that water supplied to storage tanks be cycled/turned over every three days, at minimum.
3. Auxiliary generators within the water system must be run, under actual load conditions, minimally once per year, and test operated on a minimal monthly basis to help ensure that all generator components will run as required. Said testing must be entered in a logbook depicting water system operation.
4. All chemical treatment equipment should be calibrated in accordance with manufacturers' recommendations to help ensure proper operation of all applicable equipment, specifically the chemical pumps.
5. Be aware of the risks, responsibilities, and liabilities of confined space entry. For more information on confined space entry call the National Institute for Occupational Safety & Health (NIOSH) at 800-35-NIOSH; or the Occupational Safety & Health Administration (OSHA) at 800-321-OSHA; or the RI Division of Labor.

6. This office must be notified of modifications to the system per [R46-13-DWQ] Sec.4.1. An **Application for Approval** form must be submitted for significant modifications including equipment upgrades and design improvements to the system. Routine maintenance on a water system, such as pipe and valve replacement or repair does not need to be reported. An **In-Kind Replacement** form must be submitted for replacement of pumps, storage/pressure tanks or treatment components that are functionally equivalent to the original components.
  
7. Proper disinfection must be practiced whenever intrusive work on the system is performed or if the system is dewatered. After appropriate disinfection and flushing, additional bacteriological samples must be taken to verify the water is safe for consumption.

**POSITIVE TCR SAMPLES**

| Sample ID | Type    | Date      | Comment | Chlorine Residual |       |
|-----------|---------|-----------|---------|-------------------|-------|
|           |         |           |         | Free              | Total |
| E607U061  | Special | 7/27/2016 |         |                   | 0.180 |
| E607K741  | Special | 7/20/2016 |         |                   | 0.010 |
| E607I101  | Special | 7/19/2016 |         |                   | 0.100 |

**REJECTED TCR SAMPLES**

No Rejected Samples were reported in the past year.

**MONITORING VIOLATIONS**

No monitoring violations were reported in the past year.

**MCL VIOLATIONS**

No maximum contaminant level violations were reported in the past year.

**OTHER VIOLATIONS**

No other violations were reported in the past year.