



The State of New Hampshire
Department of Environmental Services

Robert R. Scott, Commissioner



SEPTEMBER 6, 2022

via e-mail

CHRISTOPHER KELLAN
TIMBERLANE REGIONAL SCHOOL DIST
30 GREENOUGH RD
PLAISTOW NH 03865

Subject: **NTNC: DANVILLE: DANVILLE ELEMENTARY: PWS # 0585010: SANITARY SURVEY**

Dear Mr. Kellan:

On August 30, 2022, the New Hampshire Department of Environmental Services, Drinking Water & Groundwater Bureau performed a sanitary survey inspection of your Non-Transient, Non-Community public water system pursuant to RSA 485 and Env-Dw 717 and 720. Under these statutes and rules, the Department of Environmental Services has the responsibility and authority to conduct sanitary surveys of public water systems in New Hampshire.

A sanitary survey consists of a physical review of the main elements of the water systems to verify its capability to reliably produce safe drinking water. The eight sanitary survey elements evaluated are: well sources, treatment, distribution, storage, pumping, data records, management, and operations.

In attendance at time of the inspection: Mary Clairmont, DES Sanitary Surveyor
Daniel Wojcik, Pennichuck Water Service Co.

SIGNIFICANT DEFICIENCIES

Pursuant to Env-Dw 103.52, a significant deficiency is one that "can directly and adversely affect a public water system's water quality or that can reduce the water system's reliability and ability to deliver safe drinking water to its customers". At the time of the sanitary survey, there were no significant deficiencies noted.

SYSTEM DESCRIPTION

Danville Elementary School obtains its water from a single bedrock well. Bedrock well (002) with 80 feet of six-inch diameter steel well casing located 100 feet south of the school is 200 feet deep and yields 18 gallons per minute. Water is pumped from the well via a submersible well pump with flow entering up through the floor within the 1964 boiler room. Flow passes a source sampling tap, check valve and source meter prior to entering a Well Rite 360R (119 gallon) pre charged pressure storage tank. Flow out of the single storage tank is treated with a chlorine injection for disinfection and through three MTM (greensand) filters for iron removal. Treated water enters the two additional Well Rite 360R (119 gallon) pre charged tanks located within the same room as treatment. Additional storage within the school consists of three WR360 (119 gallon) within the middle hall boiler room of the 1987 wing and four, WX-455 (370 gallon) located in the boiler room of the 2000 wing. Treated water is supplied to the school with 288 students and 72 staff in pre-K to grade 5. The water use is approximately 1,637 gallons per day.

SANITARY PROTECTIVE AREA

All public water supply system wells require a protective well radius, under the control of the well owner, within which no septic tanks, leach fields, oil, debris, or other hazardous materials may be located or stored. Currently, the area contains the ball field and playground of which the well is located adjacent to which is acceptable based on historical water quality. The water system's potential for reduced monitoring and future waivers from a portion of its chemical monitoring requirements shall be diminished by the location of buildings, roadways, parking lots and other such construction within the well's protective radius.

CHANGE OF CONTACT INFORMATION

Whenever a water system contact (e.g., owner [board president for systems with administrative boards], water sampler, owner's representative, primary operator, etc.) changes, please update NHDES Drinking Water and Groundwater Bureau by providing the name, company affiliation, home address, daytime phone number, emergency (mobile) phone number, and email address to imupdates@des.nh.gov.

Online, introductory 1-hour training for board members is available by clicking on this hyperlink:
<http://newwa.org/TrainingCertification/FreeOnlineLearningCourses.aspx>.

FUTURE CONSTRUCTION OR EXPANSION

Be advised that under RSA 485:8 (Approval of Construction or Alteration), no new construction, addition or alteration involving the source, treatment, distribution, or storage of water in any public water supply system can begin without the approval by the Department.

In addition to any significant deficiencies listed above, any recommendations for system improvements are listed at the end of this letter. The ownership and operation of a public water supply system involve many significant responsibilities. Our main concern is to protect the public health. It is also our intention to work with you in solving any water related problems that your system may have. Should you have any questions, please contact me at 603-271-6603 or by e-mail at mary.clairmont@des.nh.gov.

Sincerely,



Mary Clairmont, Environmentalist III
Drinking Water and Groundwater Bureau

Cc: Daniel Wojcik, Certified Operator, via e-mail

RECOMMENDED SYSTEM IMPROVEMENTS

MONITORING PROGRAM

The water supply system satisfies the definition of a non-transient, non-community public water supply system. Under the Safe Drinking Water Act (SDWA), all non-transient, non-community public water supply systems are subject to certain requirements such as submitting samples of water for analysis and assuring that the water meets the quality standards of the Act.

If you fail to submit water samples on time, the State has the option of seeking substantial daily fines. Fines of up to \$4,000 can be assessed against systems for failure to monitor. Please ensure that future samples are submitted in a timely manner.

A copy of the water system's master sampling schedule may be obtained from the DES Website at <http://www2.des.state.nh.us/DESONestop/BasicSearch.aspx>

If you have any questions regarding the monitoring program, please contact this office at (603) 271-2542 for bacteria or (603) 271-3907 for chemical.

MANAGEMENT - RECORDS AND FILES

We suggest the establishment or continuation of a permanent file for water supply matters. The Safe Drinking Water Act (SDWA) requires that water system records be kept for the timeframes noted in DES Factsheet No. WD-DWGB-7-1 *Water System Record Retention*, available on our website at: <http://des.nh.gov/organization/commissioner/pip/factsheets/dwgb/index.htm>. Further, because of the vast number of systems we deal with, all requests for information concerning the system's water quality, whether from its users or town officials, will be referred to the water system's owner in the future.