



The State of New Hampshire  
**Department of Environmental Services**

**Robert R. Scott, Commissioner**



AUGUST 17, 2022

via e-mail

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

Subject: **NTNC: SANDOWN: SANDOWN CENTRAL SCHOOL: PWS # 2085010: SANITARY SURVEY**

Dear Mr. Kellan:

On August 16, 2022, the New Hampshire Department of Environmental Services, Drinking Water & Groundwater Bureau performed a sanitary survey inspection of your Non-Transient, Non-Community subject 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 system deficiencies noted.

SYSTEM DESCRIPTION

**Sandown Central School** obtains its water from a single bedrock well. Bedrock well # 1 with 115 feet of six-inch diameter steel well casing, located four feet northwest of the building is 150 feet deep and was noted as yielding 30 gallons per minute when started up in 1971. Water is pumped from the well via a submersible well pump with flow entering up through the floor in the mechanical room. Flow passes a source tap, source meter and check valve. Chlorine is injected for disinfection and for oxidization of iron prior to entering two Well Rite 360's (119 gallon) pre charged pressure storage tanks. After storage, flow passes a pacing meter and through three greensand filters for iron and manganese removal followed by three calcite filters for corrosion control. Treated water is supplied to the school with 152 students and 45 staff in grades pre-K through kindergarten and including the Timberlane Learning Center. The water use is approximately 1,000 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 school building 4' and paved parking lot 50' and the adjacent cemetery 100' from the well head 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](mailto: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](mailto: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.