



January 7, 2021

Fishbeck  
Attn: Stephen MacDonald, PE  
1515 Arboretum SE  
Grand Rapids, MI 49546

SUBJECT: Final Approval and Sanitary Survey for PFAS Treatment System and Source 002 at  
Robinson Elementary School, 11801 120<sup>th</sup> Ave, Grand Haven, MI 49417  
WSSN: 2025370 Source 002

Dear Mr. MacDonald:

On October 28, 2020 a representative of the Ottawa County Department of Public Health, Drew Shaw, REHS, completed a site visit for the final approval and sanitary survey at Robinson Elementary School. Since the site visit, water samples have been collected to complete the requirements of the permits. A copy of the final approval and sanitary survey of your public water system is enclosed. The purpose of this sanitary survey, conducted under the authority of Michigan's Safe Drinking Water Act (Act 399 of the Public Acts of 1976) and Administrative Rules, was to:

1. Determine if the system meets minimum construction and operation standards and require corrections where necessary,
2. Determine if the system currently meets applicable state drinking water standards, and
3. Establish water quality monitoring (water sampling) requirements.

A Water Supply Serial Number (WSSN), a unique identifier for water systems, has been assigned to each public water supply in the state. Your water supply serial number is WSSN 2025370 source code 002.

### **Construction/Operation**

Robinson Elementary School is located in Robinson Township and is a part of the Grand Haven Area Public School System. In October of 2018, Per- and Polyfluoroalkyl Substances (PFAS) contamination was identified in the drinking water during the initial Michigan Statewide PFAS Sampling Initiative. Since that time, the school has been providing bottled water while working towards a more permanent solution of providing safe drinking water by installing treatment to remove PFAS. On October 16, 2019 a permit to install a PFAS treatment system was issued. During the installation of the PFAS treatment system it was determined that a new well would have to be installed to meet the requirements of the permit and provide dependable water supply for the school. A permit to install Source 002 was issued on June 26, 2020. Since the installation of the PFAS Treatment System in February of 2020 and Source 002 in August of 2020, the School and Fishbeck have been collecting water samples to meet the conditions of the permits and verify that the treatment system and well function as designed to provide safe drinking water.

According to the items surveyed, the water system is **In Compliance** with the construction and operation standards established by the Act.

### **Water Quality**

The water quality of Noncommunity Public Water supplies must meet state and federal drinking water standards.

### **Monitoring (Sampling) Requirements**

Unless you are required to sample more frequently as a condition of a license or policy, your system must meet the following sampling schedule.

<b><u>Analyte</u></b>	<b><u>Sample Location(s)</u></b>	<b><u>Frequency</u></b>	<b><u>Monitoring Periods</u></b>
Coliform (Bacteria)	3 Compartment Sink - Kitchen	Quarterly	Q1 (Jan – March) Q2 (April – June) Q3 (July – Sept) Q4 (Oct – Dec)
Nitrate	Plant Tap	Annual	Jan 1 – December 31
Nitrite	Plant Tap	3-Year	December 31, 2022
PFAS	Plant Tap	Quarterly	Q1 (Jan – March) Q2 (April – June) Q3 (July – Sept) Q4 (Oct – Dec)
Water Quality Parameters (WQP)*	1 at Raw Water Sample Tap and 1 at Sink in Staff Lounge	Semi-Annual (6 Months)	January 1 – June 30 July 1 – December 31
Lead/Copper	See Lead/Copper Sample Siting Plan	Semi-Annual (6 Months)	January 1 – June 30 July 1 – December 31
Arsenic	Plant Tap	3-Year	December 31, 2022
Cyanide	Plant Tap	3-Year	December 31, 2022
Complete Metals	Plant Tap	3-Year	December 31, 2022
Volatile Organic Chemicals (VOC)	Plant Tap	3-Year	December 31, 2022
Synthetic Organic Chemicals (SOC)	Plant Tap	3-Year	December 31, 2022

\*Water Quality Parameter samples must be collected at the same time as the routine lead/copper samples.

Sample containers for bacteria, partial chemistry, and lead/copper may be picked up and dropped off at the Health Department. Other analytes require prior notification prior to pick up and drop off.

Lead and copper samples shall be collected first-draw with a flow rate like the rate used under normal use (as in filling a glass of water). The fixture must have been used the day prior. Procedures shall not include a “pre-stagnation flush” but must involve a minimum six-hour stagnation period prior to first-draw sampling.

### **Sampling Procedures**

Remember to record the WSSN and source code on each water sample form. Without this number on the sample form, you may not be credited for collecting a required sample. Sample bottles, instructions and report forms may be available at our office or by ordering them directly from the EGLE laboratory. Payment of laboratory fees are the responsibility of the owner/operator of the water supply.

If a laboratory other than the EGLE laboratory is used for sample analysis, it must be certified by EGLE for the analysis performed, and a copy of the results of the analysis must be provided to this office by the water supply owner/operator as soon as possible to avoid monitoring violations.

**Additional Requirements**

Source 001 has yet to be properly plugged and abandoned. Source 001 is still required to be properly plugged and abandoned and must be done so as soon as possible but no later than December 31, 2021.

**Operation**

A certified operator (CO) is required to be retained at all times. The CO must be certified at the D5 level or higher. The CO is responsible for completing routine inspections of the system and must provide monthly operation reports (MORs) to Ottawa County. The current CO on record is John Barszewski, Operator ID 3899. Mr. Barszewski's certification expires on 10/15/2022. This department must be notified when or if a new CO is retained.

Failure to comply with this compliance schedule will result in escalated enforcement. The Act specifies that it is the owner/operator's responsibility to collect and submit the required water samples for analysis and to maintain and operate the water system in a sanitary condition.

If you have questions regarding the sanitary survey or monitoring requirements, please contact this office at (616)393-5636 or [dshaw@miottawa.org](mailto:dshaw@miottawa.org).

Sincerely,



Drew Shaw, REHS  
Noncommunity Water Supply Coordinator  
Ottawa County Department of Public Health  
(616)393-5636  
[dshaw@miottawa.org](mailto:dshaw@miottawa.org)

Enclosures:

Application and Permit to Install Water Supply System  
Sanitary Survey Report  
GIS Map of Facility  
Water Well and Pump Record  
Water Sampling Status Report

CC:

Andrew Ingall, GHAPS  
Jeffrey Marcus, GHAPS  
Jason Mackay, GHAPS  
Carolyn Kreiger, EGLE  
Chris Walkons, EGLE  
Dan Dettweiler, EGLE