



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY



Clean Drinking Water Access Act

Drinking Water Management Plan for Schools

Kaiser Elementary School

School Building Name

1987

School Building Code

Roseville Community Schools

School District

Child Care License Number (if one exists within the school building)

Joseph Smith

Responsible Staff Name

Director of Buildings and Grounds

Responsible Staff Title

586-445-5697

Responsible Staff Phone Number

JSmith@Roseville.k12.mi.us

Responsible Staff Email Address

2024/25

School Year Plan Date

January 24, 2025

Update Plan Due-By Date

August

Annual Sampling Month

MI0005820

Public Water System ID (PWSID)*

*A PWSID is how a water supply is identified. A list of PWSIDs is available at Michigan.gov/FilterFirst.



The Michigan Department of Environment, Great Lakes, and Energy (EGLE) has created the Drinking Water Management Plan (DWMP) as a tool to maintain healthy and safe drinking water in the building throughout the year. This document is a template that may be used for the DWMP per the requirements of the Clean Drinking Water Access Act (CDWAA), 2023 PA 154. Schools may use this document or create their own plan, provided it includes all the required elements listed below. Individual forms for each required element may be found at Michigan.gov/FilterFirst.

Retain and utilize the DWMP. The first DWMP must be developed by January 24, 2025, and updated at a minimum of every 5 years per the CDWAA. Upon request, the DWMP shall be made available to EGLE, staff, parents and guardians, and the public.

The DWMP must include the following required elements:

1. The location of each consumptive water outlet (drinking, as a component of a food or beverage, rinsing foods, brushing teeth, making baby formula):
 - a. Location of filtered bottle-filling station (1/100 occupants of the building).
 - b. Location of filtered faucet (kitchens, nurse stations, preschool classrooms, teacher lounges).
2. The location where a water outlet will be maintained for purposes other than described above (nonconsumptive fixtures).
3. The location where a water outlet will be shut off or rendered permanently inoperable.
4. A schedule for when each of the following will occur:
 - a. Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet.
 - b. Regular replacement of the filter cartridge for each filtered bottle-filling station and filtered faucet in compliance with the manufacturer’s instructions or recommendations of EGLE.

Each school shall submit the CDWAA Certification Form that certifies the school has complied with the requirements of the CDWAA to EGLE on an annual basis by August 15. The certification form can be found at Michigan.gov/FilterFirst. All current required documents must be retained by the facility and submitted to EGLE if requested.



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To request this material in an alternate format, contact EGLE-Accessibility@Michigan.gov or 800-662-9278.



General Information

Key Terms:

Bubbler Fixture: A fixture on a drinking water fountain/water cooler through which water is forced up in a small arc from a nozzle that allows an individual to drink from the arc directly.

Consumption Water: Water used for drinking, component of food or beverage, or brushing teeth, rinsing food, and making baby formula.

Department: The Department of Environment, Great Lakes, and Energy (EGLE)

Drinking Fountain: An un-chilled plumbing fixture that is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.

Filtered Bottle-filling Station (also known as Hydration Station): An apparatus that is connected to building plumbing, filters water, is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal, has a light or other device to indicate filter cartridge performance, is designed to fill drinking bottles or other containers used for personal water consumption, and has a bubbler fixture that allows the user to drink directly from a stream of flowing water without the use of any accessory.

Filtered Faucet: A faucet that includes at the point of use a filter that is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal.

First Draw: The first 250 mL sample of water from a fixture after at least an 8-hour stagnation period.

Fund: School and child care center clean drinking water fund created in section 11 of PA 0154.

School: Public or nonpublic as defined in section 5 of the revised school code, 1976 PA 451, MCL 380.5.

Water Cooler: a plumbing fixture that chills the water and is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.



Acronyms:

- CDWAA**..... Clean Drinking Water Act
- DWMP**.....Drinking Water Management Plan
- EGLE** Michigan Department of Environment, Great Lakes, and Energy
- mg/L**..... Milligrams per liter (lab sample measure, same as one part per million)
- NSF/ANSI 42** National standard for particulate removal
- NSF/ANSI 53** National standard for lead reduction (must specify for lead)
- PN**..... Public Test Result Notification
- POE**..... Point of Entry (location the water enters the building)
- POU**..... Point of Use (the end of a faucet)
- ppb**..... Parts per billion (one part per billion of volume of a water sample)
- ppm**..... Parts per million (one part per million of volume of a water sample)
- PWSID** Public Water System ID (how a water supply is identified)
- µg/L**..... Micrograms per liter (lab sample measure, same as one ppb)

Maintenance Categories:

Preventive Maintenance: Planned and carried out on a regular basis to maintain and keep infrastructure in good condition.

Corrective Maintenance: Replacing or repairing something done incorrectly or needing change for improvement.

Emergency Maintenance: Reaction to a crisis or public complaints normally due to failure, malfunction, or breakdown of plumbing/equipment.

Periodic Maintenance: Infrequent actions needed, for example biannual, once in five years, etc.



Roles and Responsibilities:

List the names of school staff or third-party contractors who play a role or have responsibilities for following and executing the DWMP. May include contacts for filter and bottle fill station manufacturers/distributors.

Person's Name	Title or Company	Phone Number	Email Address	Role or Responsibility
Joe Smith	Director	586-445-5697	JSmith@roseville.k12.mi.us	Execution of the DWMP
Scott Sikorski	Coordinator	586-445-5699	SSikorski@roseville.k12.mi.us	Execution of the DWMP

Comments:



Fixture Identification Code Development Guidelines:

It is important to follow these guidelines to generate a unique fixture identification code (Fixture ID) for each fixture used for consumption to support: quick identification, fixture maintenance, sampling, matching test results to the sample, and reporting to EGLE when necessary (Note: adhering to this coding system now will save time in the future when reporting to EGLE’s on-line electronic data collection system, will promote consistency, and reduce sample confusion).

The following table lists the fixture type codes that are used for compliance sampling and reporting purposes to EGLE.

Table 1: Fixture Type Codes

Code	Fixture Type
<i>B</i>	Bubbler outlet on the bottle fill unit (hydration station)
<i>BF</i>	Bottle fill outlet
<i>CF</i>	Classroom faucet
<i>DF</i>	Drinking Fountain
<i>IM</i>	Ice machine
<i>KF</i>	Kitchen faucet
<i>KK</i>	Kitchen kettle-fill
<i>NS</i>	Nurses sink faucet
<i>OT</i>	Other faucet used for consumption (in a break room, office, library, etc.)
<i>RF</i>	Restroom faucet (used for consumption)
<i>SC</i>	Service Connection (Tap closest to the service line)
<i>TL</i>	Teachers’ lounge faucet
<i>WC</i>	Water Cooler (plug-in chiller unit/ refrigerated unit)



Generating the fixture identification code:

The Fixture ID should be long enough to identify the building, location, and fixture type, but not too long that the laboratory reporting cuts off some of the code (maximum of 20 for State Laboratory reports). The Fixture ID is created as follows:

1. The Fixture ID code starts with 2-3 letters for the building name.
 - a. Example: West Elementary = WE
 - b. Example: Wilson High School = WHS
2. The middle part of the Fixture ID code is the location.
 - a. Example: Room 110 = 110
 - b. Example: West wall of the Gym = WGym
 - c. Example: East wall of the Gym = EGym
 - d. Example: Second floor hallway by room 201 = 2FH201 or 201HALL
3. The last part of the Fixture ID code is the fixture type found on Table 1 above. Adhering to these codes is needed for reporting consistency and statistical analysis.

If following the EGLE coding system, dashes in between the three sections must be used.

Below are examples of complete Fixture ID codes for some fixtures in one building:

- | | | |
|---------------|-----------------|--------------|
| 1. WE-110-CF | 4. WE-2FH201-BF | 7. WE-KIT-IM |
| 2. WE-WGYM-BF | 5. WE-2FH201-WC | 8. WE-150-TL |
| 3. WE-WGYM-WC | 6. WE-KIT-KF | 9. WE-100-NS |

Example for bottle-filling stations (include a bottle-filling outlet and bubbler outlet)

1. WE-BF1-BF (bottle fill) and
2. WE-BF1-WC (bubbler outlet of unit)
3. WEC-BF1WC-WC (the bubbler outlet of an ADA compliant cooler next to the station).

If you have multiple bottle-filling units in the building halls, the middle part of the code can designate the unit number, starting with the unit closest to the water point of entry into the building. Exact location will be recorded on the inventory list and may also be located on a floor plan/map.

1. WE-BF1-BF and WE-BF1-WC
2. WE-BF2-BF and WE-BF2-WC
3. WE-BF3-BF and WE-BF3-WC
4. WE-BF4-BF and WE-BF4-WC and WE-BF4WC-WC (for the ADA water cooler next to the bottle-filling unit).



Forms (retain until updated or 5-year revision – submit only if requested by EGLE)

Separate inventory sheets can be found at Michigan.gov/SchoolWater.

A. Consumptive Fixture Inventory:

The CDWAA requires every consumptive fixture in a building to be identified and location recorded. The category of each consumptive fixture should be specified as a filtered bottle-filling station or filtered faucet. “Number” is the order of sampling starting at the fixture closest to the water POE into the building. List here, include additional pages if needed, update as needed and keep a copy for your records.

Table 2: Filtered Fixture Inventory

Program/School Year: 2024/25

Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>Preschool room 100</i>	<i>ABC FM-2000B</i>	<i>Filtered faucet</i>
<i>Ex: 2</i>	<i>WE-203H-BF</i>	<i>2nd floor hall by room 203</i>	<i>XYZ FM-2000A</i>	<i>Filtered bottle-filling station</i>
<i>Ex: 3</i>	<i>WE-203-WC</i>	<i>2nd floor hall by room 203</i>	<i>XYC FM-2000A</i>	<i>Filtered bottle-filling station</i>
1	KA-BFS-OUTSIDECAFE	Outside cafeteria	K_SINGLE	Bottle Fill
2	KA-WC-100HALL1	100 hall #1	K_SINGLE	Water Cooler
3	KA-WC-100HALL2	100 hall #2	K_SINGLE	Water Cooler
4	KA-WC-100HALL3	100 hall #3	K_SINGLE	Water Cooler
5	KA-DF-GYM1	Gym #1	SS_CUSPIDOR	Drinking Fountain
6	KA-BFS-GYM2	Gym #2	INWALL_onlywithBF	Bottle Fill
7	KA-BFS-OUTSIDEGYM	Outside gym	K_BILEVEL	Bottle Fill
8	KA-CFB-ROOM205	Room 205	BUBBLER_AND_FAUCET	Classroom Faucet
9	KA-CFB-ROOM206	Room 206	BUBBLER_AND_FAUCET	Classroom Faucet



B. Non-Consumptive Fixture Inventory:

The CDWAA requires every non-consumptive fixture in a building to be identified and recorded. Specify the location where a water outlet will be maintained for purposes other than drinking or addition to food or beverages. “Number” is the order of fixtures starting with the fixture closest to the water POE into the building. Include additional pages if needed, update as needed and keep a copy for your records. Note: Nonconsumptive fixtures in a kitchen are those for hand or dish washing and not water used as an addition to a food for food preparation.

Table 3 : Non-Consumptive Fixture Inventory

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
<i>Ex: 1</i>	<i>Hand sink faucet in classroom 203 (handwashing only sign posted)</i>
1	BATHROOMS (9)
2	ROOM 109 BATHROOM W/SINK
3	ROOM 111 BATHROOM W/SINK
4	ROOM 205 BATHROOM W/SINK
5	ROOM 206 BATHROOM W/SINK
6	ROOM 208 BATHROOM W/SINK
7	ROOM 209 BATHROOM W/SINK
8	ROOM 210 BATHROOM W/SINK
9	ROOM 211 BATHROOM W/SINK
10	ROOM 303 SINK



D. Filter Maintenance Schedule:

The CDWAA requires a filter maintenance schedule. Use this form to track filter maintenance. It is recommended that drinking water filters are to be checked weekly to be sure they are operational, and the green status light is on. Filters/cartridges must be replaced according to manufacturer’s recommendations or if the RED filter status light is showing. Record the date and initials of the person who replaced the filter or cartridge.

Table 5: Filter Maintenance Schedule

Program/School Year: 2024/25

Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
KA-BFS-OUTSIDECAF	LZS8WSSP_singlegle_BFS_w_QFCW										
KA-WC-100HALL1	LZS8WSSP_singlegle_BFS_w_QFCW										
KA-WC-100HALL2	LZS8WSSP_singlegle_BFS_w_QFCW										
KA-WC-100HALL3	LZS8WSSP_singlegle_BFS_w_QFCW										
KA-DF-GYM1	LZWSEDFPBM114K_BFS										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
KA-BFS-GYM2	LZWESEDFPBM 114K_BFS										
KA-BFS-OUTSIDEGYM	EZFMTLK_bileve eL_ezH2O_side eaccess_kit										
KA-CFB-ROOM205	New_Elkay_bubbler_and_EF 3000VRBMC										
KA-CFB-ROOM206	New_Elkay_bubbler_and_EF 3000VRBMC										
KA-CFB-ROOM207	New_Elkay_bubbler_and_EF 3000VRBMC										
KA-CFB-ROOM208	New_Elkay_bubbler_and_EF 3000VRBMC										
KA-CFB-ROOM209	New_Elkay_bubbler_and_EF 3000VRBMC										



E. Sampling Schedule:

Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet is required by the CDWAA. Proper sampling procedures must be followed. Sampling instructions can be found in the Appendix. Provide all results to EGLE, parents and guardians, staff, and the public upon request.

Results that are greater than 5 ppb (0.005 mg/L or 5 ug/L) SHALL be submitted to EGLE within 30 days of facility receipt of the results to the EGLE School and Child Care Water email EGLE-DWEHD-FilterFirst@michigan.gov and reported to families. Repeat results that are 1-5 ppb (0.001-0.005 mg/L or 1-5 ug/L) SHALL also be submitted to EGLE along with the make/model of filter and/or filter bottle-filling station. Check the result box for the unit reported by the laboratory.

Table 6: Annual Sampling Schedule

Program/School Year: 2024/25

Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>3/1/23</i>	<i>0</i>		
<i>Ex: 2</i>	<i>WE-101 CF</i>	<i>3/1/23</i>	<i>3</i>	<i>4/1/23</i>	<i>0</i>
1	KA-BFS-OUTSIDECAFE				
2	KA-WC-100HALL1				
3	KA-WC-100HALL2				
4	KA-WC-100HALL3				
5	KA-DF-GYM1				
6	KA-BFS-GYM2				
7	KA-BFS-OUTSIDEGYM				



Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
8	KA-CFB-ROOM205				
9	KA-CFB-ROOM206				
10	KA-CFB-ROOM207				
11	KA-CFB-ROOM208				
12	KA-CFB-ROOM209				
13	KA-CFB-ROOM210				
14	KA-CFB-ROOM211				



Appendix A: Summary of the Clean Drinking Water Access Act (2023 PA 154)

These are the main regulatory elements of the CDWAA. You can read the Act in its entirety at Michigan.gov/FilterFirst.

1. Drinking Water Management Plan (DWMP)

- A. Within 15 months after the effective date of this act (by January 24, 2025), each school shall develop a drinking water management plan. The DWMP shall:
 - i. Be available upon request to EGLE, staff, parents/guardians, and public.
 - ii. Be reviewed and updated as needed, at least once every 5 years.
 - iii. Specify location of all water outlets used for human consumption.
 1. Specify location of filtered bottle-filling station (1/100 occupants)
 2. Specify location of filtered faucets.
 - iv. Specify location of all water outlets not used for consumption.
 - v. Specify location of water outlets that are shut off or rendered permanently inoperable.
 - vi. Develop a schedule for the regular replacement of the filter/filter cartridges for each filtered bottle-filling station and filtered faucet.
 - vii. Develop a schedule for sampling and testing of the filtered bottle-filling stations and filtered faucets for lead.

2. Testing for Lead

- A. Every filtered water outlet shall be sampled (through the filter) for lead once a year starting from the date filters have been installed and tested at a laboratory certified to analyze for lead.
- B. Laboratory test results shall be available upon request and recommend retaining by the school/district for at least 10 years.
- C. The following actions are to be taken upon review of the annual test results:
 - i. Test results not detecting lead (0 mg/L or 0 ug/L):
 1. Record and file the results.
 2. Share upon request.
 - ii. Test results detecting lead 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 1. Immediately check status of filter(s).
 2. Replace filter/cartridge if status light is yellow or red.



3. Ensure the filter is properly installed.
4. Resample and retest.
5. If re-test result is 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 - a. Send copy of result and the make/model of filter to EGLE.
 - b. Consult with EGLE or filter manufacturer.
- iii. Test results detecting more than 5 ppb (>0.005 mg/L or 5 ug/L):
 1. Immediately shut off or render the water outlet inoperable.
 2. Post a conspicuous sign near the outlet stating it is inoperable because of high lead concentration. Maintain the sign until actions have been taken to reduce the risk.
 3. Replace the filter/cartridge.
 4. Resample and retest the filtered water.
 5. Return the outlet to service if re-test result is not more than 5 ppb of lead.
 - a. If result is 1-5 ppb, follow 2cii above.
 - b. If result is >5 ppb, complete all the following:
 - i. Within 30 days after receiving the test results:
 - 1) Send a copy of test result(s) to EGLE.
 - 2) Send a notice to staff and parents/guardians that includes the amount of lead found in the water and information provided by EGLE on the health effects of lead exposure and ways to reduce childhood lead exposure.
 - ii. Develop a remediation plan in consultation with EGLE. The drinking water management plan must be updated to incorporate the remediation plan.

3. By the end of the 2025-2026 School Year, each school shall:

- A. Have filters on all consumptive fixtures.
- B. Install all filtered bottle-filling stations (1 station per 100 occupants).
- C. Shut off or render permanently inoperable any water outlet providing water for human consumption that is not a filtered bottle-filling station or filtered faucet.
- D. Not install a drinking fountain unless it is a filtered bottle-filling station with a filter status light.
- E. Submit annually a certification of compliance to EGLE that certifies that the school has complied with the requirements of this act (on a form and in a manner prescribed by EGLE).



Appendix B: Water Sampling Guidance & Instructions

1. The CDWAA requires routine sampling at all filtered fixtures every year. Sampling begins as soon as filters are installed to check the functionality of the device and annually thereafter. To ensure sample results represent typical daily use during the school year, do not collect the routine annual sample immediately after replacing the filter cartridge.
2. Develop a unique [Fixture Identification Code](#) for each consumptive fixture per instructions on pages 7-8 above.
3. Obtain 250 ml wide-mouth sample bottles from the laboratory that will be testing the sample(s).
4. Prevent water use in the building for at least 8 hours prior to sample collection.
 - a. Notify all school staff and building users (external groups)
 - b. Post signs or bag fixtures, lock building, lock rooms.
 - c. Do not allow water use during sample collection. That includes flushing toilets, handwashing, and cleaning.
 - d. Do not collect samples or send them to the laboratory if water has been used.
5. Collect the **first draw** of filtered water in a 250 mL sample bottle.
 - a. Do not let the water run before collection.
 - b. Record information and complete all necessary forms:
 - i. Laboratory chain-of-custody form
 - ii. Drinking Water Management Plan (Table 6: Annual Sampling Schedule)
 - c. Each filtered fixture may be sampled on the same day.
6. Samples must be delivered to a drinking water laboratory certified for lead and copper testing for the approved EPA method. A list of certified labs can be found at: [Lead-Copper-Certifications.pdf \(michigan.gov\)](#).
 - a. Get the samples to the laboratory as soon as possible. May be mailed or hand delivered.
 - b. Samples must be received by the laboratory within 14 days of sample collection.

Some labs report the test results in milligrams per liter (mg/L) and some in micrograms per liter (ug/L). Make sure to check the appropriate unit of measure reported by the lab in Table 6 (Annual Sampling Schedule).

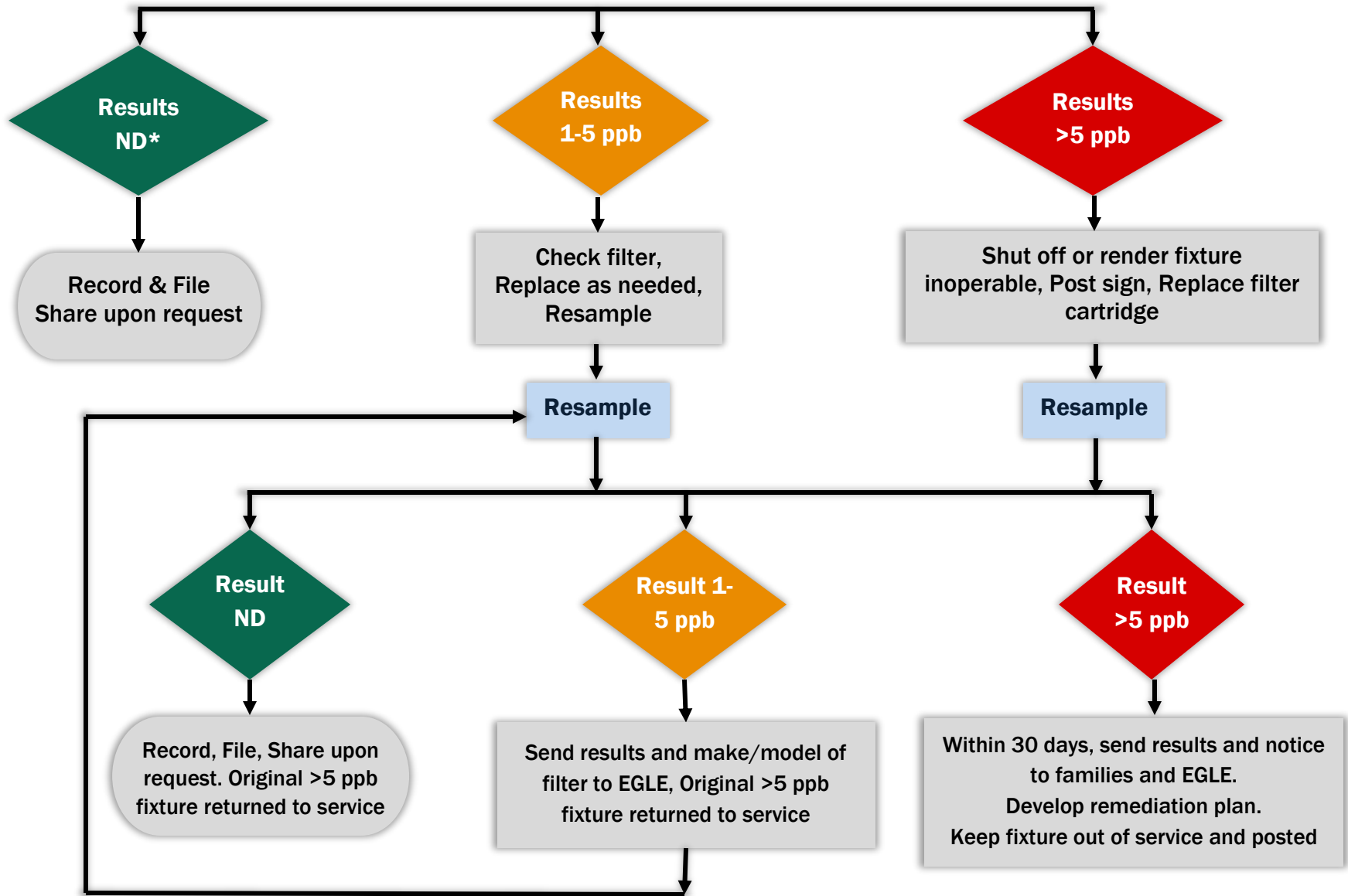


Immediate action is required by law if the test result is greater than 5 ug/L (5 ppb) or 0.005 mg/L (0.005 ppm). **Note:** 5 ug/L is the same as 5 parts per billion (5 ppb).

Results greater than 5 ppb or 0.005 ppm SHALL be submitted EGLE **within 30 days** of facility receipt of the results and notice provided to families, staff, and students.



Annual Sampling and Testing Result Actions



*ND = Not Detected



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Joseph Smith

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586-445-5697

Responsible Staff Phone Number

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Director of Buildings and Grounds

Responsible Staff Title

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 - b. Location of filtered faucet (kitchens, nurse stations, preschool classrooms, teacher lounges).
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General Information

Key Terms:

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Consumption Water: Water used for drinking, component of food or beverage, or brushing teeth, rinsing food, and making baby formula.

Department: The Department of Environment, Great Lakes, and Energy (EGLE)

Drinking Fountain: An un-chilled plumbing fixture that is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.

Filtered Bottle-filling Station (also known as Hydration Station): An apparatus that is connected to building plumbing, filters water, is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal, has a light or other device to indicate filter cartridge performance, is designed to fill drinking bottles or other containers used for personal water consumption, and has a bubbler fixture that allows the user to drink directly from a stream of flowing water without the use of any accessory.

Filtered Faucet: A faucet that includes at the point of use a filter that is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal.

First Draw: The first 250 mL sample of water from a fixture after at least an 8-hour stagnation period.

Fund: School and child care center clean drinking water fund created in section 11 of PA 0154.

School: Public or nonpublic as defined in section 5 of the revised school code, 1976 PA 451, MCL 380.5.

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Acronyms:

- CDWAA**..... Clean Drinking Water Act
- DWMP**.....Drinking Water Management Plan
- EGLE** Michigan Department of Environment, Great Lakes, and Energy
- mg/L**..... Milligrams per liter (lab sample measure, same as one part per million)
- NSF/ANSI 42** National standard for particulate removal
- NSF/ANSI 53** National standard for lead reduction (must specify for lead)
- PN**..... Public Test Result Notification
- POE**..... Point of Entry (location the water enters the building)
- POU**..... Point of Use (the end of a faucet)
- ppb**..... Parts per billion (one part per billion of volume of a water sample)
- ppm**..... Parts per million (one part per million of volume of a water sample)
- PWSID** Public Water System ID (how a water supply is identified)
- µg/L**..... Micrograms per liter (lab sample measure, same as one ppb)

Maintenance Categories:

Preventive Maintenance: Planned and carried out on a regular basis to maintain and keep infrastructure in good condition.

Corrective Maintenance: Replacing or repairing something done incorrectly or needing change for improvement.

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List the names of school staff or third-party contractors who play a role or have responsibilities for following and executing the DWMP. May include contacts for filter and bottle fill station manufacturers/distributors.

Person's Name	Title or Company	Phone Number	Email Address	Role or Responsibility
Joe Smith	Director	586-445-5697	JSmith@roseville.k12.mi.us	Execution of the DWMP
Scott Sikorski	Coordinator	586-445-5699	SSikorski@roseville.k12.mi.us	Execution of the DWMP

Comments:



Fixture Identification Code Development Guidelines:

It is important to follow these guidelines to generate a unique fixture identification code (Fixture ID) for each fixture used for consumption to support: quick identification, fixture maintenance, sampling, matching test results to the sample, and reporting to EGLE when necessary (Note: adhering to this coding system now will save time in the future when reporting to EGLE’s on-line electronic data collection system, will promote consistency, and reduce sample confusion).

The following table lists the fixture type codes that are used for compliance sampling and reporting purposes to EGLE.

Table 1: Fixture Type Codes

Code	Fixture Type
B	Bubbler outlet on the bottle fill unit (hydration station)
BF	Bottle fill outlet
CF	Classroom faucet
DF	Drinking Fountain
IM	Ice machine
KF	Kitchen faucet
KK	Kitchen kettle-fill
NS	Nurses sink faucet
OT	Other faucet used for consumption (in a break room, office, library, etc.)
RF	Restroom faucet (used for consumption)
SC	Service Connection (Tap closest to the service line)
TL	Teachers’ lounge faucet
WC	Water Cooler (plug-in chiller unit/ refrigerated unit)



Generating the fixture identification code:

The Fixture ID should be long enough to identify the building, location, and fixture type, but not too long that the laboratory reporting cuts off some of the code (maximum of 20 for State Laboratory reports). The Fixture ID is created as follows:

1. The Fixture ID code starts with 2-3 letters for the building name.
 - a. Example: West Elementary = WE
 - b. Example: Wilson High School = WHS
2. The middle part of the Fixture ID code is the location.
 - a. Example: Room 110 = 110
 - b. Example: West wall of the Gym = WGym
 - c. Example: East wall of the Gym = EGym
 - d. Example: Second floor hallway by room 201 = 2FH201 or 201HALL
3. The last part of the Fixture ID code is the fixture type found on Table 1 above. Adhering to these codes is needed for reporting consistency and statistical analysis.

If following the EGLE coding system, dashes in between the three sections must be used.

Below are examples of complete Fixture ID codes for some fixtures in one building:

- | | | |
|---------------|-----------------|--------------|
| 1. WE-110-CF | 4. WE-2FH201-BF | 7. WE-KIT-IM |
| 2. WE-WGYM-BF | 5. WE-2FH201-WC | 8. WE-150-TL |
| 3. WE-WGYM-WC | 6. WE-KIT-KF | 9. WE-100-NS |

Example for bottle-filling stations (include a bottle-filling outlet and bubbler outlet)

1. WE-BF1-BF (bottle fill) and
2. WE-BF1-WC (bubbler outlet of unit)
3. WEC-BF1WC-WC (the bubbler outlet of an ADA compliant cooler next to the station).

If you have multiple bottle-filling units in the building halls, the middle part of the code can designate the unit number, starting with the unit closest to the water point of entry into the building. Exact location will be recorded on the inventory list and may also be located on a floor plan/map.

1. WE-BF1-BF and WE-BF1-WC
2. WE-BF2-BF and WE-BF2-WC
3. WE-BF3-BF and WE-BF3-WC
4. WE-BF4-BF and WE-BF4-WC and WE-BF4WC-WC (for the ADA water cooler next to the bottle-filling unit).



Forms (retain until updated or 5-year revision – submit only if requested by EGLE)

Separate inventory sheets can be found at Michigan.gov/SchoolWater.

A. Consumptive Fixture Inventory:

The CDWAA requires every consumptive fixture in a building to be identified and location recorded. The category of each consumptive fixture should be specified as a filtered bottle-filling station or filtered faucet. “Number” is the order of sampling starting at the fixture closest to the water POE into the building. List here, include additional pages if needed, update as needed and keep a copy for your records.

Table 2: Filtered Fixture Inventory

Program/School Year: 2024/25

Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>Preschool room 100</i>	<i>ABC FM-2000B</i>	<i>Filtered faucet</i>
<i>Ex: 2</i>	<i>WE-203H-BF</i>	<i>2nd floor hall by room 203</i>	<i>XYZ FM-2000A</i>	<i>Filtered bottle-filling station</i>
<i>Ex: 3</i>	<i>WE-203-WC</i>	<i>2nd floor hall by room 203</i>	<i>XYC FM-2000A</i>	<i>Filtered bottle-filling station</i>
1	EMS-BFS-MAINHALL1	Main hall #1	OTHER_BILEVEL_BRAND	Water Cooler
2	EMS-BFS-MAINHALL2	Main hall #2	K_BILEVEL	Bottle Fill
3	EMS-BFS-GYMHALL	Gym hall	K_BILEVEL	Bottle Fill
4	EMS-BFS-GYM1	Gym #1	SS_SIDExSIDE_CUSPIDOR	Drinking Fountain
5	EMS-BFS-GYM2	Gym #2	SS_SIDExSIDE_CUSPIDOR	Drinking Fountain
6	EMS-BFS-CAFE	Cafeteria	K_SINGLE	Water Cooler



Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture



B. Non-Consumptive Fixture Inventory:

The CDWAA requires every non-consumptive fixture in a building to be identified and recorded. Specify the location where a water outlet will be maintained for purposes other than drinking or addition to food or beverages. “Number” is the order of fixtures starting with the fixture closest to the water POE into the building. Include additional pages if needed, update as needed and keep a copy for your records. Note: Nonconsumptive fixtures in a kitchen are those for hand or dish washing and not water used as an addition to a food for food preparation.

Table 3 : Non-Consumptive Fixture Inventory

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
1	BATHROOMS (9)
2	KITCHEN – BATHROOM W/SINK (2)
3	ROOM 104 (17)
4	ROOM 106 (4)
5	ROOM 108 (4)
6	ROOM 123 (4)
7	TEACHER LOUNGE - SINK
8	MEDIA CENTER - SINK
9	ROOM 141 (2)
10	GYM – BOYS LOCKER ROOM BATHROOMS (2)
11	GYM – GIRLS LOCKER ROOM BATHROOMS (2)
12	ROOM 120 (2)



C. Inoperable Fixture Inventory:

The CDWAA requires a list of the location(s) where a water outlet is shut off or rendered permanently inoperable.

Table 5: Fixture Not in Use

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
<i>Ex: 1</i>	<i>Bubbler in classroom 123 – water line shut off, will be permanently removed on 6/15/24</i>



D. Filter Maintenance Schedule:

The CDWAA requires a filter maintenance schedule. Use this form to track filter maintenance. It is recommended that drinking water filters are to be checked weekly to be sure they are operational, and the green status light is on. Filters/cartridges must be replaced according to manufacturer’s recommendations or if the RED filter status light is showing. Record the date and initials of the person who replaced the filter or cartridge.

Table 5: Filter Maintenance Schedule

Program/School Year: 2024/25

Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
EMS-BFS-MAINHA LL1	LZSTL8WSSP_bilevel BFS_w_QFCW										
EMS-BFS-MAINHA LL2	EZFMTLK_bilevel_ezH2O_side_access_kit										
EMS-BFS-GYMHA LL	EZFMTLK_bilevel_ezH2O_side_access_kit										
EMS-BFS-GYM1	LZS8WSSP_singlegle_BFS_w_QFCW										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
EMS-BFS-GYM2	LZS8WSSP_single_BFS_w_QFCW										
EMS-BFS-CAFE	LZS8WSSP_single_BFS_w_QFCW										



E. Sampling Schedule:

Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet is required by the CDWAA. Proper sampling procedures must be followed. Sampling instructions can be found in the Appendix. Provide all results to EGLE, parents and guardians, staff, and the public upon request.

Results that are greater than 5 ppb (0.005 mg/L or 5 ug/L) SHALL be submitted to EGLE within 30 days of facility receipt of the results to the EGLE School and Child Care Water email EGLE-DWEHD-FilterFirst@michigan.gov and reported to families. Repeat results that are 1-5 ppb (0.001-0.005 mg/L or 1-5 ug/L) SHALL also be submitted to EGLE along with the make/model of filter and/or filter bottle-filling station. Check the result box for the unit reported by the laboratory.

Table 6: Annual Sampling Schedule

Program/School Year: 2024/25

Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>3/1/23</i>	<i>0</i>		
<i>Ex: 2</i>	<i>WE-101 CF</i>	<i>3/1/23</i>	<i>3</i>	<i>4/1/23</i>	<i>0</i>
1	EMS-BFS-MAINHALL1				
2	EMS-BFS-MAINHALL2				
3	EMS-BFS-GYMHALL				
4	EMS-BFS-GYM1				
5	EMS-BFS-GYM2				
6	EMS-BFS-CAFE				



Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L



Appendix A: Summary of the Clean Drinking Water Access Act (2023 PA 154)

These are the main regulatory elements of the CDWAA. You can read the Act in its entirety at Michigan.gov/FilterFirst.

1. Drinking Water Management Plan (DWMP)

- A. Within 15 months after the effective date of this act (by January 24, 2025), each school shall develop a drinking water management plan. The DWMP shall:
 - i. Be available upon request to EGLE, staff, parents/guardians, and public.
 - ii. Be reviewed and updated as needed, at least once every 5 years.
 - iii. Specify location of all water outlets used for human consumption.
 1. Specify location of filtered bottle-filling station (1/100 occupants)
 2. Specify location of filtered faucets.
 - iv. Specify location of all water outlets not used for consumption.
 - v. Specify location of water outlets that are shut off or rendered permanently inoperable.
 - vi. Develop a schedule for the regular replacement of the filter/filter cartridges for each filtered bottle-filling station and filtered faucet.
 - vii. Develop a schedule for sampling and testing of the filtered bottle-filling stations and filtered faucets for lead.

2. Testing for Lead

- A. Every filtered water outlet shall be sampled (through the filter) for lead once a year starting from the date filters have been installed and tested at a laboratory certified to analyze for lead.
- B. Laboratory test results shall be available upon request and recommend retaining by the school/district for at least 10 years.
- C. The following actions are to be taken upon review of the annual test results:
 - i. Test results not detecting lead (0 mg/L or 0 ug/L):
 1. Record and file the results.
 2. Share upon request.
 - ii. Test results detecting lead 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 1. Immediately check status of filter(s).
 2. Replace filter/cartridge if status light is yellow or red.



3. Ensure the filter is properly installed.
4. Resample and retest.
5. If re-test result is 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 - a. Send copy of result and the make/model of filter to EGLE.
 - b. Consult with EGLE or filter manufacturer.
- iii. Test results detecting more than 5 ppb (>0.005 mg/L or 5 ug/L):
 1. Immediately shut off or render the water outlet inoperable.
 2. Post a conspicuous sign near the outlet stating it is inoperable because of high lead concentration. Maintain the sign until actions have been taken to reduce the risk.
 3. Replace the filter/cartridge.
 4. Resample and retest the filtered water.
 5. Return the outlet to service if re-test result is not more than 5 ppb of lead.
 - a. If result is 1-5 ppb, follow 2cii above.
 - b. If result is >5 ppb, complete all the following:
 - i. Within 30 days after receiving the test results:
 - 1) Send a copy of test result(s) to EGLE.
 - 2) Send a notice to staff and parents/guardians that includes the amount of lead found in the water and information provided by EGLE on the health effects of lead exposure and ways to reduce childhood lead exposure.
 - ii. Develop a remediation plan in consultation with EGLE. The drinking water management plan must be updated to incorporate the remediation plan.

3. By the end of the 2025-2026 School Year, each school shall:

- A. Have filters on all consumptive fixtures.
- B. Install all filtered bottle-filling stations (1 station per 100 occupants).
- C. Shut off or render permanently inoperable any water outlet providing water for human consumption that is not a filtered bottle-filling station or filtered faucet.
- D. Not install a drinking fountain unless it is a filtered bottle-filling station with a filter status light.
- E. Submit annually a certification of compliance to EGLE that certifies that the school has complied with the requirements of this act (on a form and in a manner prescribed by EGLE).



Appendix B: Water Sampling Guidance & Instructions

1. The CDWAA requires routine sampling at all filtered fixtures every year. Sampling begins as soon as filters are installed to check the functionality of the device and annually thereafter. To ensure sample results represent typical daily use during the school year, do not collect the routine annual sample immediately after replacing the filter cartridge.
2. Develop a unique [Fixture Identification Code](#) for each consumptive fixture per instructions on pages 7-8 above.
3. Obtain 250 ml wide-mouth sample bottles from the laboratory that will be testing the sample(s).
4. Prevent water use in the building for at least 8 hours prior to sample collection.
 - a. Notify all school staff and building users (external groups)
 - b. Post signs or bag fixtures, lock building, lock rooms.
 - c. Do not allow water use during sample collection. That includes flushing toilets, handwashing, and cleaning.
 - d. Do not collect samples or send them to the laboratory if water has been used.
5. Collect the **first draw** of filtered water in a 250 mL sample bottle.
 - a. Do not let the water run before collection.
 - b. Record information and complete all necessary forms:
 - i. Laboratory chain-of-custody form
 - ii. Drinking Water Management Plan (Table 6: Annual Sampling Schedule)
 - c. Each filtered fixture may be sampled on the same day.
6. Samples must be delivered to a drinking water laboratory certified for lead and copper testing for the approved EPA method. A list of certified labs can be found at: [Lead-Copper-Certifications.pdf \(michigan.gov\)](#).
 - a. Get the samples to the laboratory as soon as possible. May be mailed or hand delivered.
 - b. Samples must be received by the laboratory within 14 days of sample collection.

Some labs report the test results in milligrams per liter (mg/L) and some in micrograms per liter (ug/L). Make sure to check the appropriate unit of measure reported by the lab in Table 6 (Annual Sampling Schedule).

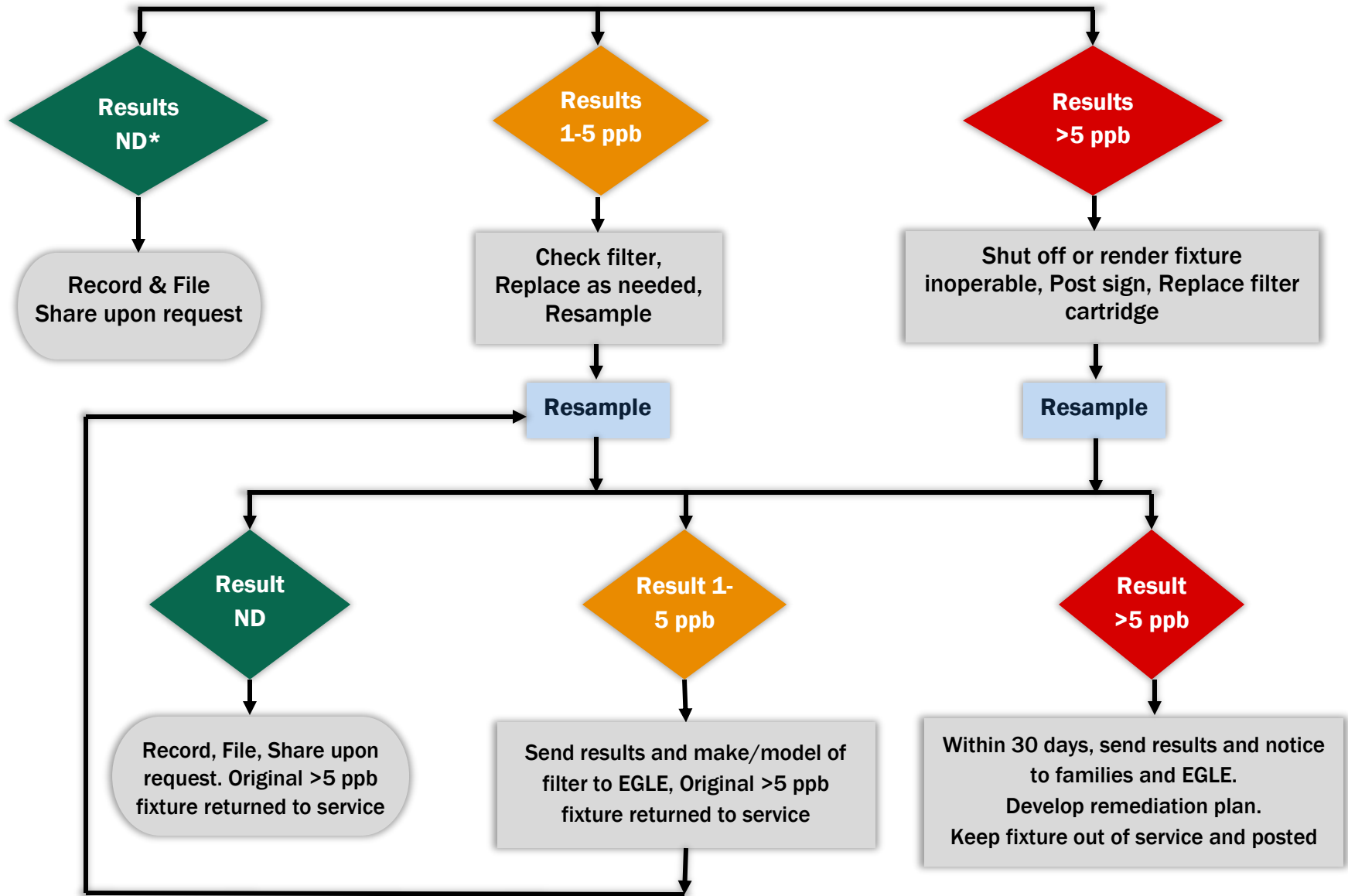


Immediate action is required by law if the test result is greater than 5 ug/L (5 ppb) or 0.005 mg/L (0.005 ppm). **Note:** 5 ug/L is the same as 5 parts per billion (5 ppb).

Results greater than 5 ppb or 0.005 ppm SHALL be submitted EGLE **within 30 days** of facility receipt of the results and notice provided to families, staff, and students.



Annual Sampling and Testing Result Actions



*ND = Not Detected



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY



Clean Drinking Water Access Act

Drinking Water Management Plan for Schools

Dort Elementary School

School Building Name

937

School Building Code

Roseville Community Schools

School District

Child Care License Number (if one exists within the school building)

Joseph Smith

Responsible Staff Name

Director of Buildings and Grounds

Responsible Staff Title

586-445-5697

Responsible Staff Phone Number

JSmith@Roseville.k12.mi.us

Responsible Staff Email Address

2024/25

School Year Plan Date

January 24, 2025

Update Plan Due-By Date

August

Annual Sampling Month

MI0005820

Public Water System ID (PWSID)*

*A PWSID is how a water supply is identified. A list of PWSIDs is available at Michigan.gov/FilterFirst.



The Michigan Department of Environment, Great Lakes, and Energy (EGLE) has created the Drinking Water Management Plan (DWMP) as a tool to maintain healthy and safe drinking water in the building throughout the year. This document is a template that may be used for the DWMP per the requirements of the Clean Drinking Water Access Act (CDWAA), 2023 PA 154. Schools may use this document or create their own plan, provided it includes all the required elements listed below. Individual forms for each required element may be found at Michigan.gov/FilterFirst.

Retain and utilize the DWMP. The first DWMP must be developed by January 24, 2025, and updated at a minimum of every 5 years per the CDWAA. Upon request, the DWMP shall be made available to EGLE, staff, parents and guardians, and the public.

The DWMP must include the following required elements:

1. The location of each consumptive water outlet (drinking, as a component of a food or beverage, rinsing foods, brushing teeth, making baby formula):
 - a. Location of filtered bottle-filling station (1/100 occupants of the building).
 - b. Location of filtered faucet (kitchens, nurse stations, preschool classrooms, teacher lounges).
2. The location where a water outlet will be maintained for purposes other than described above (nonconsumptive fixtures).
3. The location where a water outlet will be shut off or rendered permanently inoperable.
4. A schedule for when each of the following will occur:
 - a. Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet.
 - b. Regular replacement of the filter cartridge for each filtered bottle-filling station and filtered faucet in compliance with the manufacturer’s instructions or recommendations of EGLE.

Each school shall submit the CDWAA Certification Form that certifies the school has complied with the requirements of the CDWAA to EGLE on an annual basis by August 15. The certification form can be found at Michigan.gov/FilterFirst. All current required documents must be retained by the facility and submitted to EGLE if requested.



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To request this material in an alternate format, contact EGLE-Accessibility@Michigan.gov or 800-662-9278.



General Information

Key Terms:

Bubbler Fixture: A fixture on a drinking water fountain/water cooler through which water is forced up in a small arc from a nozzle that allows an individual to drink from the arc directly.

Consumption Water: Water used for drinking, component of food or beverage, or brushing teeth, rinsing food, and making baby formula.

Department: The Department of Environment, Great Lakes, and Energy (EGLE)

Drinking Fountain: An un-chilled plumbing fixture that is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.

Filtered Bottle-filling Station (also known as Hydration Station): An apparatus that is connected to building plumbing, filters water, is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal, has a light or other device to indicate filter cartridge performance, is designed to fill drinking bottles or other containers used for personal water consumption, and has a bubbler fixture that allows the user to drink directly from a stream of flowing water without the use of any accessory.

Filtered Faucet: A faucet that includes at the point of use a filter that is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal.

First Draw: The first 250 mL sample of water from a fixture after at least an 8-hour stagnation period.

Fund: School and child care center clean drinking water fund created in section 11 of PA 0154.

School: Public or nonpublic as defined in section 5 of the revised school code, 1976 PA 451, MCL 380.5.

Water Cooler: a plumbing fixture that chills the water and is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.



Acronyms:

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- DWMP**.....Drinking Water Management Plan
- EGLE** Michigan Department of Environment, Great Lakes, and Energy
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- POE**..... Point of Entry (location the water enters the building)
- POU**..... Point of Use (the end of a faucet)
- ppb**..... Parts per billion (one part per billion of volume of a water sample)
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- PWSID** Public Water System ID (how a water supply is identified)
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Comments:



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The following table lists the fixture type codes that are used for compliance sampling and reporting purposes to EGLE.

Table 1: Fixture Type Codes

Code	Fixture Type
<i>B</i>	Bubbler outlet on the bottle fill unit (hydration station)
<i>BF</i>	Bottle fill outlet
<i>CF</i>	Classroom faucet
<i>DF</i>	Drinking Fountain
<i>IM</i>	Ice machine
<i>KF</i>	Kitchen faucet
<i>KK</i>	Kitchen kettle-fill
<i>NS</i>	Nurses sink faucet
<i>OT</i>	Other faucet used for consumption (in a break room, office, library, etc.)
<i>RF</i>	Restroom faucet (used for consumption)
<i>SC</i>	Service Connection (Tap closest to the service line)
<i>TL</i>	Teachers’ lounge faucet
<i>WC</i>	Water Cooler (plug-in chiller unit/ refrigerated unit)



Generating the fixture identification code:

The Fixture ID should be long enough to identify the building, location, and fixture type, but not too long that the laboratory reporting cuts off some of the code (maximum of 20 for State Laboratory reports). The Fixture ID is created as follows:

1. The Fixture ID code starts with 2-3 letters for the building name.
 - a. Example: West Elementary = WE
 - b. Example: Wilson High School = WHS
2. The middle part of the Fixture ID code is the location.
 - a. Example: Room 110 = 110
 - b. Example: West wall of the Gym = WGym
 - c. Example: East wall of the Gym = EGym
 - d. Example: Second floor hallway by room 201 = 2FH201 or 201HALL
3. The last part of the Fixture ID code is the fixture type found on Table 1 above. Adhering to these codes is needed for reporting consistency and statistical analysis.

If following the EGLE coding system, dashes in between the three sections must be used.

Below are examples of complete Fixture ID codes for some fixtures in one building:

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|---------------|-----------------|--------------|
| 1. WE-110-CF | 4. WE-2FH201-BF | 7. WE-KIT-IM |
| 2. WE-WGYM-BF | 5. WE-2FH201-WC | 8. WE-150-TL |
| 3. WE-WGYM-WC | 6. WE-KIT-KF | 9. WE-100-NS |

Example for bottle-filling stations (include a bottle-filling outlet and bubbler outlet)

1. WE-BF1-BF (bottle fill) and
2. WE-BF1-WC (bubbler outlet of unit)
3. WEC-BF1WC-WC (the bubbler outlet of an ADA compliant cooler next to the station).

If you have multiple bottle-filling units in the building halls, the middle part of the code can designate the unit number, starting with the unit closest to the water point of entry into the building. Exact location will be recorded on the inventory list and may also be located on a floor plan/map.

1. WE-BF1-BF and WE-BF1-WC
2. WE-BF2-BF and WE-BF2-WC
3. WE-BF3-BF and WE-BF3-WC
4. WE-BF4-BF and WE-BF4-WC and WE-BF4WC-WC (for the ADA water cooler next to the bottle-filling unit).



Forms (retain until updated or 5-year revision – submit only if requested by EGLE)

Separate inventory sheets can be found at Michigan.gov/SchoolWater.

A. Consumptive Fixture Inventory:

The CDWAA requires every consumptive fixture in a building to be identified and location recorded. The category of each consumptive fixture should be specified as a filtered bottle-filling station or filtered faucet. “Number” is the order of sampling starting at the fixture closest to the water POE into the building. List here, include additional pages if needed, update as needed and keep a copy for your records.

Table 2: Filtered Fixture Inventory

Program/School Year: 2024/25

Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
1	DOR-BF-CAFE	Outside cafeteria	K_SINGLE	Bottle Fill
2	DOR-WC-KINDHALL	Kindergarten hall	VR_SINGLE	Water Cooler
3	DOR-CFB-200	Room 200	BUBBLER_AND_FAUCET	Classroom Faucet w/bubbler
4	DOR-WC-LIBRARY	Library	VR_SINGLE	Water Cooler
5	DOR-WC-CUSTROOM	Custodial room	VR_SINGLE	Water Cooler
6	DOR-BF-GYM	Outside gym	K_BILEVEL	Bottle Fill
7	DOR-CFB-102	Room 102	BUBBLER_AND_FAUCET	Classroom Faucet w/bubbler
8	DOR-CFB-103	Room 103	BUBBLER_AND_FAUCET	Classroom Faucet w/bubbler
9	DOR-CFB-104	Room 104	BUBBLER_AND_FAUCET	Classroom Faucet w/bubbler
10	DOR-CFB-401	Room 401	BUBBLER_AND_FAUCET	Classroom Faucet w/bubbler
11	DOR-CFB-402	Room 402	BUBBLER_AND_FAUCET	Classroom Faucet w/bubbler



Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
12	DOR-CFB-403	Room 403	BUBBLER_AND_FAUCET	Classroom Faucet w/bubbler
13	DOR-CFB-404	Room 404	BUBBLER_AND_FAUCET	Classroom Faucet w/bubbler
14	DOR-CFB-405	Room 405	BUBBLER_AND_FAUCET	Classroom Faucet w/bubbler
15	DOR-CFB-406	Room 406	BUBBLER_AND_FAUCET	Classroom Faucet w/bubbler
16	DOR-CFB-101	Room 101	BUBBLER_AND_FAUCET	Classroom Faucet w/bubbler
17	DOR-WC-500HALL	500 Hallway	K_BILEVEL	Bottle Fill



B. Non-Consumptive Fixture Inventory:

The CDWAA requires every non-consumptive fixture in a building to be identified and recorded. Specify the location where a water outlet will be maintained for purposes other than drinking or addition to food or beverages. “Number” is the order of fixtures starting with the fixture closest to the water POE into the building. Include additional pages if needed, update as needed and keep a copy for your records. Note: Nonconsumptive fixtures in a kitchen are those for hand or dish washing and not water used as an addition to a food for food preparation.

Table 3 : Non-Consumptive Fixture Inventory

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
<i>Ex: 1</i>	<i>Hand sink faucet in classroom 203 (handwashing only sign posted)</i>
1	Room 101 Bathroom with Sink
2	Room 102 Bathroom with Sink
3	Room 103 Bathroom with Sink
4	Room 104 Bathroom with Sink
5	11 Restrooms with sinks
6	Kitchen - Sink
7	Art Room - Sink
8	Room 406 Bathroom with Sink
9	Room 405 Bathroom with Sink
10	Room 404 Bathroom with Sink
11	Room 403 Bathroom with Sink



Number	Fixture Location (room # or description)
12	Room 402 Bathroom with Sink
13	Room 401 Bathroom with Sink



C. Inoperable Fixture Inventory:

The CDWAA requires a list of the location(s) where a water outlet is shut off or rendered permanently inoperable.

Table 5: Fixture Not in Use

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
<i>Ex: 1</i>	<i>Bubbler in classroom 123 – water line shut off, will be permanently removed on 6/15/24</i>



D. Filter Maintenance Schedule:

The CDWAA requires a filter maintenance schedule. Use this form to track filter maintenance. It is recommended that drinking water filters are to be checked weekly to be sure they are operational, and the green status light is on. Filters/cartridges must be replaced according to manufacturer’s recommendations or if the RED filter status light is showing. Record the date and initials of the person who replaced the filter or cartridge.

Table 5: Filter Maintenance Schedule

Program/School Year: 2024/25

Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
DOR-BF-CAFE	K_SINGL E										
DOR-WC-KINDHALL	VR_SINGL E										
DOR-CFB-200	BUBBLER _AND_FA UCET										
DOR-WC-LIBRARY	VR_SINGL E										
DOR-WC-CUSTROOM	VR_SINGL E										
DOR-BF-GYM	K_BILEVE L										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
DOR-CFB-102	BUBBLER _AND_FA UCET										
DOR-CFB-103	BUBBLER _AND_FA UCET										
DOR-CFB-104	BUBBLER _AND_FA UCET										
DOR-CFB-401	BUBBLER _AND_FA UCET										
DOR-CFB-402	BUBBLER _AND_FA UCET										
DOR-CFB-403	BUBBLER _AND_FA UCET										
DOR-CFB-404	BUBBLER _AND_FA UCET										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
DOR-CFB-405	BUBBLER _AND_FA UCET										
DOR-CFB-406	BUBBLER _AND_FA UCET										
DOR-CFB-101	BUBBLER _AND_FA UCET										
DOR-WC-500HALL	BUBBLER _AND_FA UCET										



E. Sampling Schedule:

Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet is required by the CDWAA. Proper sampling procedures must be followed. Sampling instructions can be found in the Appendix. Provide all results to EGLE, parents and guardians, staff, and the public upon request.

Results that are greater than 5 ppb (0.005 mg/L or 5 ug/L) SHALL be submitted to EGLE within 30 days of facility receipt of the results to the EGLE School and Child Care Water email EGLE-DWEHD-FilterFirst@michigan.gov and reported to families. Repeat results that are 1-5 ppb (0.001-0.005 mg/L or 1-5 ug/L) SHALL also be submitted to EGLE along with the make/model of filter and/or filter bottle-filling station. Check the result box for the unit reported by the laboratory.

Table 6: Annual Sampling Schedule

Program/School Year: 2024/25

Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>3/1/23</i>	<i>0</i>		
<i>Ex: 2</i>	<i>WE-101 CF</i>	<i>3/1/23</i>	<i>3</i>	<i>4/1/23</i>	<i>0</i>
1	DOR-BF-CAFE				
2	DOR-WC-KINDHALL				
3	DOR-CFB-200				
4	DOR-WC-LIBRARY				
5	DOR-WC-CUSTROOM				
6	DOR-BF-GYM				
7	DOR-BF-CAFE				



Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
8	DOR-CFB-102				
9	DOR-CFB-103				
10	DOR-CFB-104				
11	DOR-CFB-401				
12	DOR-CFB-402				
13	DOR-CFB-403				
14	DOR-CFB-404				
15	DOR-CFB-102				
16	DOR-CFB-103				
17	DOR-CFB-104				
18	DOR-CFB-401				
19	DOR-CFB-402				
20	DOR-CFB-403				
21	DOR-CFB-404				
22	DOR-CFB-102				
23	DOR-CFB-103				
24	DOR-CFB-104				



Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
25	DOR-CFB-405				
26	DOR-CFB-406				
27	DOR-CFB-101				
28	DOR-WC-500HALL				



Appendix A: Summary of the Clean Drinking Water Access Act (2023 PA 154)

These are the main regulatory elements of the CDWAA. You can read the Act in its entirety at Michigan.gov/FilterFirst.

1. Drinking Water Management Plan (DWMP)

- A. Within 15 months after the effective date of this act (by January 24, 2025), each school shall develop a drinking water management plan. The DWMP shall:
 - i. Be available upon request to EGLE, staff, parents/guardians, and public.
 - ii. Be reviewed and updated as needed, at least once every 5 years.
 - iii. Specify location of all water outlets used for human consumption.
 - 1. Specify location of filtered bottle-filling station (1/100 occupants)
 - 2. Specify location of filtered faucets.
 - iv. Specify location of all water outlets not used for consumption.
 - v. Specify location of water outlets that are shut off or rendered permanently inoperable.
 - vi. Develop a schedule for the regular replacement of the filter/filter cartridges for each filtered bottle-filling station and filtered faucet.
 - vii. Develop a schedule for sampling and testing of the filtered bottle-filling stations and filtered faucets for lead.

2. Testing for Lead

- A. Every filtered water outlet shall be sampled (through the filter) for lead once a year starting from the date filters have been installed and tested at a laboratory certified to analyze for lead.
- B. Laboratory test results shall be available upon request and recommend retaining by the school/district for at least 10 years.
- C. The following actions are to be taken upon review of the annual test results:
 - i. Test results not detecting lead (0 mg/L or 0 ug/L):
 - 1. Record and file the results.
 - 2. Share upon request.
 - ii. Test results detecting lead 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 - 1. Immediately check status of filter(s).
 - 2. Replace filter/cartridge if status light is yellow or red.



3. Ensure the filter is properly installed.
 4. Resample and retest.
 5. If re-test result is 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 - a. Send copy of result and the make/model of filter to EGLE.
 - b. Consult with EGLE or filter manufacturer.
- iii. Test results detecting more than 5 ppb (>0.005 mg/L or 5 ug/L):
1. Immediately shut off or render the water outlet inoperable.
 2. Post a conspicuous sign near the outlet stating it is inoperable because of high lead concentration. Maintain the sign until actions have been taken to reduce the risk.
 3. Replace the filter/cartridge.
 4. Resample and retest the filtered water.
 5. Return the outlet to service if re-test result is not more than 5 ppb of lead.
 - a. If result is 1-5 ppb, follow 2cii above.
 - b. If result is >5 ppb, complete all the following:
 - i. Within 30 days after receiving the test results:
 - 1) Send a copy of test result(s) to EGLE.
 - 2) Send a notice to staff and parents/guardians that includes the amount of lead found in the water and information provided by EGLE on the health effects of lead exposure and ways to reduce childhood lead exposure.
 - ii. Develop a remediation plan in consultation with EGLE. The drinking water management plan must be updated to incorporate the remediation plan.

3. By the end of the 2025-2026 School Year, each school shall:

- A. Have filters on all consumptive fixtures.
- B. Install all filtered bottle-filling stations (1 station per 100 occupants).
- C. Shut off or render permanently inoperable any water outlet providing water for human consumption that is not a filtered bottle-filling station or filtered faucet.
- D. Not install a drinking fountain unless it is a filtered bottle-filling station with a filter status light.
- E. Submit annually a certification of compliance to EGLE that certifies that the school has complied with the requirements of this act (on a form and in a manner prescribed by EGLE).



Appendix B: Water Sampling Guidance & Instructions

1. The CDWAA requires routine sampling at all filtered fixtures every year. Sampling begins as soon as filters are installed to check the functionality of the device and annually thereafter. To ensure sample results represent typical daily use during the school year, do not collect the routine annual sample immediately after replacing the filter cartridge.
2. Develop a unique [Fixture Identification Code](#) for each consumptive fixture per instructions on pages 7-8 above.
3. Obtain 250 ml wide-mouth sample bottles from the laboratory that will be testing the sample(s).
4. Prevent water use in the building for at least 8 hours prior to sample collection.
 - a. Notify all school staff and building users (external groups)
 - b. Post signs or bag fixtures, lock building, lock rooms.
 - c. Do not allow water use during sample collection. That includes flushing toilets, handwashing, and cleaning.
 - d. Do not collect samples or send them to the laboratory if water has been used.
5. Collect the **first draw** of filtered water in a 250 mL sample bottle.
 - a. Do not let the water run before collection.
 - b. Record information and complete all necessary forms:
 - i. Laboratory chain-of-custody form
 - ii. Drinking Water Management Plan (Table 6: Annual Sampling Schedule)
 - c. Each filtered fixture may be sampled on the same day.
6. Samples must be delivered to a drinking water laboratory certified for lead and copper testing for the approved EPA method. A list of certified labs can be found at: [Lead-Copper-Certifications.pdf \(michigan.gov\)](#).
 - a. Get the samples to the laboratory as soon as possible. May be mailed or hand delivered.
 - b. Samples must be received by the laboratory within 14 days of sample collection.

Some labs report the test results in milligrams per liter (mg/L) and some in micrograms per liter (ug/L). Make sure to check the appropriate unit of measure reported by the lab in Table 6 (Annual Sampling Schedule).

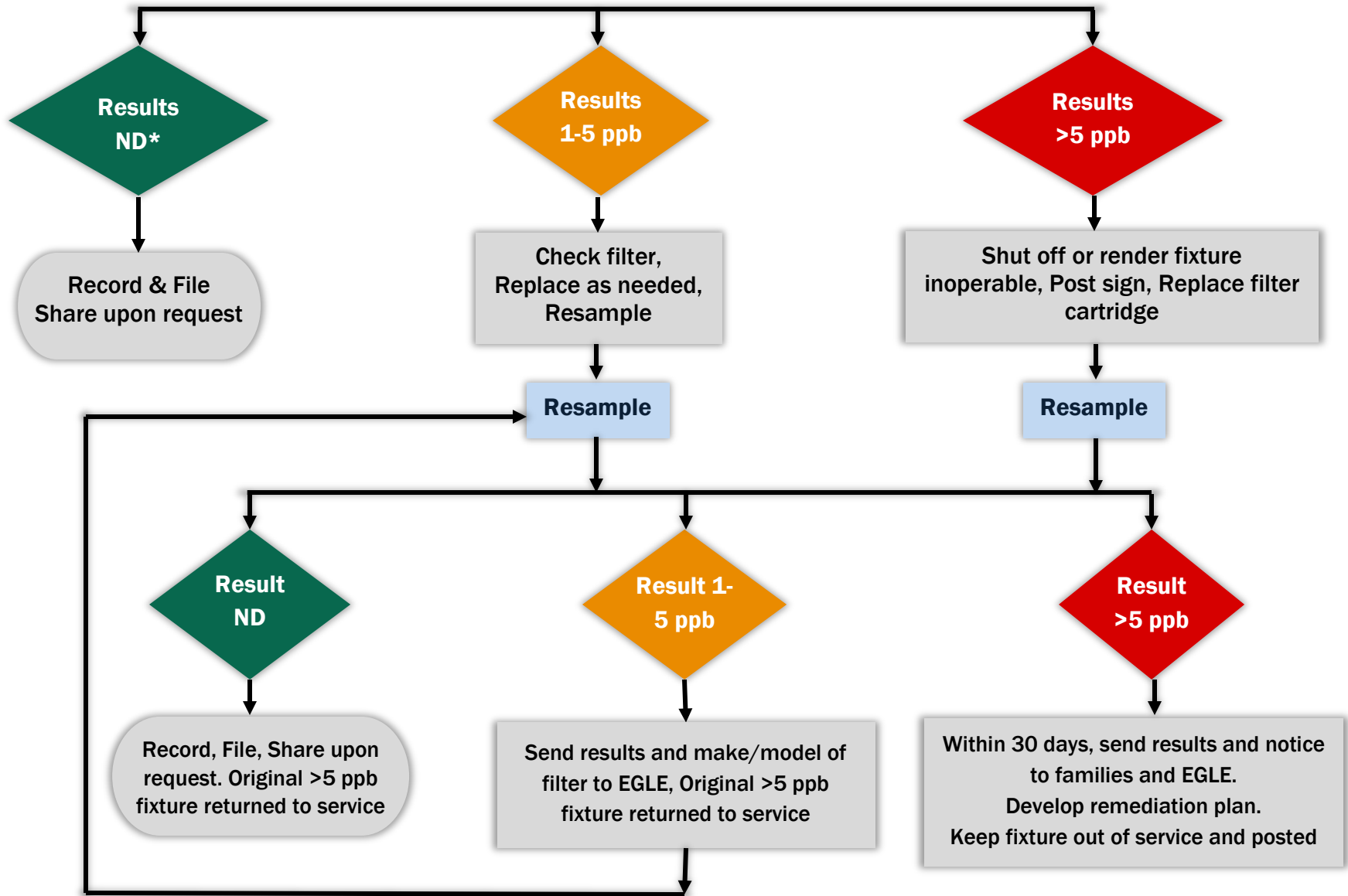


Immediate action is required by law if the test result is greater than 5 ug/L (5 ppb) or 0.005 mg/L (0.005 ppm). **Note:** 5 ug/L is the same as 5 parts per billion (5 ppb).

Results greater than 5 ppb or 0.005 ppm SHALL be submitted EGLE **within 30 days** of facility receipt of the results and notice provided to families, staff, and students.



Annual Sampling and Testing Result Actions



*ND = Not Detected



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY



Clean Drinking Water Access Act

Drinking Water Management Plan for Schools

Green Elementary School

School Building Name

1800

School Building Code

Roseville Community Schools

School District

Child Care License Number (if one exists within the school building)

Joseph Smith

Responsible Staff Name

Director of Buildings and Grounds

Responsible Staff Title

586-445-5697

Responsible Staff Phone Number

JSmith@Roseville.k12.mi.us

Responsible Staff Email Address

2024/25

School Year Plan Date

January 24, 2025

Update Plan Due-By Date

August

Annual Sampling Month

MI000

Public Water System ID (PWSID)*

*A PWSID is how a water supply is identified. A list of PWSIDs is available at Michigan.gov/FilterFirst.



The Michigan Department of Environment, Great Lakes, and Energy (EGLE) has created the Drinking Water Management Plan (DWMP) as a tool to maintain healthy and safe drinking water in the building throughout the year. This document is a template that may be used for the DWMP per the requirements of the Clean Drinking Water Access Act (CDWAA), 2023 PA 154. Schools may use this document or create their own plan, provided it includes all the required elements listed below. Individual forms for each required element may be found at Michigan.gov/FilterFirst.

Retain and utilize the DWMP. The first DWMP must be developed by January 24, 2025, and updated at a minimum of every 5 years per the CDWAA. Upon request, the DWMP shall be made available to EGLE, staff, parents and guardians, and the public.

The DWMP must include the following required elements:

1. The location of each consumptive water outlet (drinking, as a component of a food or beverage, rinsing foods, brushing teeth, making baby formula):
 - a. Location of filtered bottle-filling station (1/100 occupants of the building).
 - b. Location of filtered faucet (kitchens, nurse stations, preschool classrooms, teacher lounges).
2. The location where a water outlet will be maintained for purposes other than described above (nonconsumptive fixtures).
3. The location where a water outlet will be shut off or rendered permanently inoperable.
4. A schedule for when each of the following will occur:
 - a. Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet.
 - b. Regular replacement of the filter cartridge for each filtered bottle-filling station and filtered faucet in compliance with the manufacturer’s instructions or recommendations of EGLE.

Each school shall submit the CDWAA Certification Form that certifies the school has complied with the requirements of the CDWAA to EGLE on an annual basis by August 15. The certification form can be found at Michigan.gov/FilterFirst. All current required documents must be retained by the facility and submitted to EGLE if requested.



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To request this material in an alternate format, contact EGLE-Accessibility@Michigan.gov or 800-662-9278.



General Information

Key Terms:

Bubbler Fixture: A fixture on a drinking water fountain/water cooler through which water is forced up in a small arc from a nozzle that allows an individual to drink from the arc directly.

Consumption Water: Water used for drinking, component of food or beverage, or brushing teeth, rinsing food, and making baby formula.

Department: The Department of Environment, Great Lakes, and Energy (EGLE)

Drinking Fountain: An un-chilled plumbing fixture that is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.

Filtered Bottle-filling Station (also known as Hydration Station): An apparatus that is connected to building plumbing, filters water, is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal, has a light or other device to indicate filter cartridge performance, is designed to fill drinking bottles or other containers used for personal water consumption, and has a bubbler fixture that allows the user to drink directly from a stream of flowing water without the use of any accessory.

Filtered Faucet: A faucet that includes at the point of use a filter that is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal.

First Draw: The first 250 mL sample of water from a fixture after at least an 8-hour stagnation period.

Fund: School and child care center clean drinking water fund created in section 11 of PA 0154.

School: Public or nonpublic as defined in section 5 of the revised school code, 1976 PA 451, MCL 380.5.

Water Cooler: a plumbing fixture that chills the water and is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.



Acronyms:

- CDWAA**..... Clean Drinking Water Act
- DWMP**.....Drinking Water Management Plan
- EGLE** Michigan Department of Environment, Great Lakes, and Energy
- mg/L**..... Milligrams per liter (lab sample measure, same as one part per million)
- NSF/ANSI 42** National standard for particulate removal
- NSF/ANSI 53** National standard for lead reduction (must specify for lead)
- PN**..... Public Test Result Notification
- POE**..... Point of Entry (location the water enters the building)
- POU**..... Point of Use (the end of a faucet)
- ppb**..... Parts per billion (one part per billion of volume of a water sample)
- ppm**..... Parts per million (one part per million of volume of a water sample)
- PWSID** Public Water System ID (how a water supply is identified)
- µg/L**..... Micrograms per liter (lab sample measure, same as one ppb)

Maintenance Categories:

Preventive Maintenance: Planned and carried out on a regular basis to maintain and keep infrastructure in good condition.

Corrective Maintenance: Replacing or repairing something done incorrectly or needing change for improvement.

Emergency Maintenance: Reaction to a crisis or public complaints normally due to failure, malfunction, or breakdown of plumbing/equipment.

Periodic Maintenance: Infrequent actions needed, for example biannual, once in five years, etc.



Roles and Responsibilities:

List the names of school staff or third-party contractors who play a role or have responsibilities for following and executing the DWMP. May include contacts for filter and bottle fill station manufacturers/distributors.

Person's Name	Title or Company	Phone Number	Email Address	Role or Responsibility
Joe Smith	Director	586-445-5697	JSmith@roseville.k12.mi.us	Execution of the DWMP
Scott Sikorski	Coordinator	586-445-5699	SSikorski@roseville.k12.mi.us	Execution of the DWMP

Comments:



Fixture Identification Code Development Guidelines:

It is important to follow these guidelines to generate a unique fixture identification code (Fixture ID) for each fixture used for consumption to support: quick identification, fixture maintenance, sampling, matching test results to the sample, and reporting to EGLE when necessary (Note: adhering to this coding system now will save time in the future when reporting to EGLE’s on-line electronic data collection system, will promote consistency, and reduce sample confusion).

The following table lists the fixture type codes that are used for compliance sampling and reporting purposes to EGLE.

Table 1: Fixture Type Codes

Code	Fixture Type
B	Bubbler outlet on the bottle fill unit (hydration station)
BF	Bottle fill outlet
CF	Classroom faucet
DF	Drinking Fountain
IM	Ice machine
KF	Kitchen faucet
KK	Kitchen kettle-fill
NS	Nurses sink faucet
OT	Other faucet used for consumption (in a break room, office, library, etc.)
RF	Restroom faucet (used for consumption)
SC	Service Connection (Tap closest to the service line)
TL	Teachers’ lounge faucet
WC	Water Cooler (plug-in chiller unit/ refrigerated unit)



Generating the fixture identification code:

The Fixture ID should be long enough to identify the building, location, and fixture type, but not too long that the laboratory reporting cuts off some of the code (maximum of 20 for State Laboratory reports). The Fixture ID is created as follows:

1. The Fixture ID code starts with 2-3 letters for the building name.
 - a. Example: West Elementary = WE
 - b. Example: Wilson High School = WHS
2. The middle part of the Fixture ID code is the location.
 - a. Example: Room 110 = 110
 - b. Example: West wall of the Gym = WGym
 - c. Example: East wall of the Gym = EGym
 - d. Example: Second floor hallway by room 201 = 2FH201 or 201HALL
3. The last part of the Fixture ID code is the fixture type found on Table 1 above. Adhering to these codes is needed for reporting consistency and statistical analysis.

If following the EGLE coding system, dashes in between the three sections must be used.

Below are examples of complete Fixture ID codes for some fixtures in one building:

- | | | |
|---------------|-----------------|--------------|
| 1. WE-110-CF | 4. WE-2FH201-BF | 7. WE-KIT-IM |
| 2. WE-WGYM-BF | 5. WE-2FH201-WC | 8. WE-150-TL |
| 3. WE-WGYM-WC | 6. WE-KIT-KF | 9. WE-100-NS |

Example for bottle-filling stations (include a bottle-filling outlet and bubbler outlet)

1. WE-BF1-BF (bottle fill) and
2. WE-BF1-WC (bubbler outlet of unit)
3. WEC-BF1WC-WC (the bubbler outlet of an ADA compliant cooler next to the station).

If you have multiple bottle-filling units in the building halls, the middle part of the code can designate the unit number, starting with the unit closest to the water point of entry into the building. Exact location will be recorded on the inventory list and may also be located on a floor plan/map.

1. WE-BF1-BF and WE-BF1-WC
2. WE-BF2-BF and WE-BF2-WC
3. WE-BF3-BF and WE-BF3-WC
4. WE-BF4-BF and WE-BF4-WC and WE-BF4WC-WC (for the ADA water cooler next to the bottle-filling unit).



Forms (retain until updated or 5-year revision – submit only if requested by EGLE)

Separate inventory sheets can be found at Michigan.gov/SchoolWater.

A. Consumptive Fixture Inventory:

The CDWAA requires every consumptive fixture in a building to be identified and location recorded. The category of each consumptive fixture should be specified as a filtered bottle-filling station or filtered faucet. “Number” is the order of sampling starting at the fixture closest to the water POE into the building. List here, include additional pages if needed, update as needed and keep a copy for your records.

Table 2: Filtered Fixture Inventory

Program/School Year: 2024/25

Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>Preschool room 100</i>	<i>ABC FM-2000B</i>	<i>Filtered faucet</i>
<i>Ex: 2</i>	<i>WE-203H-BF</i>	<i>2nd floor hall by room 203</i>	<i>XYZ FM-2000A</i>	<i>Filtered bottle-filling station</i>
<i>Ex: 3</i>	<i>WE-203-WC</i>	<i>2nd floor hall by room 203</i>	<i>XYC FM-2000A</i>	<i>Filtered bottle-filling station</i>
1	GR-ROOM311-B	ROOM 311	BUBBLER_AND_FAUCET	Classroom Faucet
2	GR-WC-PRESCWING	Pre school wing	OTHER_SINGLE_BRAND	Water Cooler
3	GR-WC-100WING	100 wing	OTHER_SINGLE_BRAND	Water Cooler
4	GR-BFS-MAINENTRY	Main entrance	K_SINGLE	Bottle Fill
5	GR-WC-GYMHALL	Gym hall	OTHER_SINGLE_BRAND	Water Cooler
6	GR-BFS-GYMENTRY	Gym entrance	K_BILEVEL	Bottle Fill
7	GR-WC-5THGRADEWING	5th grade wing	OTHER_SINGLE_BRAND	Water Cooler
8	GR-ROOM309-B	ROOM 309	BUBBLER_AND_FAUCET	Classroom Faucet
9	GR-ROOM307-B	ROOM 307	BUBBLER_AND_FAUCET	Classroom Faucet



Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
10	GR-ROOM305-B	ROOM 305	BUBBLER_AND_FAUCET	Classroom Faucet
11	GR-ROOM303-B	ROOM 303	BUBBLER_AND_FAUCET	Classroom Faucet
12	GR-ROOM301-B	ROOM 301	BUBBLER_AND_FAUCET	Classroom Faucet
13	GR-ROOM110-B	ROOM 110	BUBBLER_AND_FAUCET	Classroom Faucet
14	GR-ROOM108-B	ROOM 108	BUBBLER_AND_FAUCET	Classroom Faucet



B. Non-Consumptive Fixture Inventory:

The CDWAA requires every non-consumptive fixture in a building to be identified and recorded. Specify the location where a water outlet will be maintained for purposes other than drinking or addition to food or beverages. “Number” is the order of fixtures starting with the fixture closest to the water POE into the building. Include additional pages if needed, update as needed and keep a copy for your records. Note: Nonconsumptive fixtures in a kitchen are those for hand or dish washing and not water used as an addition to a food for food preparation.

Table 3 : Non-Consumptive Fixture Inventory

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
<i>Ex: 1</i>	<i>Hand sink faucet in classroom 203 (handwashing only sign posted)</i>
1	BATHROOMS (9)
2	ROOM 108 BATHROOM W/SINK
3	ROOM 107 BATHROOM W/SINK
4	ROOM 109 BATHROOM W/SINK
5	ROOM 110 BATHROOM W/SINK
6	TEACHER LOUNGE SINK
7	ART ROOM BATHROOM W/SINK
8	ROOM 303 BATHROOM W/SINK
9	ROOM 305 BATHROOM W/SINK
10	ROOM 307 BATHROOM W/SINK
11	ROOM 309 BATHROOM W/SINK



Number	Fixture Location (room # or description)
12	ROOM 311 BATHROOM W/SINK
13	ROOM 219 BATHROOM W/SINK
14	ROOM 220 BATHROOM W/SINK
15	ROOM 217 BATHROOM W/SINK
16	ROOM 218 BATHROOM W/SINK



C. Inoperable Fixture Inventory:

The CDWAA requires a list of the location(s) where a water outlet is shut off or rendered permanently inoperable.

Table 5: Fixture Not in Use

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
<i>Ex: 1</i>	<i>Bubbler in classroom 123 – water line shut off, will be permanently removed on 6/15/24</i>





D. Filter Maintenance Schedule:

The CDWAA requires a filter maintenance schedule. Use this form to track filter maintenance. It is recommended that drinking water filters are to be checked weekly to be sure they are operational, and the green status light is on. Filters/cartridges must be replaced according to manufacturer’s recommendations or if the RED filter status light is showing. Record the date and initials of the person who replaced the filter or cartridge.

Table 5: Filter Maintenance Schedule

Program/School Year: 2024/25

Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
GR-ROOM311-B	New_Elkay_bubbler_and_EF3000VRBMC										
GR-WC-PRESCWING	LZS8WSSP_single_BFS_w_QFCW										
GR-WC-100WING	LZS8WSSP_single_BFS_w_QFCW										
GR-BFS-MAINENTR Y	EZFMK_single_ezH2O_sideaccess_kit										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
GR-WC-GYMHALL	LZS8WSSP_single_BFS_w_QFCW										
GR-BFS-GYMENTR Y	EZFMTLK_bilevel_ezH2O_sideaccess_kit										
GR-WC-5THGRAD EWING	LZS8WSSP_single_BFS_w_QFCW										
GR-ROOM309 -B	New_Elkay_bubbler_and_EF3000VRBMC										
GR-ROOM307 -B	New_Elkay_bubbler_and_EF3000VRBMC										
GR-ROOM305 -B	New_Elkay_bubbler_and_EF3000VRBMC										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
GR-ROOM303-B	New_Elkay_bu bbler_and_EF 3000VRBMC										
GR-ROOM301-B	New_Elkay_bu bbler_and_EF 3000VRBMC										
GR-ROOM110-B	New_Elkay_bu bbler_and_EF 3000VRBMC										
GR-ROOM108-B	New_Elkay_bu bbler_and_EF 3000VRBMC										



E. Sampling Schedule:

Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet is required by the CDWAA. Proper sampling procedures must be followed. Sampling instructions can be found in the Appendix. Provide all results to EGLE, parents and guardians, staff, and the public upon request.

Results that are greater than 5 ppb (0.005 mg/L or 5 ug/L) SHALL be submitted to EGLE within 30 days of facility receipt of the results to the EGLE School and Child Care Water email EGLE-DWEHD-FilterFirst@michigan.gov and reported to families. Repeat results that are 1-5 ppb (0.001-0.005 mg/L or 1-5 ug/L) SHALL also be submitted to EGLE along with the make/model of filter and/or filter bottle-filling station. Check the result box for the unit reported by the laboratory.

Table 6: Annual Sampling Schedule

Program/School Year: 2024/25

Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>3/1/23</i>	<i>0</i>		
<i>Ex: 2</i>	<i>WE-101 CF</i>	<i>3/1/23</i>	<i>3</i>	<i>4/1/23</i>	<i>0</i>
1	GR-ROOM311-B				
2	GR-WC-PRESCWING				
3	GR-WC-100WING				
4	GR-BFS-MAINENTRY				
5	GR-WC-GYMHALL				
6	GR-BFS-GYMENTRY				
7	GR-WC-5THGRADEWING				



Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
8	GR-ROOM309-B				
9	GR-ROOM307-B				
10	GR-ROOM305-B				
11	GR-ROOM303-B				
12	GR-ROOM301-B				
13	GR-ROOM110-B				
14	GR-ROOM108-B				



Appendix A: Summary of the Clean Drinking Water Access Act (2023 PA 154)

These are the main regulatory elements of the CDWAA. You can read the Act in its entirety at Michigan.gov/FilterFirst.

1. Drinking Water Management Plan (DWMP)

- A. Within 15 months after the effective date of this act (by January 24, 2025), each school shall develop a drinking water management plan. The DWMP shall:
 - i. Be available upon request to EGLE, staff, parents/guardians, and public.
 - ii. Be reviewed and updated as needed, at least once every 5 years.
 - iii. Specify location of all water outlets used for human consumption.
 1. Specify location of filtered bottle-filling station (1/100 occupants)
 2. Specify location of filtered faucets.
 - iv. Specify location of all water outlets not used for consumption.
 - v. Specify location of water outlets that are shut off or rendered permanently inoperable.
 - vi. Develop a schedule for the regular replacement of the filter/filter cartridges for each filtered bottle-filling station and filtered faucet.
 - vii. Develop a schedule for sampling and testing of the filtered bottle-filling stations and filtered faucets for lead.

2. Testing for Lead

- A. Every filtered water outlet shall be sampled (through the filter) for lead once a year starting from the date filters have been installed and tested at a laboratory certified to analyze for lead.
- B. Laboratory test results shall be available upon request and recommend retaining by the school/district for at least 10 years.
- C. The following actions are to be taken upon review of the annual test results:
 - i. Test results not detecting lead (0 mg/L or 0 ug/L):
 1. Record and file the results.
 2. Share upon request.
 - ii. Test results detecting lead 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 1. Immediately check status of filter(s).
 2. Replace filter/cartridge if status light is yellow or red.



3. Ensure the filter is properly installed.
 4. Resample and retest.
 5. If re-test result is 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 - a. Send copy of result and the make/model of filter to EGLE.
 - b. Consult with EGLE or filter manufacturer.
- iii. Test results detecting more than 5 ppb (>0.005 mg/L or 5 ug/L):
1. Immediately shut off or render the water outlet inoperable.
 2. Post a conspicuous sign near the outlet stating it is inoperable because of high lead concentration. Maintain the sign until actions have been taken to reduce the risk.
 3. Replace the filter/cartridge.
 4. Resample and retest the filtered water.
 5. Return the outlet to service if re-test result is not more than 5 ppb of lead.
 - a. If result is 1-5 ppb, follow 2cii above.
 - b. If result is >5 ppb, complete all the following:
 - i. Within 30 days after receiving the test results:
 - 1) Send a copy of test result(s) to EGLE.
 - 2) Send a notice to staff and parents/guardians that includes the amount of lead found in the water and information provided by EGLE on the health effects of lead exposure and ways to reduce childhood lead exposure.
 - ii. Develop a remediation plan in consultation with EGLE. The drinking water management plan must be updated to incorporate the remediation plan.

3. By the end of the 2025-2026 School Year, each school shall:

- A. Have filters on all consumptive fixtures.
- B. Install all filtered bottle-filling stations (1 station per 100 occupants).
- C. Shut off or render permanently inoperable any water outlet providing water for human consumption that is not a filtered bottle-filling station or filtered faucet.
- D. Not install a drinking fountain unless it is a filtered bottle-filling station with a filter status light.
- E. Submit annually a certification of compliance to EGLE that certifies that the school has complied with the requirements of this act (on a form and in a manner prescribed by EGLE).



Appendix B: Water Sampling Guidance & Instructions

1. The CDWAA requires routine sampling at all filtered fixtures every year. Sampling begins as soon as filters are installed to check the functionality of the device and annually thereafter. To ensure sample results represent typical daily use during the school year, do not collect the routine annual sample immediately after replacing the filter cartridge.
2. Develop a unique [Fixture Identification Code](#) for each consumptive fixture per instructions on pages 7-8 above.
3. Obtain 250 ml wide-mouth sample bottles from the laboratory that will be testing the sample(s).
4. Prevent water use in the building for at least 8 hours prior to sample collection.
 - a. Notify all school staff and building users (external groups)
 - b. Post signs or bag fixtures, lock building, lock rooms.
 - c. Do not allow water use during sample collection. That includes flushing toilets, handwashing, and cleaning.
 - d. Do not collect samples or send them to the laboratory if water has been used.
5. Collect the **first draw** of filtered water in a 250 mL sample bottle.
 - a. Do not let the water run before collection.
 - b. Record information and complete all necessary forms:
 - i. Laboratory chain-of-custody form
 - ii. Drinking Water Management Plan (Table 6: Annual Sampling Schedule)
 - c. Each filtered fixture may be sampled on the same day.
6. Samples must be delivered to a drinking water laboratory certified for lead and copper testing for the approved EPA method. A list of certified labs can be found at: [Lead-Copper-Certifications.pdf \(michigan.gov\)](#).
 - a. Get the samples to the laboratory as soon as possible. May be mailed or hand delivered.
 - b. Samples must be received by the laboratory within 14 days of sample collection.

Some labs report the test results in milligrams per liter (mg/L) and some in micrograms per liter (ug/L). Make sure to check the appropriate unit of measure reported by the lab in Table 6 (Annual Sampling Schedule).

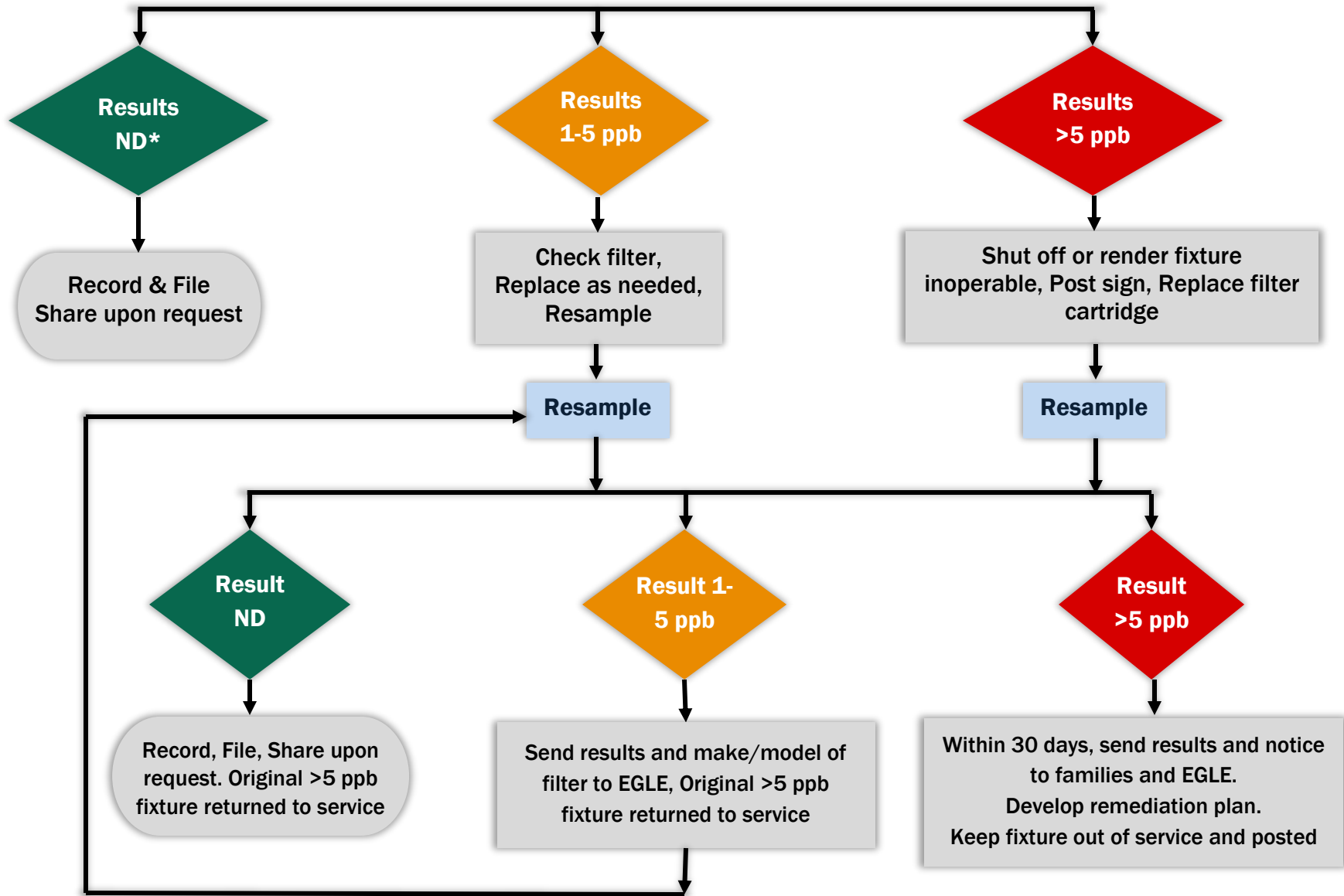


Immediate action is required by law if the test result is greater than 5 ug/L (5 ppb) or 0.005 mg/L (0.005 ppm). **Note:** 5 ug/L is the same as 5 parts per billion (5 ppb).

Results greater than 5 ppb or 0.005 ppm SHALL be submitted EGLE **within 30 days** of facility receipt of the results and notice provided to families, staff, and students.



Annual Sampling and Testing Result Actions



*ND = Not Detected



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY



Clean Drinking Water Access Act

Drinking Water Management Plan for Schools

Steenland Elementary School

School Building Name

9976

School Building Code

Roseville Community Schools

School District

Child Care License Number (if one exists within the school building)

Joseph Smith

Responsible Staff Name

586-445-5697

Responsible Staff Phone Number

2024/25

School Year Plan Date

August

Annual Sampling Month

Director of Buildings and Grounds

Responsible Staff Title

JSmith@Roseville.k12.mi.us

Responsible Staff Email Address

January 24, 2025

Update Plan Due-By Date

MI0005820

Public Water System ID (PWSID)*

*A PWSID is how a water supply is identified. A list of PWSIDs is available at Michigan.gov/FilterFirst.



The Michigan Department of Environment, Great Lakes, and Energy (EGLE) has created the Drinking Water Management Plan (DWMP) as a tool to maintain healthy and safe drinking water in the building throughout the year. This document is a template that may be used for the DWMP per the requirements of the Clean Drinking Water Access Act (CDWAA), 2023 PA 154. Schools may use this document or create their own plan, provided it includes all the required elements listed below. Individual forms for each required element may be found at Michigan.gov/FilterFirst.

Retain and utilize the DWMP. The first DWMP must be developed by January 24, 2025, and updated at a minimum of every 5 years per the CDWAA. Upon request, the DWMP shall be made available to EGLE, staff, parents and guardians, and the public.

The DWMP must include the following required elements:

1. The location of each consumptive water outlet (drinking, as a component of a food or beverage, rinsing foods, brushing teeth, making baby formula):
 - a. Location of filtered bottle-filling station (1/100 occupants of the building).
 - b. Location of filtered faucet (kitchens, nurse stations, preschool classrooms, teacher lounges).
2. The location where a water outlet will be maintained for purposes other than described above (nonconsumptive fixtures).
3. The location where a water outlet will be shut off or rendered permanently inoperable.
4. A schedule for when each of the following will occur:
 - a. Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet.
 - b. Regular replacement of the filter cartridge for each filtered bottle-filling station and filtered faucet in compliance with the manufacturer’s instructions or recommendations of EGLE.

Each school shall submit the CDWAA Certification Form that certifies the school has complied with the requirements of the CDWAA to EGLE on an annual basis by August 15. The certification form can be found at Michigan.gov/FilterFirst. All current required documents must be retained by the facility and submitted to EGLE if requested.



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To request this material in an alternate format, contact EGLE-Accessibility@Michigan.gov or 800-662-9278.



General Information

Key Terms:

Bubbler Fixture: A fixture on a drinking water fountain/water cooler through which water is forced up in a small arc from a nozzle that allows an individual to drink from the arc directly.

Consumption Water: Water used for drinking, component of food or beverage, or brushing teeth, rinsing food, and making baby formula.

Department: The Department of Environment, Great Lakes, and Energy (EGLE)

Drinking Fountain: An un-chilled plumbing fixture that is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.

Filtered Bottle-filling Station (also known as Hydration Station): An apparatus that is connected to building plumbing, filters water, is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal, has a light or other device to indicate filter cartridge performance, is designed to fill drinking bottles or other containers used for personal water consumption, and has a bubbler fixture that allows the user to drink directly from a stream of flowing water without the use of any accessory.

Filtered Faucet: A faucet that includes at the point of use a filter that is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal.

First Draw: The first 250 mL sample of water from a fixture after at least an 8-hour stagnation period.

Fund: School and child care center clean drinking water fund created in section 11 of PA 0154.

School: Public or nonpublic as defined in section 5 of the revised school code, 1976 PA 451, MCL 380.5.

Water Cooler: a plumbing fixture that chills the water and is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.



Acronyms:

- CDWAA**..... Clean Drinking Water Act
- DWMP**.....Drinking Water Management Plan
- EGLE** Michigan Department of Environment, Great Lakes, and Energy
- mg/L**..... Milligrams per liter (lab sample measure, same as one part per million)
- NSF/ANSI 42** National standard for particulate removal
- NSF/ANSI 53** National standard for lead reduction (must specify for lead)
- PN**..... Public Test Result Notification
- POE**..... Point of Entry (location the water enters the building)
- POU**..... Point of Use (the end of a faucet)
- ppb**..... Parts per billion (one part per billion of volume of a water sample)
- ppm**..... Parts per million (one part per million of volume of a water sample)
- PWSID** Public Water System ID (how a water supply is identified)
- µg/L**..... Micrograms per liter (lab sample measure, same as one ppb)

Maintenance Categories:

Preventive Maintenance: Planned and carried out on a regular basis to maintain and keep infrastructure in good condition.

Corrective Maintenance: Replacing or repairing something done incorrectly or needing change for improvement.

Emergency Maintenance: Reaction to a crisis or public complaints normally due to failure, malfunction, or breakdown of plumbing/equipment.

Periodic Maintenance: Infrequent actions needed, for example biannual, once in five years, etc.



Roles and Responsibilities:

List the names of school staff or third-party contractors who play a role or have responsibilities for following and executing the DWMP. May include contacts for filter and bottle fill station manufacturers/distributors.

Person's Name	Title or Company	Phone Number	Email Address	Role or Responsibility
Joe Smith	Director	586-445-5697	JSmith@roseville.k12.mi.us	Execution of the DWMP
Scott Sikorski	Coordinator	586-445-5699	SSikorski@roseville.k12.mi.us	Execution of the DWMP

Comments:



Fixture Identification Code Development Guidelines:

It is important to follow these guidelines to generate a unique fixture identification code (Fixture ID) for each fixture used for consumption to support: quick identification, fixture maintenance, sampling, matching test results to the sample, and reporting to EGLE when necessary (Note: adhering to this coding system now will save time in the future when reporting to EGLE’s on-line electronic data collection system, will promote consistency, and reduce sample confusion).

The following table lists the fixture type codes that are used for compliance sampling and reporting purposes to EGLE.

Table 1: Fixture Type Codes

Code	Fixture Type
<i>B</i>	Bubbler outlet on the bottle fill unit (hydration station)
<i>BF</i>	Bottle fill outlet
<i>CF</i>	Classroom faucet
<i>DF</i>	Drinking Fountain
<i>IM</i>	Ice machine
<i>KF</i>	Kitchen faucet
<i>KK</i>	Kitchen kettle-fill
<i>NS</i>	Nurses sink faucet
<i>OT</i>	Other faucet used for consumption (in a break room, office, library, etc.)
<i>RF</i>	Restroom faucet (used for consumption)
<i>SC</i>	Service Connection (Tap closest to the service line)
<i>TL</i>	Teachers’ lounge faucet
<i>WC</i>	Water Cooler (plug-in chiller unit/ refrigerated unit)



Generating the fixture identification code:

The Fixture ID should be long enough to identify the building, location, and fixture type, but not too long that the laboratory reporting cuts off some of the code (maximum of 20 for State Laboratory reports). The Fixture ID is created as follows:

1. The Fixture ID code starts with 2-3 letters for the building name.
 - a. Example: West Elementary = WE
 - b. Example: Wilson High School = WHS
2. The middle part of the Fixture ID code is the location.
 - a. Example: Room 110 = 110
 - b. Example: West wall of the Gym = WGym
 - c. Example: East wall of the Gym = EGym
 - d. Example: Second floor hallway by room 201 = 2FH201 or 201HALL
3. The last part of the Fixture ID code is the fixture type found on Table 1 above. Adhering to these codes is needed for reporting consistency and statistical analysis.

If following the EGLE coding system, dashes in between the three sections must be used.

Below are examples of complete Fixture ID codes for some fixtures in one building:

- | | | |
|---------------|-----------------|--------------|
| 1. WE-110-CF | 4. WE-2FH201-BF | 7. WE-KIT-IM |
| 2. WE-WGYM-BF | 5. WE-2FH201-WC | 8. WE-150-TL |
| 3. WE-WGYM-WC | 6. WE-KIT-KF | 9. WE-100-NS |

Example for bottle-filling stations (include a bottle-filling outlet and bubbler outlet)

1. WE-BF1-BF (bottle fill) and
2. WE-BF1-WC (bubbler outlet of unit)
3. WEC-BF1WC-WC (the bubbler outlet of an ADA compliant cooler next to the station).

If you have multiple bottle-filling units in the building halls, the middle part of the code can designate the unit number, starting with the unit closest to the water point of entry into the building. Exact location will be recorded on the inventory list and may also be located on a floor plan/map.

1. WE-BF1-BF and WE-BF1-WC
2. WE-BF2-BF and WE-BF2-WC
3. WE-BF3-BF and WE-BF3-WC
4. WE-BF4-BF and WE-BF4-WC and WE-BF4WC-WC (for the ADA water cooler next to the bottle-filling unit).



Forms (retain until updated or 5-year revision – submit only if requested by EGLE)

Separate inventory sheets can be found at Michigan.gov/SchoolWater.

A. Consumptive Fixture Inventory:

The CDWAA requires every consumptive fixture in a building to be identified and location recorded. The category of each consumptive fixture should be specified as a filtered bottle-filling station or filtered faucet. “Number” is the order of sampling starting at the fixture closest to the water POE into the building. List here, include additional pages if needed, update as needed and keep a copy for your records.

Table 2: Filtered Fixture Inventory

Program/School Year: 2024/25

Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>Preschool room 100</i>	<i>ABC FM-2000B</i>	<i>Filtered faucet</i>
<i>Ex: 2</i>	<i>WE-203H-BF</i>	<i>2nd floor hall by room 203</i>	<i>XYZ FM-2000A</i>	<i>Filtered bottle-filling station</i>
<i>Ex: 3</i>	<i>WE-203-WC</i>	<i>2nd floor hall by room 203</i>	<i>XYC FM-2000A</i>	<i>Filtered bottle-filling station</i>
1	STE-BFS-GYMHALL	Gym hall	K_BILEVEL	Bottle Fill
2	STE-WC-CAFE	Cafeteria	VR_BILEVEL	Water Cooler
3	STE-BFS-500WING	500 wing	K_BILEVEL	Bottle Fill
4	STE-BFS-300WING	300 wing	K_BILEVEL	Bottle Fill
5	STE-CFB-ROOM214	ROOM 214	BUBBLER_AND_FAUCET	Classroom Faucet
6	STE-WC-200WING	200 wing	VR_BILEVEL	Water Cooler
7	STE-CFB-ROOM213	ROOM 213	BUBBLER_AND_FAUCET	Classroom Faucet
8	STE-CFB-ROOM211	ROOM 211	BUBBLER_AND_FAUCET	Classroom Faucet
9	STE-CFB-ROOM302	ROOM 302	BUBBLER_AND_FAUCET	Classroom Faucet



Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
10	STE-CFB-ROOM304	ROOM 304	BUBBLER_AND_FAUCET	Classroom Faucet
11	STE-CFB-ROOM306	ROOM 306	BUBBLER_AND_FAUCET	Classroom Faucet
12	STE-CFB-ROOM308	ROOM 308	BUBBLER_AND_FAUCET	Classroom Faucet
13	STE-CFB-ROOM310	ROOM 310	BUBBLER_AND_FAUCET	Classroom Faucet
14	STE-CFB-ROOM312	ROOM 312	BUBBLER_AND_FAUCET	Classroom Faucet
15	STE-CFB-ROOM314	ROOM 314	BUBBLER_AND_FAUCET	Classroom Faucet
16	STE-CFB-ROOM316	ROOM 316	BUBBLER_AND_FAUCET	Classroom Faucet
17	STE-CFB-ROOM317	ROOM 317	BUBBLER_AND_FAUCET	Classroom Faucet
18	STE-CFB-ROOM315	ROOM 315	BUBBLER_AND_FAUCET	Classroom Faucet
19	STE-CFB-ROOM313	ROOM 313	BUBBLER_AND_FAUCET	Classroom Faucet
20	STE-CFB-ROOM406	ROOM 406	BUBBLER_AND_FAUCET	Classroom Faucet
21	STE-CFB-ROOM408	ROOM 408	BUBBLER_AND_FAUCET	Classroom Faucet
22	STE-CFB-ROOM409	ROOM 409	BUBBLER_AND_FAUCET	Classroom Faucet
23	STE-CFB-ROOM410	ROOM 410	BUBBLER_AND_FAUCET	Classroom Faucet
24	STE-CFB-ROOM501	ROOM 501	BUBBLER_AND_FAUCET	Classroom Faucet
25	STE-CFB-ROOM503	ROOM 503	BUBBLER_AND_FAUCET	Classroom Faucet
26	STE-CFB-ROOM505	ROOM 505	BUBBLER_AND_FAUCET	Classroom Faucet
27	STE-CFB-ROOM507	ROOM 507	BUBBLER_AND_FAUCET	Classroom Faucet
28	STE-CFB-ROOM508	ROOM 508	BUBBLER_AND_FAUCET	Classroom Faucet



Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
29	STE-CFB-ROOM509	ROOM 509	BUBBLER_AND_FAUCET	Classroom Faucet
30	STE-CFB-ROOM510	ROOM 510	BUBBLER_AND_FAUCET	Classroom Faucet
31	STE-CFB-ROOM511	ROOM 511	BUBBLER_AND_FAUCET	Classroom Faucet
32	STE-CFB-ROOM512	ROOM 512	BUBBLER_AND_FAUCET	Classroom Faucet



B. Non-Consumptive Fixture Inventory:

The CDWAA requires every non-consumptive fixture in a building to be identified and recorded. Specify the location where a water outlet will be maintained for purposes other than drinking or addition to food or beverages. “Number” is the order of fixtures starting with the fixture closest to the water POE into the building. Include additional pages if needed, update as needed and keep a copy for your records. Note: Nonconsumptive fixtures in a kitchen are those for hand or dish washing and not water used as an addition to a food for food preparation.

Table 3 : Non-Consumptive Fixture Inventory

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
<i>Ex: 1</i>	<i>Hand sink faucet in classroom 203 (handwashing only sign posted)</i>
1	BATHROOMS (12)
2	KITCHEN SINK
3	ROOM 106 SINK
4	ROOM 501 SINK
5	ROOM 503 SINK
6	ROOM 505 SINK
7	ROOM 507 SINK
8	ROOM 508 SINK
9	ROOM 509 SINK
10	ROOM 510 SINK
11	ROOM 511 SINK



Number	Fixture Location (room # or description)
12	ROOM 512 SINK
13	ROOM 409 SINK
14	ROOM 410 SINK
15	ROOM 412 BATHROOM W/SINK
16	ROOM 408 SINK
17	ROOM 406 SINK
18	ROOM 313 SINK
19	ROOM 315 SINK
20	ROOM 317 SINK
21	ROOM 316 SINK
22	ROOM 314 SINK
23	ROOM 312 BATHROOM W/SINK
24	ROOM 310 BATHROOM W/SINK
25	ROOM 308 BATHROOM W/SINK
26	ROOM 306 BATHROOM W/SINK
27	ROOM 304 BATHROOM W/SINK
28	ROOM 302 BATHROOM W/SINK



Number	Fixture Location (room # or description)
29	ROOM 211 BATHROOM W/SINK
30	ROOM 213 BATHROOM W/SINK
31	ROOM 214 BATHROOM W/SINK



C. Inoperable Fixture Inventory:

The CDWAA requires a list of the location(s) where a water outlet is shut off or rendered permanently inoperable.

Table 5: Fixture Not in Use

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
<i>Ex: 1</i>	<i>Bubbler in classroom 123 – water line shut off, will be permanently removed on 6/15/24</i>



D. Filter Maintenance Schedule:

The CDWAA requires a filter maintenance schedule. Use this form to track filter maintenance. It is recommended that drinking water filters are to be checked weekly to be sure they are operational, and the green status light is on. Filters/cartridges must be replaced according to manufacturer’s recommendations or if the RED filter status light is showing. Record the date and initials of the person who replaced the filter or cartridge.

Table 5: Filter Maintenance Schedule

Program/School Year: 2024/25

Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
STE-BFS-GYMHALL	LZSTL8WSSP_bilevel_BFS_w_QFCW										
STE-WC-CAFE	LZS8WSSP_single_BFS_w_QFCW										
STE-BFS-500WING	LZSTL8WSSP_bilevel_BFS_w_QFCW										
STE-BFS-300WING	EZFMTLK_bilevel_ezH2O_sideaccess_kit										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
STE-CFB-ROOM214	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-WC-200WING	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM213	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM211	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM302	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM304	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM306	New_Elkay_bu bbler_and_EF 3000VRBMC										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
STE-CFB-ROOM308	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM310	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM312	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM314	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM316	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM317	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM315	New_Elkay_bu bbler_and_EF 3000VRBMC										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
STE-CFB-ROOM313	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM406	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM408	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM409	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM410	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM501	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM503	New_Elkay_bu bbler_and_EF 3000VRBMC										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
STE-CFB-ROOM505	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM507	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM508	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM509	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM510	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM511	New_Elkay_bu bbler_and_EF 3000VRBMC										
STE-CFB-ROOM512	New_Elkay_bu bbler_and_EF 3000VRBMC										



E. Sampling Schedule:

Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet is required by the CDWAA. Proper sampling procedures must be followed. Sampling instructions can be found in the Appendix. Provide all results to EGLE, parents and guardians, staff, and the public upon request.

Results that are greater than 5 ppb (0.005 mg/L or 5 ug/L) SHALL be submitted to EGLE within 30 days of facility receipt of the results to the EGLE School and Child Care Water email EGLE-DWEHD-FilterFirst@michigan.gov and reported to families. Repeat results that are 1-5 ppb (0.001-0.005 mg/L or 1-5 ug/L) SHALL also be submitted to EGLE along with the make/model of filter and/or filter bottle-filling station. Check the result box for the unit reported by the laboratory.

Table 6: Annual Sampling Schedule

Program/School Year: 2024/25

Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>3/1/23</i>	<i>0</i>		
<i>Ex: 2</i>	<i>WE-101 CF</i>	<i>3/1/23</i>	<i>3</i>	<i>4/1/23</i>	<i>0</i>
1	STE-BFS-GYMHALL				
2	STE-WC-CAFE				
3	STE-BFS-500WING				
4	STE-BFS-300WING				
5	STE-CFB-ROOM214				
6	STE-WC-200WING				
7	STE-CFB-ROOM213				



Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
8	STE-CFB-ROOM211				
9	STE-CFB-ROOM302				
10	STE-CFB-ROOM304				
11	STE-CFB-ROOM306				
12	STE-CFB-ROOM308				
13	STE-CFB-ROOM310				
14	STE-CFB-ROOM312				
15	STE-CFB-ROOM314				
16	STE-CFB-ROOM316				
17	STE-CFB-ROOM317				
18	STE-CFB-ROOM315				
19	STE-CFB-ROOM313				
20	STE-CFB-ROOM406				
21	STE-CFB-ROOM408				
22	STE-CFB-ROOM409				
23	STE-CFB-ROOM410				
24	STE-CFB-ROOM501				



Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
25	STE-CFB-ROOM503				
26	STE-CFB-ROOM505				
27	STE-CFB-ROOM507				
28	STE-CFB-ROOM508				
29	STE-CFB-ROOM509				
30	STE-CFB-ROOM510				
31	STE-CFB-ROOM511				
32	STE-CFB-ROOM512				



Appendix A: Summary of the Clean Drinking Water Access Act (2023 PA 154)

These are the main regulatory elements of the CDWAA. You can read the Act in its entirety at Michigan.gov/FilterFirst.

1. Drinking Water Management Plan (DWMP)

- A. Within 15 months after the effective date of this act (by January 24, 2025), each school shall develop a drinking water management plan. The DWMP shall:
 - i. Be available upon request to EGLE, staff, parents/guardians, and public.
 - ii. Be reviewed and updated as needed, at least once every 5 years.
 - iii. Specify location of all water outlets used for human consumption.
 - 1. Specify location of filtered bottle-filling station (1/100 occupants)
 - 2. Specify location of filtered faucets.
 - iv. Specify location of all water outlets not used for consumption.
 - v. Specify location of water outlets that are shut off or rendered permanently inoperable.
 - vi. Develop a schedule for the regular replacement of the filter/filter cartridges for each filtered bottle-filling station and filtered faucet.
 - vii. Develop a schedule for sampling and testing of the filtered bottle-filling stations and filtered faucets for lead.

2. Testing for Lead

- A. Every filtered water outlet shall be sampled (through the filter) for lead once a year starting from the date filters have been installed and tested at a laboratory certified to analyze for lead.
- B. Laboratory test results shall be available upon request and recommend retaining by the school/district for at least 10 years.
- C. The following actions are to be taken upon review of the annual test results:
 - i. Test results not detecting lead (0 mg/L or 0 ug/L):
 - 1. Record and file the results.
 - 2. Share upon request.
 - ii. Test results detecting lead 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 - 1. Immediately check status of filter(s).
 - 2. Replace filter/cartridge if status light is yellow or red.



3. Ensure the filter is properly installed.
4. Resample and retest.
5. If re-test result is 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 - a. Send copy of result and the make/model of filter to EGLE.
 - b. Consult with EGLE or filter manufacturer.
- iii. Test results detecting more than 5 ppb (>0.005 mg/L or 5 ug/L):
 1. Immediately shut off or render the water outlet inoperable.
 2. Post a conspicuous sign near the outlet stating it is inoperable because of high lead concentration. Maintain the sign until actions have been taken to reduce the risk.
 3. Replace the filter/cartridge.
 4. Resample and retest the filtered water.
 5. Return the outlet to service if re-test result is not more than 5 ppb of lead.
 - a. If result is 1-5 ppb, follow 2cii above.
 - b. If result is >5 ppb, complete all the following:
 - i. Within 30 days after receiving the test results:
 - 1) Send a copy of test result(s) to EGLE.
 - 2) Send a notice to staff and parents/guardians that includes the amount of lead found in the water and information provided by EGLE on the health effects of lead exposure and ways to reduce childhood lead exposure.
 - ii. Develop a remediation plan in consultation with EGLE. The drinking water management plan must be updated to incorporate the remediation plan.

3. By the end of the 2025-2026 School Year, each school shall:

- A. Have filters on all consumptive fixtures.
- B. Install all filtered bottle-filling stations (1 station per 100 occupants).
- C. Shut off or render permanently inoperable any water outlet providing water for human consumption that is not a filtered bottle-filling station or filtered faucet.
- D. Not install a drinking fountain unless it is a filtered bottle-filling station with a filter status light.
- E. Submit annually a certification of compliance to EGLE that certifies that the school has complied with the requirements of this act (on a form and in a manner prescribed by EGLE).



Appendix B: Water Sampling Guidance & Instructions

1. The CDWAA requires routine sampling at all filtered fixtures every year. Sampling begins as soon as filters are installed to check the functionality of the device and annually thereafter. To ensure sample results represent typical daily use during the school year, do not collect the routine annual sample immediately after replacing the filter cartridge.
2. Develop a unique [Fixture Identification Code](#) for each consumptive fixture per instructions on pages 7-8 above.
3. Obtain 250 ml wide-mouth sample bottles from the laboratory that will be testing the sample(s).
4. Prevent water use in the building for at least 8 hours prior to sample collection.
 - a. Notify all school staff and building users (external groups)
 - b. Post signs or bag fixtures, lock building, lock rooms.
 - c. Do not allow water use during sample collection. That includes flushing toilets, handwashing, and cleaning.
 - d. Do not collect samples or send them to the laboratory if water has been used.
5. Collect the **first draw** of filtered water in a 250 mL sample bottle.
 - a. Do not let the water run before collection.
 - b. Record information and complete all necessary forms:
 - i. Laboratory chain-of-custody form
 - ii. Drinking Water Management Plan (Table 6: Annual Sampling Schedule)
 - c. Each filtered fixture may be sampled on the same day.
6. Samples must be delivered to a drinking water laboratory certified for lead and copper testing for the approved EPA method. A list of certified labs can be found at: [Lead-Copper-Certifications.pdf \(michigan.gov\)](#).
 - a. Get the samples to the laboratory as soon as possible. May be mailed or hand delivered.
 - b. Samples must be received by the laboratory within 14 days of sample collection.

Some labs report the test results in milligrams per liter (mg/L) and some in micrograms per liter (ug/L). Make sure to check the appropriate unit of measure reported by the lab in Table 6 (Annual Sampling Schedule).

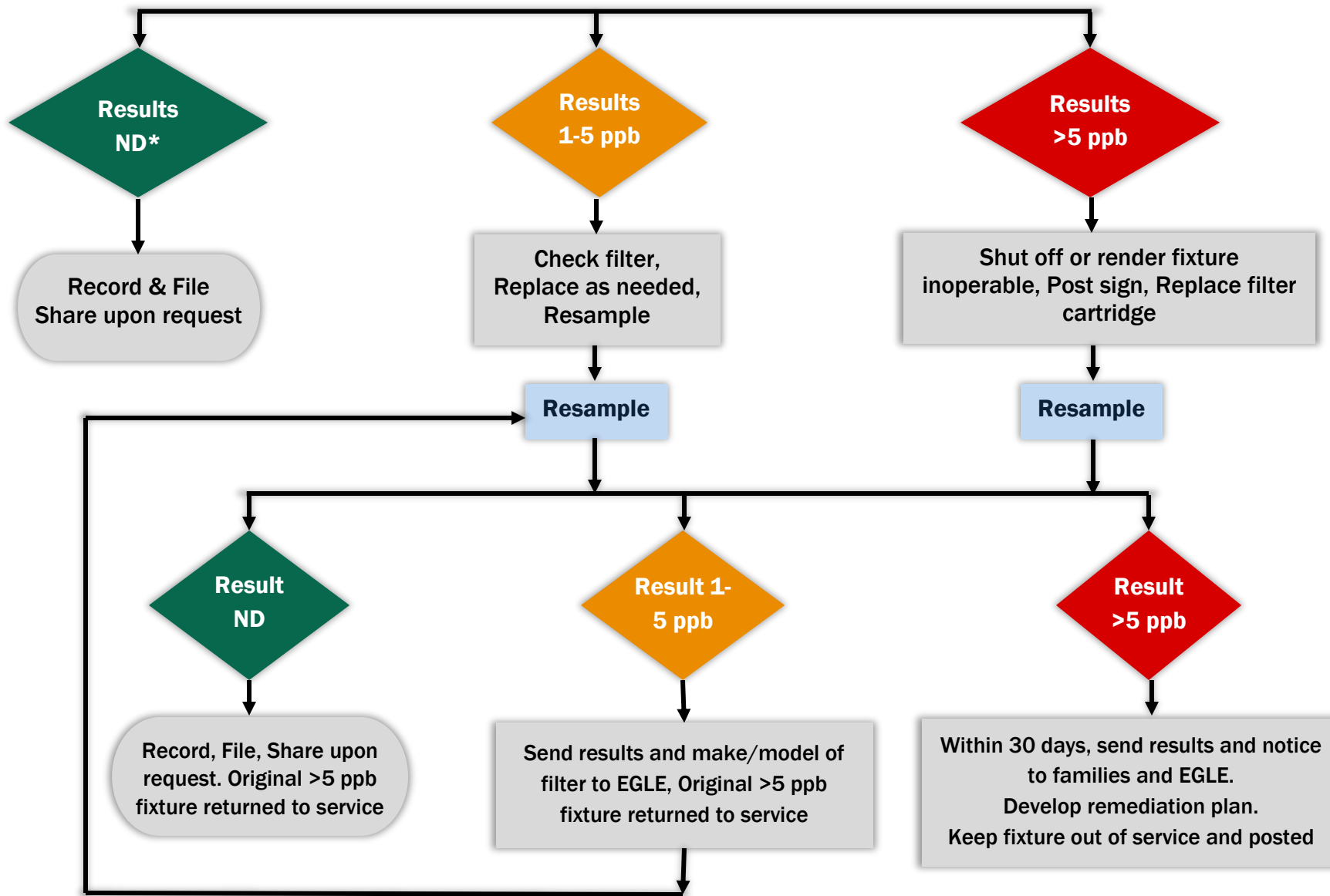


Immediate action is required by law if the test result is greater than 5 ug/L (5 ppb) or 0.005 mg/L (0.005 ppm). **Note:** 5 ug/L is the same as 5 parts per billion (5 ppb).

Results greater than 5 ppb or 0.005 ppm SHALL be submitted EGLE **within 30 days** of facility receipt of the results and notice provided to families, staff, and students.



Annual Sampling and Testing Result Actions



*ND = Not Detected



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY



Clean Drinking Water Access Act

Drinking Water Management Plan for Schools

Fountain Elementary Schools

School Building Name

1279

School Building Code

Roseville Community Schools

School District

Child Care License Number (if one exists within the school building)

Joseph Smith

Responsible Staff Name

586-445-5697

Responsible Staff Phone Number

2024/25

School Year Plan Date

August

Annual Sampling Month

Director of Buildings and Grounds

Responsible Staff Title

JSmith@Roseville.k12.mi.us

Responsible Staff Email Address

January 24, 2025

Update Plan Due-By Date

MI0005820

Public Water System ID (PWSID)*

*A PWSID is how a water supply is identified. A list of PWSIDs is available at Michigan.gov/FilterFirst.



The Michigan Department of Environment, Great Lakes, and Energy (EGLE) has created the Drinking Water Management Plan (DWMP) as a tool to maintain healthy and safe drinking water in the building throughout the year. This document is a template that may be used for the DWMP per the requirements of the Clean Drinking Water Access Act (CDWAA), 2023 PA 154. Schools may use this document or create their own plan, provided it includes all the required elements listed below. Individual forms for each required element may be found at Michigan.gov/FilterFirst.

Retain and utilize the DWMP. The first DWMP must be developed by January 24, 2025, and updated at a minimum of every 5 years per the CDWAA. Upon request, the DWMP shall be made available to EGLE, staff, parents and guardians, and the public.

The DWMP must include the following required elements:

1. The location of each consumptive water outlet (drinking, as a component of a food or beverage, rinsing foods, brushing teeth, making baby formula):
 - a. Location of filtered bottle-filling station (1/100 occupants of the building).
 - b. Location of filtered faucet (kitchens, nurse stations, preschool classrooms, teacher lounges).
2. The location where a water outlet will be maintained for purposes other than described above (nonconsumptive fixtures).
3. The location where a water outlet will be shut off or rendered permanently inoperable.
4. A schedule for when each of the following will occur:
 - a. Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet.
 - b. Regular replacement of the filter cartridge for each filtered bottle-filling station and filtered faucet in compliance with the manufacturer’s instructions or recommendations of EGLE.

Each school shall submit the CDWAA Certification Form that certifies the school has complied with the requirements of the CDWAA to EGLE on an annual basis by August 15. The certification form can be found at Michigan.gov/FilterFirst. All current required documents must be retained by the facility and submitted to EGLE if requested.



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To request this material in an alternate format, contact EGLE-Accessibility@Michigan.gov or 800-662-9278.



General Information

Key Terms:

Bubbler Fixture: A fixture on a drinking water fountain/water cooler through which water is forced up in a small arc from a nozzle that allows an individual to drink from the arc directly.

Consumption Water: Water used for drinking, component of food or beverage, or brushing teeth, rinsing food, and making baby formula.

Department: The Department of Environment, Great Lakes, and Energy (EGLE)

Drinking Fountain: An un-chilled plumbing fixture that is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.

Filtered Bottle-filling Station (also known as Hydration Station): An apparatus that is connected to building plumbing, filters water, is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal, has a light or other device to indicate filter cartridge performance, is designed to fill drinking bottles or other containers used for personal water consumption, and has a bubbler fixture that allows the user to drink directly from a stream of flowing water without the use of any accessory.

Filtered Faucet: A faucet that includes at the point of use a filter that is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal.

First Draw: The first 250 mL sample of water from a fixture after at least an 8-hour stagnation period.

Fund: School and child care center clean drinking water fund created in section 11 of PA 0154.

School: Public or nonpublic as defined in section 5 of the revised school code, 1976 PA 451, MCL 380.5.

Water Cooler: a plumbing fixture that chills the water and is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.



Acronyms:

- CDWAA**..... Clean Drinking Water Act
- DWMP**.....Drinking Water Management Plan
- EGLE** Michigan Department of Environment, Great Lakes, and Energy
- mg/L**..... Milligrams per liter (lab sample measure, same as one part per million)
- NSF/ANSI 42** National standard for particulate removal
- NSF/ANSI 53** National standard for lead reduction (must specify for lead)
- PN**..... Public Test Result Notification
- POE**..... Point of Entry (location the water enters the building)
- POU**..... Point of Use (the end of a faucet)
- ppb**..... Parts per billion (one part per billion of volume of a water sample)
- ppm**..... Parts per million (one part per million of volume of a water sample)
- PWSID** Public Water System ID (how a water supply is identified)
- µg/L**..... Micrograms per liter (lab sample measure, same as one ppb)

Maintenance Categories:

Preventive Maintenance: Planned and carried out on a regular basis to maintain and keep infrastructure in good condition.

Corrective Maintenance: Replacing or repairing something done incorrectly or needing change for improvement.

Emergency Maintenance: Reaction to a crisis or public complaints normally due to failure, malfunction, or breakdown of plumbing/equipment.

Periodic Maintenance: Infrequent actions needed, for example biannual, once in five years, etc.



Roles and Responsibilities:

List the names of school staff or third-party contractors who play a role or have responsibilities for following and executing the DWMP. May include contacts for filter and bottle fill station manufacturers/distributors.

Person's Name	Title or Company	Phone Number	Email Address	Role or Responsibility
Joe Smith	Director	586-445-5697	JSmith@roseville.k12.mi.us	Execution of the DWMP
Scott Sikorski	Coordinator	586-445-5699	SSikorski@roseville.k12.mi.us	Execution of the DWMP

Comments:



Fixture Identification Code Development Guidelines:

It is important to follow these guidelines to generate a unique fixture identification code (Fixture ID) for each fixture used for consumption to support: quick identification, fixture maintenance, sampling, matching test results to the sample, and reporting to EGLE when necessary (Note: adhering to this coding system now will save time in the future when reporting to EGLE’s on-line electronic data collection system, will promote consistency, and reduce sample confusion).

The following table lists the fixture type codes that are used for compliance sampling and reporting purposes to EGLE.

Table 1: Fixture Type Codes

Code	Fixture Type
<i>B</i>	Bubbler outlet on the bottle fill unit (hydration station)
<i>BF</i>	Bottle fill outlet
<i>CF</i>	Classroom faucet
<i>DF</i>	Drinking Fountain
<i>IM</i>	Ice machine
<i>KF</i>	Kitchen faucet
<i>KK</i>	Kitchen kettle-fill
<i>NS</i>	Nurses sink faucet
<i>OT</i>	Other faucet used for consumption (in a break room, office, library, etc.)
<i>RF</i>	Restroom faucet (used for consumption)
<i>SC</i>	Service Connection (Tap closest to the service line)
<i>TL</i>	Teachers’ lounge faucet
<i>WC</i>	Water Cooler (plug-in chiller unit/ refrigerated unit)



Generating the fixture identification code:

The Fixture ID should be long enough to identify the building, location, and fixture type, but not too long that the laboratory reporting cuts off some of the code (maximum of 20 for State Laboratory reports). The Fixture ID is created as follows:

1. The Fixture ID code starts with 2-3 letters for the building name.
 - a. Example: West Elementary = WE
 - b. Example: Wilson High School = WHS
2. The middle part of the Fixture ID code is the location.
 - a. Example: Room 110 = 110
 - b. Example: West wall of the Gym = WGym
 - c. Example: East wall of the Gym = EGym
 - d. Example: Second floor hallway by room 201 = 2FH201 or 201HALL
3. The last part of the Fixture ID code is the fixture type found on Table 1 above. Adhering to these codes is needed for reporting consistency and statistical analysis.

If following the EGLE coding system, dashes in between the three sections must be used.

Below are examples of complete Fixture ID codes for some fixtures in one building:

- | | | |
|---------------|-----------------|--------------|
| 1. WE-110-CF | 4. WE-2FH201-BF | 7. WE-KIT-IM |
| 2. WE-WGYM-BF | 5. WE-2FH201-WC | 8. WE-150-TL |
| 3. WE-WGYM-WC | 6. WE-KIT-KF | 9. WE-100-NS |

Example for bottle-filling stations (include a bottle-filling outlet and bubbler outlet)

1. WE-BF1-BF (bottle fill) and
2. WE-BF1-WC (bubbler outlet of unit)
3. WEC-BF1WC-WC (the bubbler outlet of an ADA compliant cooler next to the station).

If you have multiple bottle-filling units in the building halls, the middle part of the code can designate the unit number, starting with the unit closest to the water point of entry into the building. Exact location will be recorded on the inventory list and may also be located on a floor plan/map.

1. WE-BF1-BF and WE-BF1-WC
2. WE-BF2-BF and WE-BF2-WC
3. WE-BF3-BF and WE-BF3-WC
4. WE-BF4-BF and WE-BF4-WC and WE-BF4WC-WC (for the ADA water cooler next to the bottle-filling unit).



Forms (retain until updated or 5-year revision – submit only if requested by EGLE)

Separate inventory sheets can be found at Michigan.gov/SchoolWater.

A. Consumptive Fixture Inventory:

The CDWAA requires every consumptive fixture in a building to be identified and location recorded. The category of each consumptive fixture should be specified as a filtered bottle-filling station or filtered faucet. “Number” is the order of sampling starting at the fixture closest to the water POE into the building. List here, include additional pages if needed, update as needed and keep a copy for your records.

Table 2: Filtered Fixture Inventory

Program/School Year: 2024/25

Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>Preschool room 100</i>	<i>ABC FM-2000B</i>	<i>Filtered faucet</i>
<i>Ex: 2</i>	<i>WE-203H-BF</i>	<i>2nd floor hall by room 203</i>	<i>XYZ FM-2000A</i>	<i>Filtered bottle-filling station</i>
<i>Ex: 3</i>	<i>WE-203-WC</i>	<i>2nd floor hall by room 203</i>	<i>XYC FM-2000A</i>	<i>Filtered bottle-filling station</i>
1	FOU-BFS-GYMHALL	Gym hall	K_BILEVEL	Bottle Fill
2	FOU-BFS-DOOR10	Door #10	K_SINGLE	Water Cooler
3	FOU-CF-ARTROOM	Art Room	BUBBLER_AND_FAUCET	Classroom Faucet
4	FOU-BFS-OUTSIDECAFE	Outside cafeteria	K_SINGLE	Bottle Fill
5	FOU-BFS-300HALL	300 hall	K_SINGLE	Water Cooler
6	FOU-BFS-MAINHALL	Main hall	K_SINGLE	Bottle Fill
7	FOU-BFS-500HALL	500 hall	K_SINGLE	Water Cooler
8	FOU-CF-ROOM110	ROOM 110	BUBBLER_AND_FAUCET	Classroom Faucet
9	FOU-CF-ROOM111	ROOM 111	BUBBLER_AND_FAUCET	Classroom Faucet



Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
10	FOU-CF-ROOM112	ROOM 112	BUBBLER_AND_FAUCET	Classroom Faucet
11	FOU-CF-ROOM113	ROOM 113	BUBBLER_AND_FAUCET	Classroom Faucet
12	FOU-CF-ROOM301	ROOM 301	BUBBLER_AND_FAUCET	Classroom Faucet
13	FOU-CF-ROOM302	ROOM 302	BUBBLER_AND_FAUCET	Classroom Faucet
14	FOU-CF-ROOM303	ROOM 303	BUBBLER_AND_FAUCET	Classroom Faucet
15	FOU-CF-ROOM304	ROOM 304	BUBBLER_AND_FAUCET	Classroom Faucet
16	FOU-CF-ROOM305	ROOM 305	BUBBLER_AND_FAUCET	Classroom Faucet
17	FOU-CF-ROOM306	ROOM 306	BUBBLER_AND_FAUCET	Classroom Faucet



B. Non-Consumptive Fixture Inventory:

The CDWAA requires every non-consumptive fixture in a building to be identified and recorded. Specify the location where a water outlet will be maintained for purposes other than drinking or addition to food or beverages. “Number” is the order of fixtures starting with the fixture closest to the water POE into the building. Include additional pages if needed, update as needed and keep a copy for your records. Note: Nonconsumptive fixtures in a kitchen are those for hand or dish washing and not water used as an addition to a food for food preparation.

Table 3 : Non-Consumptive Fixture Inventory

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
1	BATHROOMS (12)
2	ROOM 113 BATHROOM SINK
3	ROOM 111 BATHROOM SINK
4	ROOM 112 BATHROOM SINK
5	ROOM 110 BATHROOM SINK
6	ROOM 301 BATHROOM SINK
7	ROOM 302 BATHROOM SINK
8	ROOM 303 BATHROOM SINK
9	ROOM 304 BATHROOM SINK
10	ROOM 305 BATHROOM SINK
11	ROOM 306 BATHROOM SINK
12	ROOM 206 SINK



C. Inoperable Fixture Inventory:

The CDWAA requires a list of the location(s) where a water outlet is shut off or rendered permanently inoperable.

Table 5: Fixture Not in Use

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
<i>Ex: 1</i>	<i>Bubbler in classroom 123 – water line shut off, will be permanently removed on 6/15/24</i>



D. Filter Maintenance Schedule:

The CDWAA requires a filter maintenance schedule. Use this form to track filter maintenance. It is recommended that drinking water filters are to be checked weekly to be sure they are operational, and the green status light is on. Filters/cartridges must be replaced according to manufacturer’s recommendations or if the RED filter status light is showing. Record the date and initials of the person who replaced the filter or cartridge.

Table 5: Filter Maintenance Schedule

Program/School Year: 2024/25

Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
FOU-BFS-GYMHALL	EZFMTLK_bilevel_ezH2O_sideaccess_kit										
FOU-BFS-DOOR10	LZS8WSSP_single_BFS_w_QFCW										
FOU-CF-ARTROOM	New_Elkay_bubbler_and_EF3000VRBMC										
FOU-BFS-OUTSIDECAFES	EZFMK_single_ezH2O_sideaccess_kit										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
FOU-BFS-300HALL	LZS8WSSP_single_BFS_w_QFCW										
FOU-BFS-MAINHALL	EZFMK_single_ezH2O_sideaccess_kit										
FOU-BFS-500HALL	LZS8WSSP_single_BFS_w_QFCW										
FOU-CF-ROOM110	New_Elkay_bubbler_and_EF3000VRBMC										
FOU-CF-ROOM111	New_Elkay_bubbler_and_EF3000VRBMC										
FOU-CF-ROOM112	New_Elkay_bubbler_and_EF3000VRBMC										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
FOU-CF-ROOM113	New_Elkay_bu bbler_and_EF 3000VRBMC										
FOU-CF-ROOM301	New_Elkay_bu bbler_and_EF 3000VRBMC										
FOU-CF-ROOM302	New_Elkay_bu bbler_and_EF 3000VRBMC										
FOU-CF-ROOM303	New_Elkay_bu bbler_and_EF 3000VRBMC										
FOU-CF-ROOM304	New_Elkay_bu bbler_and_EF 3000VRBMC										
FOU-CF-ROOM305	New_Elkay_bu bbler_and_EF 3000VRBMC										
FOU-CF-ROOM306	New_Elkay_bu bbler_and_EF 3000VRBMC										



E. Sampling Schedule:

Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet is required by the CDWAA. Proper sampling procedures must be followed. Sampling instructions can be found in the Appendix. Provide all results to EGLE, parents and guardians, staff, and the public upon request.

Results that are greater than 5 ppb (0.005 mg/L or 5 ug/L) SHALL be submitted to EGLE within 30 days of facility receipt of the results to the EGLE School and Child Care Water email EGLE-DWEHD-FilterFirst@michigan.gov and reported to families. Repeat results that are 1-5 ppb (0.001-0.005 mg/L or 1-5 ug/L) SHALL also be submitted to EGLE along with the make/model of filter and/or filter bottle-filling station. Check the result box for the unit reported by the laboratory.

Table 6: Annual Sampling Schedule

Program/School Year: 2024/25

Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>3/1/23</i>	<i>0</i>		
<i>Ex: 2</i>	<i>WE-101 CF</i>	<i>3/1/23</i>	<i>3</i>	<i>4/1/23</i>	<i>0</i>
1	FOU-BFS-GYMHALL				
2	FOU-BFS-DOOR10				
3	FOU-CF-ARTROOM				
4	FOU-BFS-OUTSIDECAFE				
5	FOU-BFS-300HALL				
6	FOU-BFS-MAINHALL				
7	FOU-BFS-500HALL				



Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
8	FOU-CF-ROOM110				
9	FOU-CF-ROOM111				
10	FOU-CF-ROOM112				
11	FOU-CF-ROOM113				
12	FOU-CF-ROOM301				
13	FOU-CF-ROOM302				
14	FOU-CF-ROOM303				
15	FOU-CF-ROOM304				
16	FOU-CF-ROOM305				
17	FOU-CF-ROOM306				



Appendix A: Summary of the Clean Drinking Water Access Act (2023 PA 154)

These are the main regulatory elements of the CDWAA. You can read the Act in its entirety at Michigan.gov/FilterFirst.

1. Drinking Water Management Plan (DWMP)

- A. Within 15 months after the effective date of this act (by January 24, 2025), each school shall develop a drinking water management plan. The DWMP shall:
 - i. Be available upon request to EGLE, staff, parents/guardians, and public.
 - ii. Be reviewed and updated as needed, at least once every 5 years.
 - iii. Specify location of all water outlets used for human consumption.
 1. Specify location of filtered bottle-filling station (1/100 occupants)
 2. Specify location of filtered faucets.
 - iv. Specify location of all water outlets not used for consumption.
 - v. Specify location of water outlets that are shut off or rendered permanently inoperable.
 - vi. Develop a schedule for the regular replacement of the filter/filter cartridges for each filtered bottle-filling station and filtered faucet.
 - vii. Develop a schedule for sampling and testing of the filtered bottle-filling stations and filtered faucets for lead.

2. Testing for Lead

- A. Every filtered water outlet shall be sampled (through the filter) for lead once a year starting from the date filters have been installed and tested at a laboratory certified to analyze for lead.
- B. Laboratory test results shall be available upon request and recommend retaining by the school/district for at least 10 years.
- C. The following actions are to be taken upon review of the annual test results:
 - i. Test results not detecting lead (0 mg/L or 0 ug/L):
 1. Record and file the results.
 2. Share upon request.
 - ii. Test results detecting lead 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 1. Immediately check status of filter(s).
 2. Replace filter/cartridge if status light is yellow or red.



3. Ensure the filter is properly installed.
4. Resample and retest.
5. If re-test result is 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 - a. Send copy of result and the make/model of filter to EGLE.
 - b. Consult with EGLE or filter manufacturer.
- iii. Test results detecting more than 5 ppb (>0.005 mg/L or 5 ug/L):
 1. Immediately shut off or render the water outlet inoperable.
 2. Post a conspicuous sign near the outlet stating it is inoperable because of high lead concentration. Maintain the sign until actions have been taken to reduce the risk.
 3. Replace the filter/cartridge.
 4. Resample and retest the filtered water.
 5. Return the outlet to service if re-test result is not more than 5 ppb of lead.
 - a. If result is 1-5 ppb, follow 2cii above.
 - b. If result is >5 ppb, complete all the following:
 - i. Within 30 days after receiving the test results:
 - 1) Send a copy of test result(s) to EGLE.
 - 2) Send a notice to staff and parents/guardians that includes the amount of lead found in the water and information provided by EGLE on the health effects of lead exposure and ways to reduce childhood lead exposure.
 - ii. Develop a remediation plan in consultation with EGLE. The drinking water management plan must be updated to incorporate the remediation plan.

3. By the end of the 2025-2026 School Year, each school shall:

- A. Have filters on all consumptive fixtures.
- B. Install all filtered bottle-filling stations (1 station per 100 occupants).
- C. Shut off or render permanently inoperable any water outlet providing water for human consumption that is not a filtered bottle-filling station or filtered faucet.
- D. Not install a drinking fountain unless it is a filtered bottle-filling station with a filter status light.
- E. Submit annually a certification of compliance to EGLE that certifies that the school has complied with the requirements of this act (on a form and in a manner prescribed by EGLE).



Appendix B: Water Sampling Guidance & Instructions

1. The CDWAA requires routine sampling at all filtered fixtures every year. Sampling begins as soon as filters are installed to check the functionality of the device and annually thereafter. To ensure sample results represent typical daily use during the school year, do not collect the routine annual sample immediately after replacing the filter cartridge.
2. Develop a unique [Fixture Identification Code](#) for each consumptive fixture per instructions on pages 7-8 above.
3. Obtain 250 ml wide-mouth sample bottles from the laboratory that will be testing the sample(s).
4. Prevent water use in the building for at least 8 hours prior to sample collection.
 - a. Notify all school staff and building users (external groups)
 - b. Post signs or bag fixtures, lock building, lock rooms.
 - c. Do not allow water use during sample collection. That includes flushing toilets, handwashing, and cleaning.
 - d. Do not collect samples or send them to the laboratory if water has been used.
5. Collect the **first draw** of filtered water in a 250 mL sample bottle.
 - a. Do not let the water run before collection.
 - b. Record information and complete all necessary forms:
 - i. Laboratory chain-of-custody form
 - ii. Drinking Water Management Plan (Table 6: Annual Sampling Schedule)
 - c. Each filtered fixture may be sampled on the same day.
6. Samples must be delivered to a drinking water laboratory certified for lead and copper testing for the approved EPA method. A list of certified labs can be found at: [Lead-Copper-Certifications.pdf \(michigan.gov\)](#).
 - a. Get the samples to the laboratory as soon as possible. May be mailed or hand delivered.
 - b. Samples must be received by the laboratory within 14 days of sample collection.

Some labs report the test results in milligrams per liter (mg/L) and some in micrograms per liter (ug/L). Make sure to check the appropriate unit of measure reported by the lab in Table 6 (Annual Sampling Schedule).

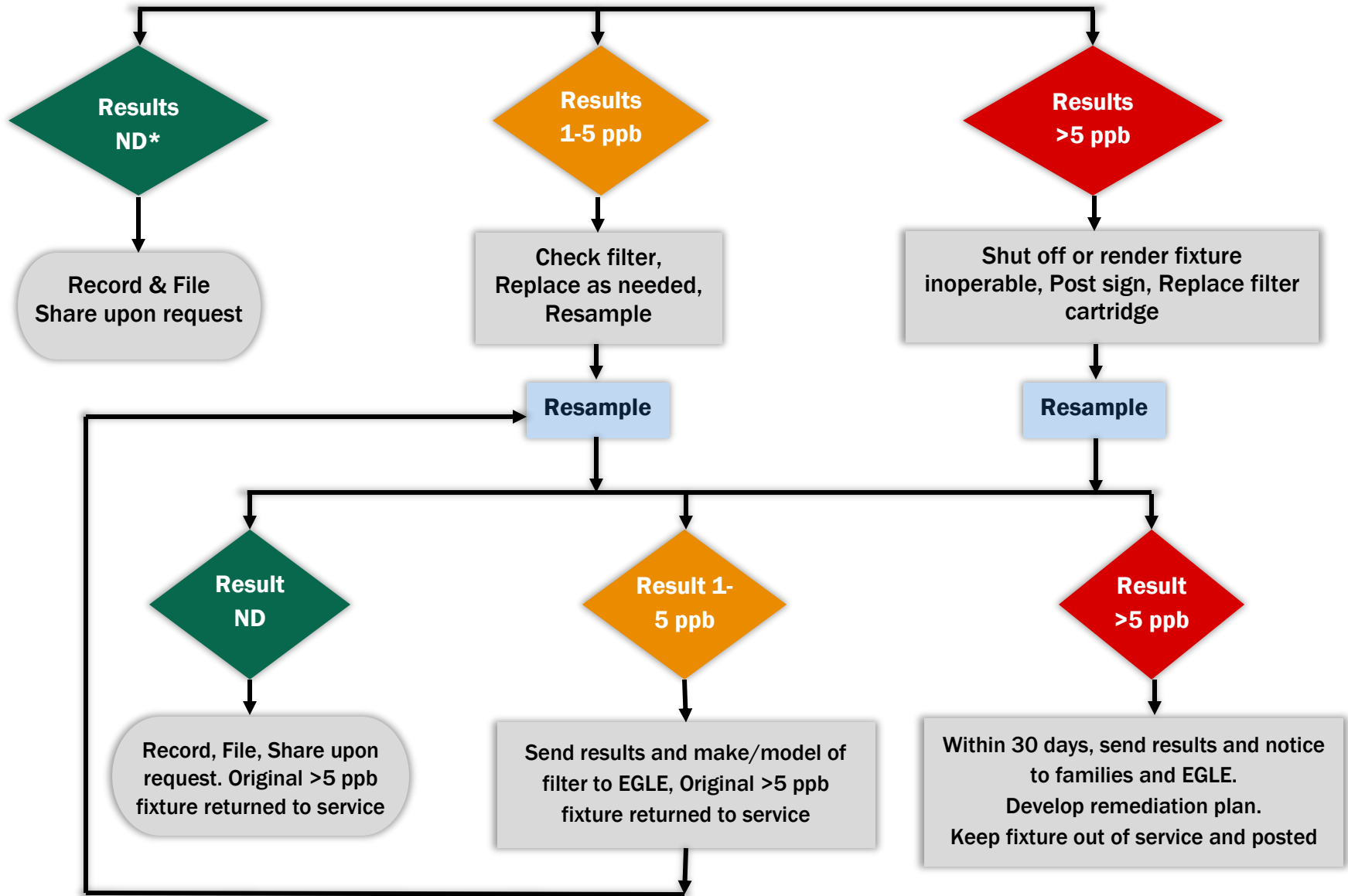


Immediate action is required by law if the test result is greater than 5 ug/L (5 ppb) or 0.005 mg/L (0.005 ppm). **Note:** 5 ug/L is the same as 5 parts per billion (5 ppb).

Results greater than 5 ppb or 0.005 ppm SHALL be submitted EGLE **within 30 days** of facility receipt of the results and notice provided to families, staff, and students.



Annual Sampling and Testing Result Actions



*ND = Not Detected



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY



Clean Drinking Water Access Act

Drinking Water Management Plan for Schools

Patton Elementary School

School Building Name

2278

School Building Code

Roseville Community Schools

School District

Child Care License Number (if one exists within the school building)

Joseph Smith

Responsible Staff Name

586-445-5697

Responsible Staff Phone Number

2024/25

School Year Plan Date

August

Annual Sampling Month

Director of Buildings and Grounds

Responsible Staff Title

JSmith@Roseville.k12.mi.us

Responsible Staff Email Address

January 24, 2025

Update Plan Due-By Date

MI0005820

Public Water System ID (PWSID)*

*A PWSID is how a water supply is identified. A list of PWSIDs is available at Michigan.gov/FilterFirst.



The Michigan Department of Environment, Great Lakes, and Energy (EGLE) has created the Drinking Water Management Plan (DWMP) as a tool to maintain healthy and safe drinking water in the building throughout the year. This document is a template that may be used for the DWMP per the requirements of the Clean Drinking Water Access Act (CDWAA), 2023 PA 154. Schools may use this document or create their own plan, provided it includes all the required elements listed below. Individual forms for each required element may be found at Michigan.gov/FilterFirst.

Retain and utilize the DWMP. The first DWMP must be developed by January 24, 2025, and updated at a minimum of every 5 years per the CDWAA. Upon request, the DWMP shall be made available to EGLE, staff, parents and guardians, and the public.

The DWMP must include the following required elements:

1. The location of each consumptive water outlet (drinking, as a component of a food or beverage, rinsing foods, brushing teeth, making baby formula):
 - a. Location of filtered bottle-filling station (1/100 occupants of the building).
 - b. Location of filtered faucet (kitchens, nurse stations, preschool classrooms, teacher lounges).
2. The location where a water outlet will be maintained for purposes other than described above (nonconsumptive fixtures).
3. The location where a water outlet will be shut off or rendered permanently inoperable.
4. A schedule for when each of the following will occur:
 - a. Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet.
 - b. Regular replacement of the filter cartridge for each filtered bottle-filling station and filtered faucet in compliance with the manufacturer’s instructions or recommendations of EGLE.

Each school shall submit the CDWAA Certification Form that certifies the school has complied with the requirements of the CDWAA to EGLE on an annual basis by August 15. The certification form can be found at Michigan.gov/FilterFirst. All current required documents must be retained by the facility and submitted to EGLE if requested.



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To request this material in an alternate format, contact EGLE-Accessibility@Michigan.gov or 800-662-9278.



General Information

Key Terms:

Bubbler Fixture: A fixture on a drinking water fountain/water cooler through which water is forced up in a small arc from a nozzle that allows an individual to drink from the arc directly.

Consumption Water: Water used for drinking, component of food or beverage, or brushing teeth, rinsing food, and making baby formula.

Department: The Department of Environment, Great Lakes, and Energy (EGLE)

Drinking Fountain: An un-chilled plumbing fixture that is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.

Filtered Bottle-filling Station (also known as Hydration Station): An apparatus that is connected to building plumbing, filters water, is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal, has a light or other device to indicate filter cartridge performance, is designed to fill drinking bottles or other containers used for personal water consumption, and has a bubbler fixture that allows the user to drink directly from a stream of flowing water without the use of any accessory.

Filtered Faucet: A faucet that includes at the point of use a filter that is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal.

First Draw: The first 250 mL sample of water from a fixture after at least an 8-hour stagnation period.

Fund: School and child care center clean drinking water fund created in section 11 of PA 0154.

School: Public or nonpublic as defined in section 5 of the revised school code, 1976 PA 451, MCL 380.5.

Water Cooler: a plumbing fixture that chills the water and is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.



Acronyms:

- CDWAA**..... Clean Drinking Water Act
- DWMP**.....Drinking Water Management Plan
- EGLE** Michigan Department of Environment, Great Lakes, and Energy
- mg/L**..... Milligrams per liter (lab sample measure, same as one part per million)
- NSF/ANSI 42** National standard for particulate removal
- NSF/ANSI 53** National standard for lead reduction (must specify for lead)
- PN**..... Public Test Result Notification
- POE**..... Point of Entry (location the water enters the building)
- POU**..... Point of Use (the end of a faucet)
- ppb**..... Parts per billion (one part per billion of volume of a water sample)
- ppm**..... Parts per million (one part per million of volume of a water sample)
- PWSID** Public Water System ID (how a water supply is identified)
- µg/L**..... Micrograms per liter (lab sample measure, same as one ppb)

Maintenance Categories:

Preventive Maintenance: Planned and carried out on a regular basis to maintain and keep infrastructure in good condition.

Corrective Maintenance: Replacing or repairing something done incorrectly or needing change for improvement.

Emergency Maintenance: Reaction to a crisis or public complaints normally due to failure, malfunction, or breakdown of plumbing/equipment.

Periodic Maintenance: Infrequent actions needed, for example biannual, once in five years, etc.



Roles and Responsibilities:

List the names of school staff or third-party contractors who play a role or have responsibilities for following and executing the DWMP. May include contacts for filter and bottle fill station manufacturers/distributors.

Person's Name	Title or Company	Phone Number	Email Address	Role or Responsibility
Joe Smith	Director	586-445-5697	JSmith@roseville.k12.mi.us	Execution of the DWMP
Scott Sikorski	Coordinator	586-445-5699	SSikorski@roseville.k12.mi.us	Execution of the DWMP

Comments:



Fixture Identification Code Development Guidelines:

It is important to follow these guidelines to generate a unique fixture identification code (Fixture ID) for each fixture used for consumption to support: quick identification, fixture maintenance, sampling, matching test results to the sample, and reporting to EGLE when necessary (Note: adhering to this coding system now will save time in the future when reporting to EGLE’s on-line electronic data collection system, will promote consistency, and reduce sample confusion).

The following table lists the fixture type codes that are used for compliance sampling and reporting purposes to EGLE.

Table 1: Fixture Type Codes

Code	Fixture Type
B	Bubbler outlet on the bottle fill unit (hydration station)
BF	Bottle fill outlet
CF	Classroom faucet
DF	Drinking Fountain
IM	Ice machine
KF	Kitchen faucet
KK	Kitchen kettle-fill
NS	Nurses sink faucet
OT	Other faucet used for consumption (in a break room, office, library, etc.)
RF	Restroom faucet (used for consumption)
SC	Service Connection (Tap closest to the service line)
TL	Teachers’ lounge faucet
WC	Water Cooler (plug-in chiller unit/ refrigerated unit)



Generating the fixture identification code:

The Fixture ID should be long enough to identify the building, location, and fixture type, but not too long that the laboratory reporting cuts off some of the code (maximum of 20 for State Laboratory reports). The Fixture ID is created as follows:

1. The Fixture ID code starts with 2-3 letters for the building name.
 - a. Example: West Elementary = WE
 - b. Example: Wilson High School = WHS
2. The middle part of the Fixture ID code is the location.
 - a. Example: Room 110 = 110
 - b. Example: West wall of the Gym = WGym
 - c. Example: East wall of the Gym = EGym
 - d. Example: Second floor hallway by room 201 = 2FH201 or 201HALL
3. The last part of the Fixture ID code is the fixture type found on Table 1 above. Adhering to these codes is needed for reporting consistency and statistical analysis.

If following the EGLE coding system, dashes in between the three sections must be used.

Below are examples of complete Fixture ID codes for some fixtures in one building:

- | | | |
|---------------|-----------------|--------------|
| 1. WE-110-CF | 4. WE-2FH201-BF | 7. WE-KIT-IM |
| 2. WE-WGYM-BF | 5. WE-2FH201-WC | 8. WE-150-TL |
| 3. WE-WGYM-WC | 6. WE-KIT-KF | 9. WE-100-NS |

Example for bottle-filling stations (include a bottle-filling outlet and bubbler outlet)

1. WE-BF1-BF (bottle fill) and
2. WE-BF1-WC (bubbler outlet of unit)
3. WEC-BF1WC-WC (the bubbler outlet of an ADA compliant cooler next to the station).

If you have multiple bottle-filling units in the building halls, the middle part of the code can designate the unit number, starting with the unit closest to the water point of entry into the building. Exact location will be recorded on the inventory list and may also be located on a floor plan/map.

1. WE-BF1-BF and WE-BF1-WC
2. WE-BF2-BF and WE-BF2-WC
3. WE-BF3-BF and WE-BF3-WC
4. WE-BF4-BF and WE-BF4-WC and WE-BF4WC-WC (for the ADA water cooler next to the bottle-filling unit).



Forms (retain until updated or 5-year revision – submit only if requested by EGLE)

Separate inventory sheets can be found at Michigan.gov/SchoolWater.

A. Consumptive Fixture Inventory:

The CDWAA requires every consumptive fixture in a building to be identified and location recorded. The category of each consumptive fixture should be specified as a filtered bottle-filling station or filtered faucet. “Number” is the order of sampling starting at the fixture closest to the water POE into the building. List here, include additional pages if needed, update as needed and keep a copy for your records.

Table 2: Filtered Fixture Inventory

Program/School Year: 2024/25

Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>Preschool room 100</i>	<i>ABC FM-2000B</i>	<i>Filtered faucet</i>
<i>Ex: 2</i>	<i>WE-203H-BF</i>	<i>2nd floor hall by room 203</i>	<i>XYZ FM-2000A</i>	<i>Filtered bottle-filling station</i>
<i>Ex: 3</i>	<i>WE-203-WC</i>	<i>2nd floor hall by room 203</i>	<i>XYC FM-2000A</i>	<i>Filtered bottle-filling station</i>
1	PAT-BFS-MAINGYMHALL	Main hall by gym	K_BILEVEL	Bottle Fill
2	PAT-CFB-ROOM 101	Room 101	BUBBLER_AND_FAUCET	Classroom Faucet
3	PAT-WC-MAINHALLDR31	Main hall door #3 #1	OTHER_SINGLE_BRAND	Water Cooler
4	PAT-WC-MAINHALLDR32	Main hall door #3 #2	OTHER_SINGLE_BRAND	Water Cooler
5	PAT-CFB-ROOM 102	Room 102	BUBBLER_AND_FAUCET	Classroom Faucet
6	PAT-CFB-ROOM 103	Room 103	BUBBLER_AND_FAUCET	Classroom Faucet
7	PAT-CFB-ROOM 104	Room 104	BUBBLER_AND_FAUCET	Classroom Faucet
8	PAT-CFB-ROOM 105	Room 105	BUBBLER_AND_FAUCET	Classroom Faucet
9	PAT-CFB-ROOM 106	Room 106	BUBBLER_AND_FAUCET	Classroom Faucet



Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
10	PAT-CFB-ROOM 107	Room 107	BUBBLER_AND_FAUCET	Classroom Faucet
11	PAT-CFB-ROOM 108	Room 108	BUBBLER_AND_FAUCET	Classroom Faucet
12	PAT-CFB-ROOM 110	Room 110	BUBBLER_AND_FAUCET	Classroom Faucet
13	PAT-CFB-ROOM 111	Room 111	BUBBLER_AND_FAUCET	Classroom Faucet
14	PAT-CFB-ROOM 112	Room 112	BUBBLER_AND_FAUCET	Classroom Faucet
15	PAT-CFB-ROOM 113	Room 113	BUBBLER_AND_FAUCET	Classroom Faucet



B. Non-Consumptive Fixture Inventory:

The CDWAA requires every non-consumptive fixture in a building to be identified and recorded. Specify the location where a water outlet will be maintained for purposes other than drinking or addition to food or beverages. “Number” is the order of fixtures starting with the fixture closest to the water POE into the building. Include additional pages if needed, update as needed and keep a copy for your records. Note: Nonconsumptive fixtures in a kitchen are those for hand or dish washing and not water used as an addition to a food for food preparation.

Table 3 : Non-Consumptive Fixture Inventory

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
<i>Ex: 1</i>	<i>Hand sink faucet in classroom 203 (handwashing only sign posted)</i>
1	BATHROOMS (6)
2	ROOM 101 BATHROOM W/SINK
3	ROOM 102 BATHROOM W/SINK
4	TEACHER LOUNGE SINK
5	ROOM 104 BATHROOM W/SINK
6	ROOM 103 BATHROOM W/SINK
7	ROOM 110 BATHROOM W/SINK
8	ROOM 111 BATHROOM W/SINK
9	ROOM 112 BATHROOM W/SINK
10	ROOM 113 BATHROOM W/SINK
11	KITCHEN SINK



Number	Fixture Location (room # or description)
12	ROOM 105 BATHROOM W/SINK
13	ROOM 107 BATHROOM W/SINK
14	ROOM 108 BATHROOM W/SINK
15	ROOM 106 BATHROOM W/SINK



C. Inoperable Fixture Inventory:

The CDWAA requires a list of the location(s) where a water outlet is shut off or rendered permanently inoperable.

Table 5: Fixture Not in Use

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
<i>Ex: 1</i>	<i>Bubbler in classroom 123 – water line shut off, will be permanently removed on 6/15/24</i>





D. Filter Maintenance Schedule:

The CDWAA requires a filter maintenance schedule. Use this form to track filter maintenance. It is recommended that drinking water filters are to be checked weekly to be sure they are operational, and the green status light is on. Filters/cartridges must be replaced according to manufacturer’s recommendations or if the RED filter status light is showing. Record the date and initials of the person who replaced the filter or cartridge.

Table 5: Filter Maintenance Schedule

Program/School Year: 2024/25

Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
PAT-BFS-MAINGYM HALL	EZFMTLK_bilevel_ezH2O_sideaccess_kit										
PAT-CFB-ROOM 101	New_Elkay_bubbler_and_EF3000VRBMC										
PAT-WC-MAINHALL DR31	LZS8WSSP_single_BFS_w_QFCW										
PAT-WC-MAINHALL DR32	LZS8WSSP_single_BFS_w_QFCW										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
PAT-CFB-ROOM 102	New_Elkay_bu bbler_and_EF 3000VRBMC										
PAT-CFB-ROOM 103	New_Elkay_bu bbler_and_EF 3000VRBMC										
PAT-CFB-ROOM 104	New_Elkay_bu bbler_and_EF 3000VRBMC										
PAT-CFB-ROOM 105	New_Elkay_bu bbler_and_EF 3000VRBMC										
PAT-CFB-ROOM 106	New_Elkay_bu bbler_and_EF 3000VRBMC										
PAT-CFB-ROOM 107	New_Elkay_bu bbler_and_EF 3000VRBMC										
PAT-CFB-ROOM 108	New_Elkay_bu bbler_and_EF 3000VRBMC										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
PAT-CFB-ROOM 110	New_Elkay_bubbler_and_EF3000VRBMC										
PAT-CFB-ROOM 111	New_Elkay_bubbler_and_EF3000VRBMC										
PAT-CFB-ROOM 112	New_Elkay_bubbler_and_EF3000VRBMC										
PAT-CFB-ROOM 113	New_Elkay_bubbler_and_EF3000VRBMC										



E. Sampling Schedule:

Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet is required by the CDWAA. Proper sampling procedures must be followed. Sampling instructions can be found in the Appendix. Provide all results to EGLE, parents and guardians, staff, and the public upon request.

Results that are greater than 5 ppb (0.005 mg/L or 5 ug/L) SHALL be submitted to EGLE within 30 days of facility receipt of the results to the EGLE School and Child Care Water email EGLE-DWEHD-FilterFirst@michigan.gov and reported to families. Repeat results that are 1-5 ppb (0.001-0.005 mg/L or 1-5 ug/L) SHALL also be submitted to EGLE along with the make/model of filter and/or filter bottle-filling station. Check the result box for the unit reported by the laboratory.

Table 6: Annual Sampling Schedule

Program/School Year: 2024/25

Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>3/1/23</i>	<i>0</i>		
<i>Ex: 2</i>	<i>WE-101 CF</i>	<i>3/1/23</i>	<i>3</i>	<i>4/1/23</i>	<i>0</i>
1	PAT-BFS-MAINGYMHALL				
2	PAT-CFB-ROOM 101				
3	PAT-WC-MAINHALLDR31				
4	PAT-WC-MAINHALLDR32				
5	PAT-CFB-ROOM 102				
6	PAT-CFB-ROOM 103				
7	PAT-CFB-ROOM 104				



Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
8	PAT-CFB-ROOM 105				
9	PAT-CFB-ROOM 106				
10	PAT-CFB-ROOM 107				
11	PAT-CFB-ROOM 108				
12	PAT-CFB-ROOM 110				
13	PAT-CFB-ROOM 111				
14	PAT-CFB-ROOM 112				
15	PAT-CFB-ROOM 113				



Appendix A: Summary of the Clean Drinking Water Access Act (2023 PA 154)

These are the main regulatory elements of the CDWAA. You can read the Act in its entirety at Michigan.gov/FilterFirst.

1. Drinking Water Management Plan (DWMP)

- A. Within 15 months after the effective date of this act (by January 24, 2025), each school shall develop a drinking water management plan. The DWMP shall:
 - i. Be available upon request to EGLE, staff, parents/guardians, and public.
 - ii. Be reviewed and updated as needed, at least once every 5 years.
 - iii. Specify location of all water outlets used for human consumption.
 1. Specify location of filtered bottle-filling station (1/100 occupants)
 2. Specify location of filtered faucets.
 - iv. Specify location of all water outlets not used for consumption.
 - v. Specify location of water outlets that are shut off or rendered permanently inoperable.
 - vi. Develop a schedule for the regular replacement of the filter/filter cartridges for each filtered bottle-filling station and filtered faucet.
 - vii. Develop a schedule for sampling and testing of the filtered bottle-filling stations and filtered faucets for lead.

2. Testing for Lead

- A. Every filtered water outlet shall be sampled (through the filter) for lead once a year starting from the date filters have been installed and tested at a laboratory certified to analyze for lead.
- B. Laboratory test results shall be available upon request and recommend retaining by the school/district for at least 10 years.
- C. The following actions are to be taken upon review of the annual test results:
 - i. Test results not detecting lead (0 mg/L or 0 ug/L):
 1. Record and file the results.
 2. Share upon request.
 - ii. Test results detecting lead 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 1. Immediately check status of filter(s).
 2. Replace filter/cartridge if status light is yellow or red.



3. Ensure the filter is properly installed.
4. Resample and retest.
5. If re-test result is 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 - a. Send copy of result and the make/model of filter to EGLE.
 - b. Consult with EGLE or filter manufacturer.
- iii. Test results detecting more than 5 ppb (>0.005 mg/L or 5 ug/L):
 1. Immediately shut off or render the water outlet inoperable.
 2. Post a conspicuous sign near the outlet stating it is inoperable because of high lead concentration. Maintain the sign until actions have been taken to reduce the risk.
 3. Replace the filter/cartridge.
 4. Resample and retest the filtered water.
 5. Return the outlet to service if re-test result is not more than 5 ppb of lead.
 - a. If result is 1-5 ppb, follow 2cii above.
 - b. If result is >5 ppb, complete all the following:
 - i. Within 30 days after receiving the test results:
 - 1) Send a copy of test result(s) to EGLE.
 - 2) Send a notice to staff and parents/guardians that includes the amount of lead found in the water and information provided by EGLE on the health effects of lead exposure and ways to reduce childhood lead exposure.
 - ii. Develop a remediation plan in consultation with EGLE. The drinking water management plan must be updated to incorporate the remediation plan.

3. By the end of the 2025-2026 School Year, each school shall:

- A. Have filters on all consumptive fixtures.
- B. Install all filtered bottle-filling stations (1 station per 100 occupants).
- C. Shut off or render permanently inoperable any water outlet providing water for human consumption that is not a filtered bottle-filling station or filtered faucet.
- D. Not install a drinking fountain unless it is a filtered bottle-filling station with a filter status light.
- E. Submit annually a certification of compliance to EGLE that certifies that the school has complied with the requirements of this act (on a form and in a manner prescribed by EGLE).



Appendix B: Water Sampling Guidance & Instructions

1. The CDWAA requires routine sampling at all filtered fixtures every year. Sampling begins as soon as filters are installed to check the functionality of the device and annually thereafter. To ensure sample results represent typical daily use during the school year, do not collect the routine annual sample immediately after replacing the filter cartridge.
2. Develop a unique [Fixture Identification Code](#) for each consumptive fixture per instructions on pages 7-8 above.
3. Obtain 250 ml wide-mouth sample bottles from the laboratory that will be testing the sample(s).
4. Prevent water use in the building for at least 8 hours prior to sample collection.
 - a. Notify all school staff and building users (external groups)
 - b. Post signs or bag fixtures, lock building, lock rooms.
 - c. Do not allow water use during sample collection. That includes flushing toilets, handwashing, and cleaning.
 - d. Do not collect samples or send them to the laboratory if water has been used.
5. Collect the **first draw** of filtered water in a 250 mL sample bottle.
 - a. Do not let the water run before collection.
 - b. Record information and complete all necessary forms:
 - i. Laboratory chain-of-custody form
 - ii. Drinking Water Management Plan (Table 6: Annual Sampling Schedule)
 - c. Each filtered fixture may be sampled on the same day.
6. Samples must be delivered to a drinking water laboratory certified for lead and copper testing for the approved EPA method. A list of certified labs can be found at: [Lead-Copper-Certifications.pdf \(michigan.gov\)](#).
 - a. Get the samples to the laboratory as soon as possible. May be mailed or hand delivered.
 - b. Samples must be received by the laboratory within 14 days of sample collection.

Some labs report the test results in milligrams per liter (mg/L) and some in micrograms per liter (ug/L). Make sure to check the appropriate unit of measure reported by the lab in Table 6 (Annual Sampling Schedule).

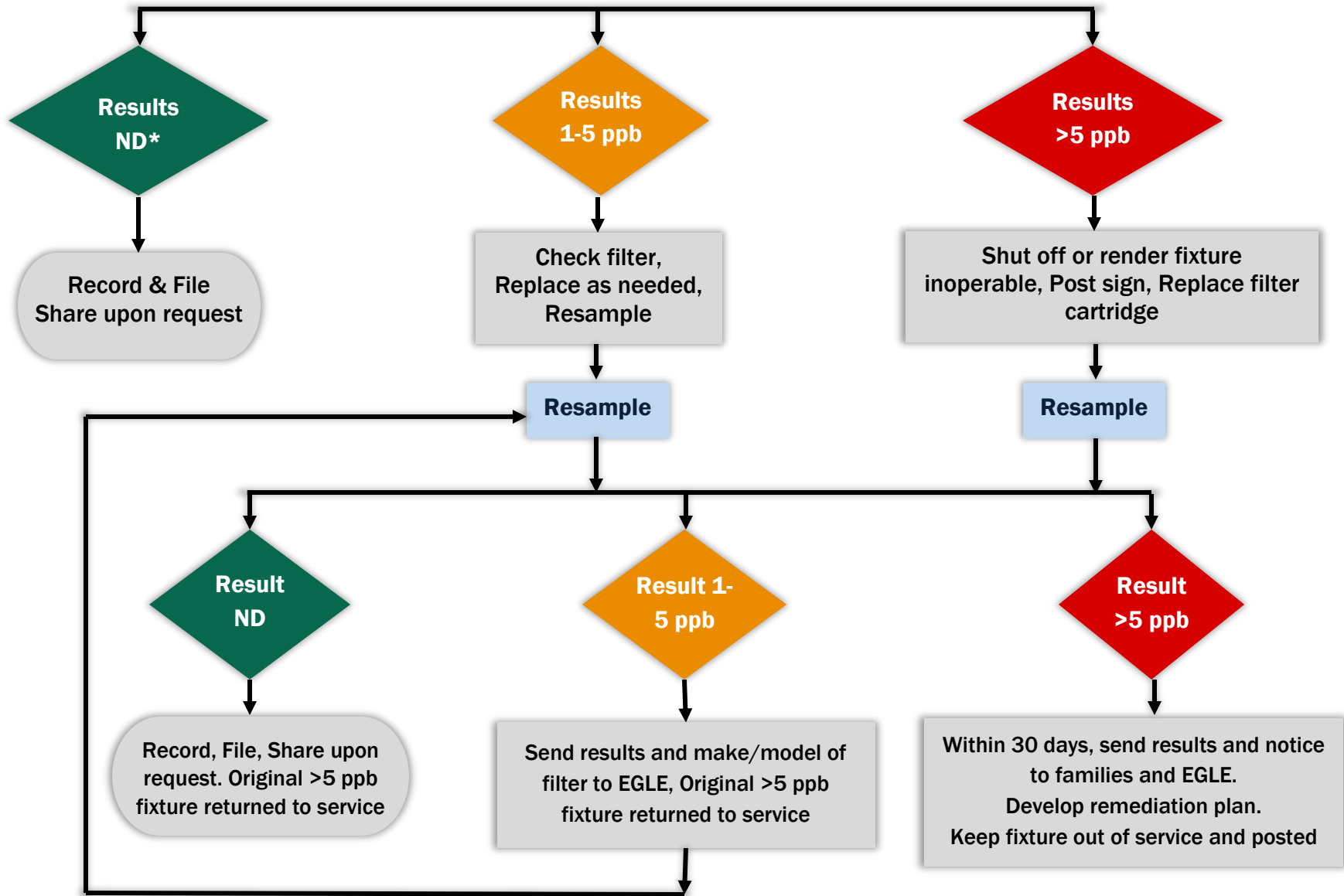


Immediate action is required by law if the test result is greater than 5 ug/L (5 ppb) or 0.005 mg/L (0.005 ppm). **Note:** 5 ug/L is the same as 5 parts per billion (5 ppb).

Results greater than 5 ppb or 0.005 ppm SHALL be submitted EGLE **within 30 days** of facility receipt of the results and notice provided to families, staff, and students.



Annual Sampling and Testing Result Actions



*ND = Not Detected



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY



Clean Drinking Water Access Act

Drinking Water Management Plan for Schools

Kment Elementary School

School Building Name

1049

School Building Code

Roseville Community Schools

School District

Child Care License Number (if one exists within the school building)

Joseph Smith

Responsible Staff Name

586-445-5697

Responsible Staff Phone Number

2024/25

School Year Plan Date

August

Annual Sampling Month

Director of Buildings and Grounds

Responsible Staff Title

JSmith@Roseville.k12.mi.us

Responsible Staff Email Address

January 24, 2025

Update Plan Due-By Date

MI0005820

Public Water System ID (PWSID)*

*A PWSID is how a water supply is identified. A list of PWSIDs is available at Michigan.gov/FilterFirst.



The Michigan Department of Environment, Great Lakes, and Energy (EGLE) has created the Drinking Water Management Plan (DWMP) as a tool to maintain healthy and safe drinking water in the building throughout the year. This document is a template that may be used for the DWMP per the requirements of the Clean Drinking Water Access Act (CDWAA), 2023 PA 154. Schools may use this document or create their own plan, provided it includes all the required elements listed below. Individual forms for each required element may be found at Michigan.gov/FilterFirst.

Retain and utilize the DWMP. The first DWMP must be developed by January 24, 2025, and updated at a minimum of every 5 years per the CDWAA. Upon request, the DWMP shall be made available to EGLE, staff, parents and guardians, and the public.

The DWMP must include the following required elements:

1. The location of each consumptive water outlet (drinking, as a component of a food or beverage, rinsing foods, brushing teeth, making baby formula):
 - a. Location of filtered bottle-filling station (1/100 occupants of the building).
 - b. Location of filtered faucet (kitchens, nurse stations, preschool classrooms, teacher lounges).
2. The location where a water outlet will be maintained for purposes other than described above (nonconsumptive fixtures).
3. The location where a water outlet will be shut off or rendered permanently inoperable.
4. A schedule for when each of the following will occur:
 - a. Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet.
 - b. Regular replacement of the filter cartridge for each filtered bottle-filling station and filtered faucet in compliance with the manufacturer’s instructions or recommendations of EGLE.

Each school shall submit the CDWAA Certification Form that certifies the school has complied with the requirements of the CDWAA to EGLE on an annual basis by August 15. The certification form can be found at Michigan.gov/FilterFirst. All current required documents must be retained by the facility and submitted to EGLE if requested.



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To request this material in an alternate format, contact EGLE-Accessibility@Michigan.gov or 800-662-9278.



General Information

Key Terms:

Bubbler Fixture: A fixture on a drinking water fountain/water cooler through which water is forced up in a small arc from a nozzle that allows an individual to drink from the arc directly.

Consumption Water: Water used for drinking, component of food or beverage, or brushing teeth, rinsing food, and making baby formula.

Department: The Department of Environment, Great Lakes, and Energy (EGLE)

Drinking Fountain: An un-chilled plumbing fixture that is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.

Filtered Bottle-filling Station (also known as Hydration Station): An apparatus that is connected to building plumbing, filters water, is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal, has a light or other device to indicate filter cartridge performance, is designed to fill drinking bottles or other containers used for personal water consumption, and has a bubbler fixture that allows the user to drink directly from a stream of flowing water without the use of any accessory.

Filtered Faucet: A faucet that includes at the point of use a filter that is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal.

First Draw: The first 250 mL sample of water from a fixture after at least an 8-hour stagnation period.

Fund: School and child care center clean drinking water fund created in section 11 of PA 0154.

School: Public or nonpublic as defined in section 5 of the revised school code, 1976 PA 451, MCL 380.5.

Water Cooler: a plumbing fixture that chills the water and is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.



Acronyms:

- CDWAA**..... Clean Drinking Water Act
- DWMP**.....Drinking Water Management Plan
- EGLE** Michigan Department of Environment, Great Lakes, and Energy
- mg/L**..... Milligrams per liter (lab sample measure, same as one part per million)
- NSF/ANSI 42** National standard for particulate removal
- NSF/ANSI 53** National standard for lead reduction (must specify for lead)
- PN**..... Public Test Result Notification
- POE**..... Point of Entry (location the water enters the building)
- POU**..... Point of Use (the end of a faucet)
- ppb**..... Parts per billion (one part per billion of volume of a water sample)
- ppm**..... Parts per million (one part per million of volume of a water sample)
- PWSID** Public Water System ID (how a water supply is identified)
- µg/L**..... Micrograms per liter (lab sample measure, same as one ppb)

Maintenance Categories:

Preventive Maintenance: Planned and carried out on a regular basis to maintain and keep infrastructure in good condition.

Corrective Maintenance: Replacing or repairing something done incorrectly or needing change for improvement.

Emergency Maintenance: Reaction to a crisis or public complaints normally due to failure, malfunction, or breakdown of plumbing/equipment.

Periodic Maintenance: Infrequent actions needed, for example biannual, once in five years, etc.



Roles and Responsibilities:

List the names of school staff or third-party contractors who play a role or have responsibilities for following and executing the DWMP. May include contacts for filter and bottle fill station manufacturers/distributors.

Person's Name	Title or Company	Phone Number	Email Address	Role or Responsibility
Joe Smith	Director	586-445-5697	JSmith@roseville.k12.mi.us	Execution of the DWMP
Scott Sikorski	Coordinator	586-445-5699	SSikorski@roseville.k12.mi.us	Execution of the DWMP

Comments:



Fixture Identification Code Development Guidelines:

It is important to follow these guidelines to generate a unique fixture identification code (Fixture ID) for each fixture used for consumption to support: quick identification, fixture maintenance, sampling, matching test results to the sample, and reporting to EGLE when necessary (Note: adhering to this coding system now will save time in the future when reporting to EGLE’s on-line electronic data collection system, will promote consistency, and reduce sample confusion).

The following table lists the fixture type codes that are used for compliance sampling and reporting purposes to EGLE.

Table 1: Fixture Type Codes

Code	Fixture Type
B	Bubbler outlet on the bottle fill unit (hydration station)
BF	Bottle fill outlet
CF	Classroom faucet
DF	Drinking Fountain
IM	Ice machine
KF	Kitchen faucet
KK	Kitchen kettle-fill
NS	Nurses sink faucet
OT	Other faucet used for consumption (in a break room, office, library, etc.)
RF	Restroom faucet (used for consumption)
SC	Service Connection (Tap closest to the service line)
TL	Teachers’ lounge faucet
WC	Water Cooler (plug-in chiller unit/ refrigerated unit)



Generating the fixture identification code:

The Fixture ID should be long enough to identify the building, location, and fixture type, but not too long that the laboratory reporting cuts off some of the code (maximum of 20 for State Laboratory reports). The Fixture ID is created as follows:

1. The Fixture ID code starts with 2-3 letters for the building name.
 - a. Example: West Elementary = WE
 - b. Example: Wilson High School = WHS
2. The middle part of the Fixture ID code is the location.
 - a. Example: Room 110 = 110
 - b. Example: West wall of the Gym = WGym
 - c. Example: East wall of the Gym = EGym
 - d. Example: Second floor hallway by room 201 = 2FH201 or 201HALL
3. The last part of the Fixture ID code is the fixture type found on Table 1 above. Adhering to these codes is needed for reporting consistency and statistical analysis.

If following the EGLE coding system, dashes in between the three sections must be used.

Below are examples of complete Fixture ID codes for some fixtures in one building:

- | | | |
|---------------|-----------------|--------------|
| 1. WE-110-CF | 4. WE-2FH201-BF | 7. WE-KIT-IM |
| 2. WE-WGYM-BF | 5. WE-2FH201-WC | 8. WE-150-TL |
| 3. WE-WGYM-WC | 6. WE-KIT-KF | 9. WE-100-NS |

Example for bottle-filling stations (include a bottle-filling outlet and bubbler outlet)

1. WE-BF1-BF (bottle fill) and
2. WE-BF1-WC (bubbler outlet of unit)
3. WEC-BF1WC-WC (the bubbler outlet of an ADA compliant cooler next to the station).

If you have multiple bottle-filling units in the building halls, the middle part of the code can designate the unit number, starting with the unit closest to the water point of entry into the building. Exact location will be recorded on the inventory list and may also be located on a floor plan/map.

1. WE-BF1-BF and WE-BF1-WC
2. WE-BF2-BF and WE-BF2-WC
3. WE-BF3-BF and WE-BF3-WC
4. WE-BF4-BF and WE-BF4-WC and WE-BF4WC-WC (for the ADA water cooler next to the bottle-filling unit).



Forms (retain until updated or 5-year revision – submit only if requested by EGLE)

Separate inventory sheets can be found at Michigan.gov/SchoolWater.

A. Consumptive Fixture Inventory:

The CDWAA requires every consumptive fixture in a building to be identified and location recorded. The category of each consumptive fixture should be specified as a filtered bottle-filling station or filtered faucet. “Number” is the order of sampling starting at the fixture closest to the water POE into the building. List here, include additional pages if needed, update as needed and keep a copy for your records.

Table 2: Filtered Fixture Inventory

Program/School Year: 2024/25

Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>Preschool room 100</i>	<i>ABC FM-2000B</i>	<i>Filtered faucet</i>
<i>Ex: 2</i>	<i>WE-203H-BF</i>	<i>2nd floor hall by room 203</i>	<i>XYZ FM-2000A</i>	<i>Filtered bottle-filling station</i>
<i>Ex: 3</i>	<i>WE-203-WC</i>	<i>2nd floor hall by room 203</i>	<i>XYC FM-2000A</i>	<i>Filtered bottle-filling station</i>
1	KM-BFS-MAINHALL	Main hall	K_BILEVEL	Bottle Fill
2	KM-WC-CAFE	Cafeteria	VR_BILEVEL	Water Cooler
3	KM-WC-500HALL	500 hall	VR_BILEVEL	Water Cooler
4	KM-BCF-ROOM305	ROOM 305	BUBBLER_AND_FAUCET	Classroom Faucet
5	KM-BFS-300HALL	300 hall	K_BILEVEL	Bottle Fill
6	KM-WC-OUTSDEWRKRM	Outside work room	VR_BILEVEL	Water Cooler
7	KM-BCF-ROOM304	ROOM 304	BUBBLER_AND_FAUCET	Classroom Faucet
8	KM-BCF-ROOM306	ROOM 306	BUBBLER_AND_FAUCET	Classroom Faucet
9	KM-BCF-ROOM307	ROOM 307	BUBBLER_AND_FAUCET	Classroom Faucet



Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
10	KM-BCF-ROOM308	ROOM 308	BUBBLER_AND_FAUCET	Classroom Faucet
11	KM-BCF-ROOM309	ROOM 309	BUBBLER_AND_FAUCET	Classroom Faucet
12	KM-BCF-ROOM310	ROOM 310	BUBBLER_AND_FAUCET	Classroom Faucet
13	KM-BCF-ROOM211	ROOM 211	BUBBLER_AND_FAUCET	Classroom Faucet
14	KM-BCF-ROOM213	ROOM 213	BUBBLER_AND_FAUCET	Classroom Faucet
15	KM-BCF-ROOM214	ROOM 214	BUBBLER_AND_FAUCET	Classroom Faucet
16	KM-BCF-ROOM407	ROOM 407	BUBBLER_AND_FAUCET	Classroom Faucet
17	KM-BCF-ROOM409	ROOM 409	BUBBLER_AND_FAUCET	Classroom Faucet
18	KM-BCF-ROOM411	ROOM 411	BUBBLER_AND_FAUCET	Classroom Faucet
19	KM-BCF-ROOM415	ROOM 415	BUBBLER_AND_FAUCET	Classroom Faucet
20	KM-BCF-ROOM417	ROOM 417	BUBBLER_AND_FAUCET	Classroom Faucet
21	KM-BCF-ROOM504	ROOM 504	BUBBLER_AND_FAUCET	Classroom Faucet
22	KM-BCF-ROOM506	ROOM 506	BUBBLER_AND_FAUCET	Classroom Faucet
23	KM-BCF-ROOM507	ROOM 507	BUBBLER_AND_FAUCET	Classroom Faucet
24	KM-BCF-ROOM508	ROOM 508	BUBBLER_AND_FAUCET	Classroom Faucet
25	KM-BCF-ROOM509	ROOM 509	BUBBLER_AND_FAUCET	Classroom Faucet
26	KM-BCF-ROOM510	ROOM 510	BUBBLER_AND_FAUCET	Classroom Faucet



B. Non-Consumptive Fixture Inventory:

The CDWAA requires every non-consumptive fixture in a building to be identified and recorded. Specify the location where a water outlet will be maintained for purposes other than drinking or addition to food or beverages. “Number” is the order of fixtures starting with the fixture closest to the water POE into the building. Include additional pages if needed, update as needed and keep a copy for your records. Note: Nonconsumptive fixtures in a kitchen are those for hand or dish washing and not water used as an addition to a food for food preparation.

Table 3 : Non-Consumptive Fixture Inventory

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
<i>Ex: 1</i>	<i>Hand sink faucet in classroom 203 (handwashing only sign posted)</i>
1	BATHROOMS (12)
2	ROOM 111 BATHROOM W/SINK
3	ROOM 213 BATHROOM W/SINK
4	ROOM 214 BATHROOM W/SINK
5	ROOM 305 BATHROOM W/SINK
6	ROOM 306 BATHROOM W/SINK
7	ROOM 304 BATHROOM W/SINK
8	ROOM 307 BATHROOM W/SINK
9	ROOM 309 BATHROOM W/SINK
10	ROOM 310 BATHROOM W/SINK



Number	Fixture Location (room # or description)
11	ROOM 308 BATHROOM W/SINK
12	ROOM 407 SINK
13	ROOM 409 SINK
14	ROOM 411 SINK
15	ROOM 415 SINK
16	ROOM 417 SINK
17	ROOM 504 SINK
18	ROOM 506 SINK
19	ROOM 505 BATHROOM W/SINK
20	ROOM 507 SINK
21	ROOM 509 SINK
22	ROOM 508 SINK
23	ROOM 510 SINK
24	ART ROOM SINK
25	TEACHER LOUNGE SINK



C. Inoperable Fixture Inventory:

The CDWAA requires a list of the location(s) where a water outlet is shut off or rendered permanently inoperable.

Table 5: Fixture Not in Use

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
<i>Ex: 1</i>	<i>Bubbler in classroom 123 – water line shut off, will be permanently removed on 6/15/24</i>



D. Filter Maintenance Schedule:

The CDWAA requires a filter maintenance schedule. Use this form to track filter maintenance. It is recommended that drinking water filters are to be checked weekly to be sure they are operational, and the green status light is on. Filters/cartridges must be replaced according to manufacturer’s recommendations or if the RED filter status light is showing. Record the date and initials of the person who replaced the filter or cartridge.

Table 5: Filter Maintenance Schedule

Program/School Year: 2024/25

Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
KM-BFS-MAINHALL	EZFMTLK_bilevel_ezH2O_sideaccess_kit										
KM-WC-CAFE	LZSTL8WSSP_bilevel_BFS_w_QFCW										
KM-WC-500HALL	LZSTL8WSSP_bilevel_BFS_w_QFCW										
KM-BCF-ROOM305	New_Elkay_bubbler_and_EF3000VRBMC										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
KM-BFS-300HALL	EZFMTLK_bilevel_ezH2O_sideaccess_kit										
KM-WC-OUTSDEWRKRM	LZSTL8WSSP_bilevel_BFS_w_QFCW										
KM-BCF-ROOM304	New_Elkay_bubbler_and_EF3000VRBMC										
KM-BCF-ROOM306	New_Elkay_bubbler_and_EF3000VRBMC										
KM-BCF-ROOM307	New_Elkay_bubbler_and_EF3000VRBMC										
KM-BCF-ROOM308	New_Elkay_bubbler_and_EF3000VRBMC										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
KM-BCF-ROOM309	New_Elkay_bu bbler_and_EF 3000VRBMC										
KM-BCF-ROOM310	New_Elkay_bu bbler_and_EF 3000VRBMC										
KM-BCF-ROOM211	New_Elkay_bu bbler_and_EF 3000VRBMC										
KM-BCF-ROOM213	New_Elkay_bu bbler_and_EF 3000VRBMC										
KM-BCF-ROOM214	New_Elkay_bu bbler_and_EF 3000VRBMC										
KM-BCF-ROOM407	New_Elkay_bu bbler_and_EF 3000VRBMC										
KM-BCF-ROOM409	New_Elkay_bu bbler_and_EF 3000VRBMC										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
KM-BCF-ROOM411	New_Elkay_bu bbler_and_EF 3000VRBMC										
KM-BCF-ROOM415	New_Elkay_bu bbler_and_EF 3000VRBMC										
KM-BCF-ROOM417	New_Elkay_bu bbler_and_EF 3000VRBMC										
KM-BCF-ROOM504	New_Elkay_bu bbler_and_EF 3000VRBMC										
KM-BCF-ROOM506	New_Elkay_bu bbler_and_EF 3000VRBMC										
KM-BCF-ROOM507	New_Elkay_bu bbler_and_EF 3000VRBMC										
KM-BCF-ROOM508	New_Elkay_bu bbler_and_EF 3000VRBMC										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
KM-BCF-ROOM509	New_Elkay_bubbler_and_EF3000VRBMC										
KM-BCF-ROOM510	New_Elkay_bubbler_and_EF3000VRBMC										



E. Sampling Schedule:

Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet is required by the CDWAA. Proper sampling procedures must be followed. Sampling instructions can be found in the Appendix. Provide all results to EGLE, parents and guardians, staff, and the public upon request.

Results that are greater than 5 ppb (0.005 mg/L or 5 ug/L) SHALL be submitted to EGLE within 30 days of facility receipt of the results to the EGLE School and Child Care Water email EGLE-DWEHD-FilterFirst@michigan.gov and reported to families. Repeat results that are 1-5 ppb (0.001-0.005 mg/L or 1-5 ug/L) SHALL also be submitted to EGLE along with the make/model of filter and/or filter bottle-filling station. Check the result box for the unit reported by the laboratory.

Table 6: Annual Sampling Schedule

Program/School Year: 2024/25

Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>3/1/23</i>	<i>0</i>		
<i>Ex: 2</i>	<i>WE-101 CF</i>	<i>3/1/23</i>	<i>3</i>	<i>4/1/23</i>	<i>0</i>
1	KM-BFS-MAINHALL				
2	KM-WC-CAFE				
3	KM-WC-500HALL				
4	KM-BCF-ROOM305				
5	KM-BFS-300HALL				
6	KM-WC-OUTSDEWRKRM				
7	KM-BCF-ROOM304				



Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
8	KM-BCF-ROOM306				
9	KM-BCF-ROOM307				
10	KM-BCF-ROOM308				
11	KM-BCF-ROOM309				
12	KM-BCF-ROOM310				
13	KM-BCF-ROOM211				
14	KM-BCF-ROOM213				
15	KM-BCF-ROOM214				
16	KM-BCF-ROOM407				
17	KM-BCF-ROOM409				
18	KM-BCF-ROOM411				
19	KM-BCF-ROOM415				
20	KM-BCF-ROOM417				
21	KM-BCF-ROOM504				
22	KM-BCF-ROOM506				
23	KM-BCF-ROOM507				
24	KM-BCF-ROOM508				



Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
25	KM-BCF-ROOM509				
26	KM-BCF-ROOM510				



Appendix A: Summary of the Clean Drinking Water Access Act (2023 PA 154)

These are the main regulatory elements of the CDWAA. You can read the Act in its entirety at Michigan.gov/FilterFirst.

1. Drinking Water Management Plan (DWMP)

- A. Within 15 months after the effective date of this act (by January 24, 2025), each school shall develop a drinking water management plan. The DWMP shall:
 - i. Be available upon request to EGLE, staff, parents/guardians, and public.
 - ii. Be reviewed and updated as needed, at least once every 5 years.
 - iii. Specify location of all water outlets used for human consumption.
 1. Specify location of filtered bottle-filling station (1/100 occupants)
 2. Specify location of filtered faucets.
 - iv. Specify location of all water outlets not used for consumption.
 - v. Specify location of water outlets that are shut off or rendered permanently inoperable.
 - vi. Develop a schedule for the regular replacement of the filter/filter cartridges for each filtered bottle-filling station and filtered faucet.
 - vii. Develop a schedule for sampling and testing of the filtered bottle-filling stations and filtered faucets for lead.

2. Testing for Lead

- A. Every filtered water outlet shall be sampled (through the filter) for lead once a year starting from the date filters have been installed and tested at a laboratory certified to analyze for lead.
- B. Laboratory test results shall be available upon request and recommend retaining by the school/district for at least 10 years.
- C. The following actions are to be taken upon review of the annual test results:
 - i. Test results not detecting lead (0 mg/L or 0 ug/L):
 1. Record and file the results.
 2. Share upon request.
 - ii. Test results detecting lead 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 1. Immediately check status of filter(s).
 2. Replace filter/cartridge if status light is yellow or red.



3. Ensure the filter is properly installed.
4. Resample and retest.
5. If re-test result is 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 - a. Send copy of result and the make/model of filter to EGLE.
 - b. Consult with EGLE or filter manufacturer.
- iii. Test results detecting more than 5 ppb (>0.005 mg/L or 5 ug/L):
 1. Immediately shut off or render the water outlet inoperable.
 2. Post a conspicuous sign near the outlet stating it is inoperable because of high lead concentration. Maintain the sign until actions have been taken to reduce the risk.
 3. Replace the filter/cartridge.
 4. Resample and retest the filtered water.
 5. Return the outlet to service if re-test result is not more than 5 ppb of lead.
 - a. If result is 1-5 ppb, follow 2cii above.
 - b. If result is >5 ppb, complete all the following:
 - i. Within 30 days after receiving the test results:
 - 1) Send a copy of test result(s) to EGLE.
 - 2) Send a notice to staff and parents/guardians that includes the amount of lead found in the water and information provided by EGLE on the health effects of lead exposure and ways to reduce childhood lead exposure.
 - ii. Develop a remediation plan in consultation with EGLE. The drinking water management plan must be updated to incorporate the remediation plan.

3. By the end of the 2025-2026 School Year, each school shall:

- A. Have filters on all consumptive fixtures.
- B. Install all filtered bottle-filling stations (1 station per 100 occupants).
- C. Shut off or render permanently inoperable any water outlet providing water for human consumption that is not a filtered bottle-filling station or filtered faucet.
- D. Not install a drinking fountain unless it is a filtered bottle-filling station with a filter status light.
- E. Submit annually a certification of compliance to EGLE that certifies that the school has complied with the requirements of this act (on a form and in a manner prescribed by EGLE).



Appendix B: Water Sampling Guidance & Instructions

1. The CDWAA requires routine sampling at all filtered fixtures every year. Sampling begins as soon as filters are installed to check the functionality of the device and annually thereafter. To ensure sample results represent typical daily use during the school year, do not collect the routine annual sample immediately after replacing the filter cartridge.
2. Develop a unique [Fixture Identification Code](#) for each consumptive fixture per instructions on pages 7-8 above.
3. Obtain 250 ml wide-mouth sample bottles from the laboratory that will be testing the sample(s).
4. Prevent water use in the building for at least 8 hours prior to sample collection.
 - a. Notify all school staff and building users (external groups)
 - b. Post signs or bag fixtures, lock building, lock rooms.
 - c. Do not allow water use during sample collection. That includes flushing toilets, handwashing, and cleaning.
 - d. Do not collect samples or send them to the laboratory if water has been used.
5. Collect the **first draw** of filtered water in a 250 mL sample bottle.
 - a. Do not let the water run before collection.
 - b. Record information and complete all necessary forms:
 - i. Laboratory chain-of-custody form
 - ii. Drinking Water Management Plan (Table 6: Annual Sampling Schedule)
 - c. Each filtered fixture may be sampled on the same day.
6. Samples must be delivered to a drinking water laboratory certified for lead and copper testing for the approved EPA method. A list of certified labs can be found at: [Lead-Copper-Certifications.pdf \(michigan.gov\)](#).
 - a. Get the samples to the laboratory as soon as possible. May be mailed or hand delivered.
 - b. Samples must be received by the laboratory within 14 days of sample collection.

Some labs report the test results in milligrams per liter (mg/L) and some in micrograms per liter (ug/L). Make sure to check the appropriate unit of measure reported by the lab in Table 6 (Annual Sampling Schedule).

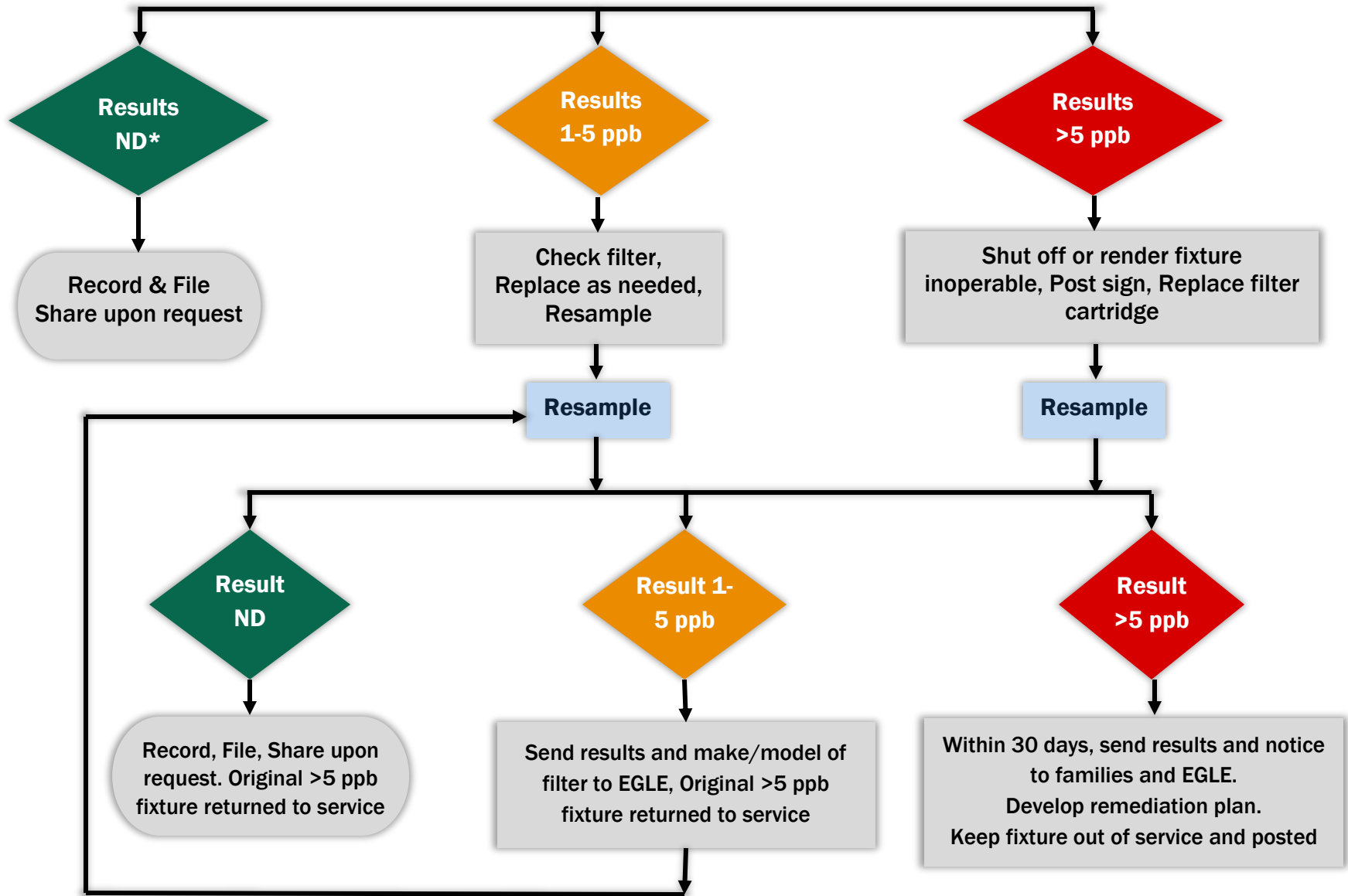


Immediate action is required by law if the test result is greater than 5 ug/L (5 ppb) or 0.005 mg/L (0.005 ppm). **Note:** 5 ug/L is the same as 5 parts per billion (5 ppb).

Results greater than 5 ppb or 0.005 ppm SHALL be submitted EGLE **within 30 days** of facility receipt of the results and notice provided to families, staff, and students.



Annual Sampling and Testing Result Actions



*ND = Not Detected



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY



Clean Drinking Water Access Act

Drinking Water Management Plan for Schools

Roseville High School

School Building Name

5596

School Building Code

Roseville Community Schools

School District

Child Care License Number (if one exists within the school building)

Joseph Smith

Responsible Staff Name

Director of Buildings and Grounds

Responsible Staff Title

586-445-5697

Responsible Staff Phone Number

JSmith@Roseville.k12.mi.us

Responsible Staff Email Address

2024/25

School Year Plan Date

January 24, 2025

Update Plan Due-By Date

August

Annual Sampling Month

MI0005820

Public Water System ID (PWSID)*

*A PWSID is how a water supply is identified. A list of PWSIDs is available at Michigan.gov/FilterFirst.



The Michigan Department of Environment, Great Lakes, and Energy (EGLE) has created the Drinking Water Management Plan (DWMP) as a tool to maintain healthy and safe drinking water in the building throughout the year. This document is a template that may be used for the DWMP per the requirements of the Clean Drinking Water Access Act (CDWAA), 2023 PA 154. Schools may use this document or create their own plan, provided it includes all the required elements listed below. Individual forms for each required element may be found at Michigan.gov/FilterFirst.

Retain and utilize the DWMP. The first DWMP must be developed by January 24, 2025, and updated at a minimum of every 5 years per the CDWAA. Upon request, the DWMP shall be made available to EGLE, staff, parents and guardians, and the public.

The DWMP must include the following required elements:

1. The location of each consumptive water outlet (drinking, as a component of a food or beverage, rinsing foods, brushing teeth, making baby formula):
 - a. Location of filtered bottle-filling station (1/100 occupants of the building).
 - b. Location of filtered faucet (kitchens, nurse stations, preschool classrooms, teacher lounges).
2. The location where a water outlet will be maintained for purposes other than described above (nonconsumptive fixtures).
3. The location where a water outlet will be shut off or rendered permanently inoperable.
4. A schedule for when each of the following will occur:
 - a. Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet.
 - b. Regular replacement of the filter cartridge for each filtered bottle-filling station and filtered faucet in compliance with the manufacturer’s instructions or recommendations of EGLE.

Each school shall submit the CDWAA Certification Form that certifies the school has complied with the requirements of the CDWAA to EGLE on an annual basis by August 15. The certification form can be found at Michigan.gov/FilterFirst. All current required documents must be retained by the facility and submitted to EGLE if requested.



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To request this material in an alternate format, contact EGLE-Accessibility@Michigan.gov or 800-662-9278.



General Information

Key Terms:

Bubbler Fixture: A fixture on a drinking water fountain/water cooler through which water is forced up in a small arc from a nozzle that allows an individual to drink from the arc directly.

Consumption Water: Water used for drinking, component of food or beverage, or brushing teeth, rinsing food, and making baby formula.

Department: The Department of Environment, Great Lakes, and Energy (EGLE)

Drinking Fountain: An un-chilled plumbing fixture that is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.

Filtered Bottle-filling Station (also known as Hydration Station): An apparatus that is connected to building plumbing, filters water, is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal, has a light or other device to indicate filter cartridge performance, is designed to fill drinking bottles or other containers used for personal water consumption, and has a bubbler fixture that allows the user to drink directly from a stream of flowing water without the use of any accessory.

Filtered Faucet: A faucet that includes at the point of use a filter that is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal.

First Draw: The first 250 mL sample of water from a fixture after at least an 8-hour stagnation period.

Fund: School and child care center clean drinking water fund created in section 11 of PA 0154.

School: Public or nonpublic as defined in section 5 of the revised school code, 1976 PA 451, MCL 380.5.

Water Cooler: a plumbing fixture that chills the water and is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.



Acronyms:

- CDWAA**..... Clean Drinking Water Act
- DWMP**.....Drinking Water Management Plan
- EGLE** Michigan Department of Environment, Great Lakes, and Energy
- mg/L**..... Milligrams per liter (lab sample measure, same as one part per million)
- NSF/ANSI 42** National standard for particulate removal
- NSF/ANSI 53** National standard for lead reduction (must specify for lead)
- PN**..... Public Test Result Notification
- POE**..... Point of Entry (location the water enters the building)
- POU**..... Point of Use (the end of a faucet)
- ppb**..... Parts per billion (one part per billion of volume of a water sample)
- ppm**..... Parts per million (one part per million of volume of a water sample)
- PWSID** Public Water System ID (how a water supply is identified)
- µg/L**..... Micrograms per liter (lab sample measure, same as one ppb)

Maintenance Categories:

Preventive Maintenance: Planned and carried out on a regular basis to maintain and keep infrastructure in good condition.

Corrective Maintenance: Replacing or repairing something done incorrectly or needing change for improvement.

Emergency Maintenance: Reaction to a crisis or public complaints normally due to failure, malfunction, or breakdown of plumbing/equipment.

Periodic Maintenance: Infrequent actions needed, for example biannual, once in five years, etc.



Roles and Responsibilities:

List the names of school staff or third-party contractors who play a role or have responsibilities for following and executing the DWMP. May include contacts for filter and bottle fill station manufacturers/distributors.

Person's Name	Title or Company	Phone Number	Email Address	Role or Responsibility
Joe Smith	Director	586-445-5697	JSmith@roseville.k12.mi.us	Execution of the DWMP
Scott Sikorski	Coordinator	586-445-5699	SSikorski@roseville.k12.mi.us	Execution of the DWMP

Comments:



Fixture Identification Code Development Guidelines:

It is important to follow these guidelines to generate a unique fixture identification code (Fixture ID) for each fixture used for consumption to support: quick identification, fixture maintenance, sampling, matching test results to the sample, and reporting to EGLE when necessary (Note: adhering to this coding system now will save time in the future when reporting to EGLE’s on-line electronic data collection system, will promote consistency, and reduce sample confusion).

The following table lists the fixture type codes that are used for compliance sampling and reporting purposes to EGLE.

Table 1: Fixture Type Codes

Code	Fixture Type
B	Bubbler outlet on the bottle fill unit (hydration station)
BF	Bottle fill outlet
CF	Classroom faucet
DF	Drinking Fountain
IM	Ice machine
KF	Kitchen faucet
KK	Kitchen kettle-fill
NS	Nurses sink faucet
OT	Other faucet used for consumption (in a break room, office, library, etc.)
RF	Restroom faucet (used for consumption)
SC	Service Connection (Tap closest to the service line)
TL	Teachers’ lounge faucet
WC	Water Cooler (plug-in chiller unit/ refrigerated unit)



Generating the fixture identification code:

The Fixture ID should be long enough to identify the building, location, and fixture type, but not too long that the laboratory reporting cuts off some of the code (maximum of 20 for State Laboratory reports). The Fixture ID is created as follows:

1. The Fixture ID code starts with 2-3 letters for the building name.
 - a. Example: West Elementary = WE
 - b. Example: Wilson High School = WHS
2. The middle part of the Fixture ID code is the location.
 - a. Example: Room 110 = 110
 - b. Example: West wall of the Gym = WGym
 - c. Example: East wall of the Gym = EGym
 - d. Example: Second floor hallway by room 201 = 2FH201 or 201HALL
3. The last part of the Fixture ID code is the fixture type found on Table 1 above. Adhering to these codes is needed for reporting consistency and statistical analysis.

If following the EGLE coding system, dashes in between the three sections must be used.

Below are examples of complete Fixture ID codes for some fixtures in one building:

- | | | |
|---------------|-----------------|--------------|
| 1. WE-110-CF | 4. WE-2FH201-BF | 7. WE-KIT-IM |
| 2. WE-WGYM-BF | 5. WE-2FH201-WC | 8. WE-150-TL |
| 3. WE-WGYM-WC | 6. WE-KIT-KF | 9. WE-100-NS |

Example for bottle-filling stations (include a bottle-filling outlet and bubbler outlet)

1. WE-BF1-BF (bottle fill) and
2. WE-BF1-WC (bubbler outlet of unit)
3. WEC-BF1WC-WC (the bubbler outlet of an ADA compliant cooler next to the station).

If you have multiple bottle-filling units in the building halls, the middle part of the code can designate the unit number, starting with the unit closest to the water point of entry into the building. Exact location will be recorded on the inventory list and may also be located on a floor plan/map.

1. WE-BF1-BF and WE-BF1-WC
2. WE-BF2-BF and WE-BF2-WC
3. WE-BF3-BF and WE-BF3-WC
4. WE-BF4-BF and WE-BF4-WC and WE-BF4WC-WC (for the ADA water cooler next to the bottle-filling unit).



Forms (retain until updated or 5-year revision – submit only if requested by EGLE)

Separate inventory sheets can be found at Michigan.gov/SchoolWater.

A. Consumptive Fixture Inventory:

The CDWAA requires every consumptive fixture in a building to be identified and location recorded. The category of each consumptive fixture should be specified as a filtered bottle-filling station or filtered faucet. “Number” is the order of sampling starting at the fixture closest to the water POE into the building. List here, include additional pages if needed, update as needed and keep a copy for your records.

Table 2: Filtered Fixture Inventory

Program/School Year: 2024/25

Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>Preschool room 100</i>	<i>ABC FM-2000B</i>	<i>Filtered faucet</i>
<i>Ex: 2</i>	<i>WE-203H-BF</i>	<i>2nd floor hall by room 203</i>	<i>XYZ FM-2000A</i>	<i>Filtered bottle-filling station</i>
<i>Ex: 3</i>	<i>WE-203-WC</i>	<i>2nd floor hall by room 203</i>	<i>XYC FM-2000A</i>	<i>Filtered bottle-filling station</i>
1	RHS-WC-BWNGCOUNSEL1	B Wing Counseled Office #1	K_Single	Water Cooler
2	RHS-WC-BWNGCOUNSEL2	B wing counseled office #2	K_SINGLE	Water Cooler
3	RHS-WC-BWINGRM123	B wing room #123	K_SINGLE	Water Cooler
4	RHS-DF-MAINGYM	Main gym	SS_SIDExSIDE_CUSPIDOR	Drinking Fountain
5	RHS-BFS-AUXGYM1	Aux gym #1	INWALL_onlywithBF	Bottle Fill
6	RHS-DF-AUXGYM2	Aux gym #2	SS_CUSPIDOR	Drinking Fountain
7	RHS-BFS-POOLHALL	Pool hall	K_SINGLE	Bottle Fill
8	RHS-BFS-POOL1	Pool #1	INWALL_onlywithBF	Bottle Fill
9	RHS-DF-POOL2	Pool #2	SS_CUSPIDOR	Drinking Fountain



Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
10	RHS-DF-POOL3	Pool #3	SS_SIDExSIDE_CUSPIDOR	Drinking Fountain
11	RHS-WC-BWINGART	B wing art	K_SINGLE	Water Cooler
12	RHS-BFS-AUDITORIUM	Auditorium	K_BILEVEL	Bottle Fill
13	RHS-WC-BANDROOM	Band room	K_BILEVEL	Water Cooler
14	RHS-BFS-BWINGMAINOFC	B wing main office	K_SINGLE	Bottle Fill
15	RHS-BFS-ROOM202	B wing room #202	K_BILEVEL	Bottle Fill
16	RHS-BFS-AWINGUPSTRS	A wing upstairs	K_BILEVEL	Bottle Fill
17	RHS-WC-BWINGATHLTOFC	B wing athletic office	K_SINGLE	Water Cooler
18	RHS-WC-ROOM217	B wing room #217	K_SINGLE	Water Cooler
19	RHS-WC-INDUSTRMC157	Industrial room #c157	K_SINGLE	Water Cooler
20	RHS-WC-INDUSTRMC161	Industrial room #c161	K_BILEVEL	Water Cooler
21	RHS-WC-CULINARY	Culinary	K_SINGLE	Water Cooler



B. Non-Consumptive Fixture Inventory:

The CDWAA requires every non-consumptive fixture in a building to be identified and recorded. Specify the location where a water outlet will be maintained for purposes other than drinking or addition to food or beverages. “Number” is the order of fixtures starting with the fixture closest to the water POE into the building. Include additional pages if needed, update as needed and keep a copy for your records. Note: Nonconsumptive fixtures in a kitchen are those for hand or dish washing and not water used as an addition to a food for food preparation.

Table 3 : Non-Consumptive Fixture Inventory

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
<i>Ex: 1</i>	<i>Hand sink faucet in classroom 203 (handwashing only sign posted)</i>
1	BATHROOMS (30)
2	C157 SINK
3	C159 SINK
4	C161 SINK W/BATHROOMS (2)
5	C164 SINK
6	C165 SINK
7	C166 SINKS (2)
8	B192 SINKS (2)
9	B191 SINKS (2)
10	B190 SCIENCE SINKS (12)
11	B115 SINKS (2)



Number	Fixture Location (room # or description)
12	SERVERY SINK
13	POOL LOCKER ROOMS + BATHROOM W/SINK (2)
14	TRAINING ROOM SINK
15	KITCHEN BATHROOM W/SINK (6)
16	LOCKER ROOM BATHROOMS W/SINK (12)
17	CONCESSION SINK
18	B183 SINK
19	B180 SINK
20	B114 SINK
21	A150 SINK
22	A145 SCIENCE SINKS (19)
23	A146 SCIENCE SINKS (19)
24	A147 SCIENCE SINKS (19)
25	A148 SCIENCE SINKS (19)
26	A151 SINK
27	A155 SINKS (2)
28	B102 SINK



Number	Fixture Location (room # or description)
29	B100 SINK
30	CULINARY SINKS (3)
31	UPPER SCIENCE HALL SINKS (4)
32	B280 SINKS (6)
33	B215 SINKS (15)
34	B216 SINKS (18)
35	B282 SINKS (10)



C. Inoperable Fixture Inventory:

The CDWAA requires a list of the location(s) where a water outlet is shut off or rendered permanently inoperable.

Table 5: Fixture Not in Use

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
<i>Ex: 1</i>	<i>Bubbler in classroom 123 – water line shut off, will be permanently removed on 6/15/24</i>



D. Filter Maintenance Schedule:

The CDWAA requires a filter maintenance schedule. Use this form to track filter maintenance. It is recommended that drinking water filters are to be checked weekly to be sure they are operational, and the green status light is on. Filters/cartridges must be replaced according to manufacturer’s recommendations or if the RED filter status light is showing. Record the date and initials of the person who replaced the filter or cartridge.

Table 5: Filter Maintenance Schedule

Program/School Year: 2024/25

Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
RHS-WC-BWNGCO UNSEL1	LZS8WSSP_single_BFS_w_Q FCW										
RHS-WC-BWNGCO UNSEL2	LZS8WSSP_single_BFS_w_Q FCW										
RHS-WC-BWINGRM 123	LZS8WSSP_single_BFS_w_Q FCW										
RHS-DF-MAINGYM	LZS8WSSP_single_BFS_w_Q FCW										
RHS-BFS-AUXGYM1	LZWSEDFPBM 114K_BFS										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
RHS-DF-AUXGYM2	LZS8WSSP_single_BFS_w_QFCW										
RHS-BFS-POOLHAL L	EZFMK_single_ezH2O_sideaccess_kit										
RHS-BFS-POOL1	LZWESEDFPBM114K_BFS										
RHS-DF-POOL2	LZS8WSSP_single_BFS_w_QFCW										
RHS-DF-POOL3	LZS8WSSP_single_BFS_w_QFCW										
RHS-WC-BWINGAR T	LZS8WSSP_single_BFS_w_QFCW										
RHS-BFS-AUDITORIUM	EZFMTLK_bilevel_ezH2O_sideaccess_kit										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
RHS-WC-BANDROOM	LZSTL8WSSP_bilevel BFS_w_QFCW										
RHS-BFS-BWINGMAINOFC	EZFMK_single_ezH2O_sideaccess_kit										
RHS-BFS-ROOM202	New_Elkay_bubbler_and_EF3000VRBMC										
RHS-BFS-AWINGUPSTRS	EZFMTLK_bilevel_ezH2O_sideaccess_kit										
RHS-WC-BWINGATHLTOFC	LZS8WSSP_single_BFS_w_QFCW										
RHS-WC-ROOM217	LZS8WSSP_single_BFS_w_QFCW										
RHS-WC-INDUSTRMC157	LZS8WSSP_single_BFS_w_QFCW										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
RHS-WC-INDUSTR MC161	LZSTL8WSSP _bilevel BFS_w_QFCW										
RHS-WC-CULINARY	LZS8WSSP_si ngle_BFS_w_Q FCW										



E. Sampling Schedule:

Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet is required by the CDWAA. Proper sampling procedures must be followed. Sampling instructions can be found in the Appendix. Provide all results to EGLE, parents and guardians, staff, and the public upon request.

Results that are greater than 5 ppb (0.005 mg/L or 5 ug/L) SHALL be submitted to EGLE within 30 days of facility receipt of the results to the EGLE School and Child Care Water email EGLE-DWEHD-FilterFirst@michigan.gov and reported to families. Repeat results that are 1-5 ppb (0.001-0.005 mg/L or 1-5 ug/L) SHALL also be submitted to EGLE along with the make/model of filter and/or filter bottle-filling station. Check the result box for the unit reported by the laboratory.

Table 6: Annual Sampling Schedule

Program/School Year: 2024/25

Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>3/1/23</i>	<i>0</i>		
<i>Ex: 2</i>	<i>WE-101 CF</i>	<i>3/1/23</i>	<i>3</i>	<i>4/1/23</i>	<i>0</i>
1	RHS-WC-BWINGRM123				
2	RHS-DF-MAINGYM				
3	RHS-BFS-AUXGYM1				
4	RHS-DF-AUXGYM2				
5	RHS-BFS-POOLHALL				
6	RHS-BFS-POOL1				
7	RHS-DF-POOL2				



Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
8	RHS-DF-POOL3				
9	RHS-WC-BWINGART				
10	RHS-BFS-AUDITORIUM				
11	RHS-WC-BANDROOM				
12	RHS-BFS-BWINGMAINOFC				
13	RHS-BFS-ROOM202				
14	RHS-BFS-AWINGUPSTRS				
15	RHS-WC-BWINGATHLTOFC				
16	RHS-WC-ROOM217				
17	RHS-WC-INDUSTRMC157				
18	RHS-WC-INDUSTRMC161				
19	RHS-WC-CULINARY				



Appendix A: Summary of the Clean Drinking Water Access Act (2023 PA 154)

These are the main regulatory elements of the CDWAA. You can read the Act in its entirety at Michigan.gov/FilterFirst.

1. Drinking Water Management Plan (DWMP)

- A. Within 15 months after the effective date of this act (by January 24, 2025), each school shall develop a drinking water management plan. The DWMP shall:
 - i. Be available upon request to EGLE, staff, parents/guardians, and public.
 - ii. Be reviewed and updated as needed, at least once every 5 years.
 - iii. Specify location of all water outlets used for human consumption.
 1. Specify location of filtered bottle-filling station (1/100 occupants)
 2. Specify location of filtered faucets.
 - iv. Specify location of all water outlets not used for consumption.
 - v. Specify location of water outlets that are shut off or rendered permanently inoperable.
 - vi. Develop a schedule for the regular replacement of the filter/filter cartridges for each filtered bottle-filling station and filtered faucet.
 - vii. Develop a schedule for sampling and testing of the filtered bottle-filling stations and filtered faucets for lead.

2. Testing for Lead

- A. Every filtered water outlet shall be sampled (through the filter) for lead once a year starting from the date filters have been installed and tested at a laboratory certified to analyze for lead.
- B. Laboratory test results shall be available upon request and recommend retaining by the school/district for at least 10 years.
- C. The following actions are to be taken upon review of the annual test results:
 - i. Test results not detecting lead (0 mg/L or 0 ug/L):
 1. Record and file the results.
 2. Share upon request.
 - ii. Test results detecting lead 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 1. Immediately check status of filter(s).
 2. Replace filter/cartridge if status light is yellow or red.



3. Ensure the filter is properly installed.
4. Resample and retest.
5. If re-test result is 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 - a. Send copy of result and the make/model of filter to EGLE.
 - b. Consult with EGLE or filter manufacturer.
- iii. Test results detecting more than 5 ppb (>0.005 mg/L or 5 ug/L):
 1. Immediately shut off or render the water outlet inoperable.
 2. Post a conspicuous sign near the outlet stating it is inoperable because of high lead concentration. Maintain the sign until actions have been taken to reduce the risk.
 3. Replace the filter/cartridge.
 4. Resample and retest the filtered water.
 5. Return the outlet to service if re-test result is not more than 5 ppb of lead.
 - a. If result is 1-5 ppb, follow 2cii above.
 - b. If result is >5 ppb, complete all the following:
 - i. Within 30 days after receiving the test results:
 - 1) Send a copy of test result(s) to EGLE.
 - 2) Send a notice to staff and parents/guardians that includes the amount of lead found in the water and information provided by EGLE on the health effects of lead exposure and ways to reduce childhood lead exposure.
 - ii. Develop a remediation plan in consultation with EGLE. The drinking water management plan must be updated to incorporate the remediation plan.

3. By the end of the 2025-2026 School Year, each school shall:

- A. Have filters on all consumptive fixtures.
- B. Install all filtered bottle-filling stations (1 station per 100 occupants).
- C. Shut off or render permanently inoperable any water outlet providing water for human consumption that is not a filtered bottle-filling station or filtered faucet.
- D. Not install a drinking fountain unless it is a filtered bottle-filling station with a filter status light.
- E. Submit annually a certification of compliance to EGLE that certifies that the school has complied with the requirements of this act (on a form and in a manner prescribed by EGLE).



Appendix B: Water Sampling Guidance & Instructions

1. The CDWAA requires routine sampling at all filtered fixtures every year. Sampling begins as soon as filters are installed to check the functionality of the device and annually thereafter. To ensure sample results represent typical daily use during the school year, do not collect the routine annual sample immediately after replacing the filter cartridge.
2. Develop a unique [Fixture Identification Code](#) for each consumptive fixture per instructions on pages 7-8 above.
3. Obtain 250 ml wide-mouth sample bottles from the laboratory that will be testing the sample(s).
4. Prevent water use in the building for at least 8 hours prior to sample collection.
 - a. Notify all school staff and building users (external groups)
 - b. Post signs or bag fixtures, lock building, lock rooms.
 - c. Do not allow water use during sample collection. That includes flushing toilets, handwashing, and cleaning.
 - d. Do not collect samples or send them to the laboratory if water has been used.
5. Collect the **first draw** of filtered water in a 250 mL sample bottle.
 - a. Do not let the water run before collection.
 - b. Record information and complete all necessary forms:
 - i. Laboratory chain-of-custody form
 - ii. Drinking Water Management Plan (Table 6: Annual Sampling Schedule)
 - c. Each filtered fixture may be sampled on the same day.
6. Samples must be delivered to a drinking water laboratory certified for lead and copper testing for the approved EPA method. A list of certified labs can be found at: [Lead-Copper-Certifications.pdf \(michigan.gov\)](#).
 - a. Get the samples to the laboratory as soon as possible. May be mailed or hand delivered.
 - b. Samples must be received by the laboratory within 14 days of sample collection.

Some labs report the test results in milligrams per liter (mg/L) and some in micrograms per liter (ug/L). Make sure to check the appropriate unit of measure reported by the lab in Table 6 (Annual Sampling Schedule).

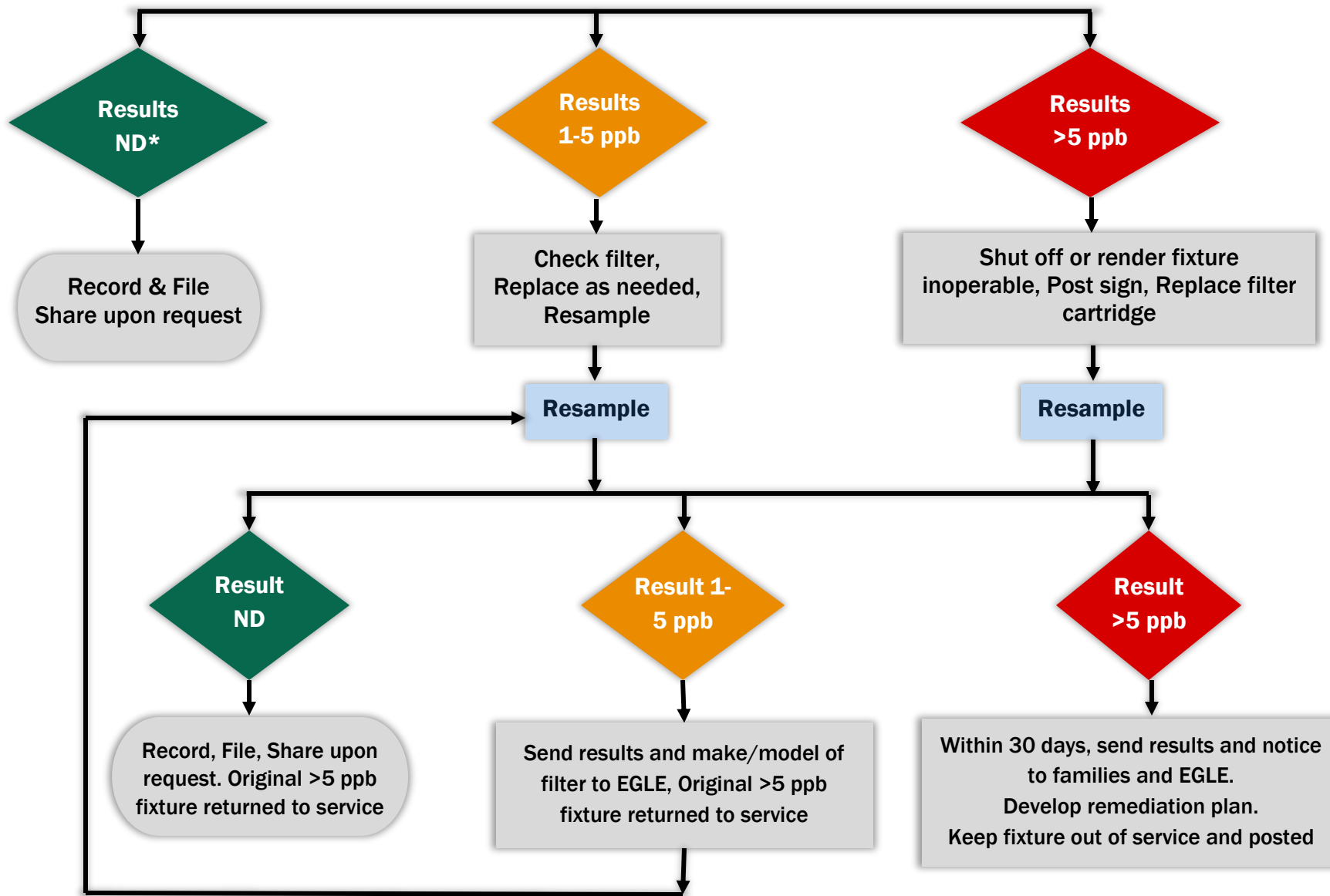


Immediate action is required by law if the test result is greater than 5 ug/L (5 ppb) or 0.005 mg/L (0.005 ppm). **Note:** 5 ug/L is the same as 5 parts per billion (5 ppb).

Results greater than 5 ppb or 0.005 ppm SHALL be submitted EGLE **within 30 days** of facility receipt of the results and notice provided to families, staff, and students.



Annual Sampling and Testing Result Actions



*ND = Not Detected



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY



Clean Drinking Water Access Act

Drinking Water Management Plan for Schools

Roseville Middle School

School Building Name

3295

School Building Code

Roseville Community Schools

School District

Child Care License Number (if one exists within the school building)

Joseph Smith

Responsible Staff Name

Director of Buildings and Grounds

Responsible Staff Title

586-445-5697

Responsible Staff Phone Number

JSmith@Roseville.k12.mi.us

Responsible Staff Email Address

2024/25

School Year Plan Date

January 24, 2025

Update Plan Due-By Date

August

Annual Sampling Month

MI0005820

Public Water System ID (PWSID)*

*A PWSID is how a water supply is identified. A list of PWSIDs is available at Michigan.gov/FilterFirst.



The Michigan Department of Environment, Great Lakes, and Energy (EGLE) has created the Drinking Water Management Plan (DWMP) as a tool to maintain healthy and safe drinking water in the building throughout the year. This document is a template that may be used for the DWMP per the requirements of the Clean Drinking Water Access Act (CDWAA), 2023 PA 154. Schools may use this document or create their own plan, provided it includes all the required elements listed below. Individual forms for each required element may be found at Michigan.gov/FilterFirst.

Retain and utilize the DWMP. The first DWMP must be developed by January 24, 2025, and updated at a minimum of every 5 years per the CDWAA. Upon request, the DWMP shall be made available to EGLE, staff, parents and guardians, and the public.

The DWMP must include the following required elements:

1. The location of each consumptive water outlet (drinking, as a component of a food or beverage, rinsing foods, brushing teeth, making baby formula):
 - a. Location of filtered bottle-filling station (1/100 occupants of the building).
 - b. Location of filtered faucet (kitchens, nurse stations, preschool classrooms, teacher lounges).
2. The location where a water outlet will be maintained for purposes other than described above (nonconsumptive fixtures).
3. The location where a water outlet will be shut off or rendered permanently inoperable.
4. A schedule for when each of the following will occur:
 - a. Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet.
 - b. Regular replacement of the filter cartridge for each filtered bottle-filling station and filtered faucet in compliance with the manufacturer’s instructions or recommendations of EGLE.

Each school shall submit the CDWAA Certification Form that certifies the school has complied with the requirements of the CDWAA to EGLE on an annual basis by August 15. The certification form can be found at Michigan.gov/FilterFirst. All current required documents must be retained by the facility and submitted to EGLE if requested.



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To request this material in an alternate format, contact EGLE-Accessibility@Michigan.gov or 800-662-9278.



General Information

Key Terms:

Bubbler Fixture: A fixture on a drinking water fountain/water cooler through which water is forced up in a small arc from a nozzle that allows an individual to drink from the arc directly.

Consumption Water: Water used for drinking, component of food or beverage, or brushing teeth, rinsing food, and making baby formula.

Department: The Department of Environment, Great Lakes, and Energy (EGLE)

Drinking Fountain: An un-chilled plumbing fixture that is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.

Filtered Bottle-filling Station (also known as Hydration Station): An apparatus that is connected to building plumbing, filters water, is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal, has a light or other device to indicate filter cartridge performance, is designed to fill drinking bottles or other containers used for personal water consumption, and has a bubbler fixture that allows the user to drink directly from a stream of flowing water without the use of any accessory.

Filtered Faucet: A faucet that includes at the point of use a filter that is certified to meet NSF/ANSI standard 53 for lead reduction and NSF/ANSI standard 42 for particulate removal.

First Draw: The first 250 mL sample of water from a fixture after at least an 8-hour stagnation period.

Fund: School and child care center clean drinking water fund created in section 11 of PA 0154.

School: Public or nonpublic as defined in section 5 of the revised school code, 1976 PA 451, MCL 380.5.

Water Cooler: a plumbing fixture that chills the water and is connected to the potable water distribution system and drainage system that allows a user to obtain a drink directly from a stream of flowing water without the use of any accessory.



Acronyms:

- CDWAA**..... Clean Drinking Water Act
- DWMP**.....Drinking Water Management Plan
- EGLE** Michigan Department of Environment, Great Lakes, and Energy
- mg/L**..... Milligrams per liter (lab sample measure, same as one part per million)
- NSF/ANSI 42** National standard for particulate removal
- NSF/ANSI 53** National standard for lead reduction (must specify for lead)
- PN**..... Public Test Result Notification
- POE**..... Point of Entry (location the water enters the building)
- POU**..... Point of Use (the end of a faucet)
- ppb**..... Parts per billion (one part per billion of volume of a water sample)
- ppm**..... Parts per million (one part per million of volume of a water sample)
- PWSID** Public Water System ID (how a water supply is identified)
- µg/L**..... Micrograms per liter (lab sample measure, same as one ppb)

Maintenance Categories:

Preventive Maintenance: Planned and carried out on a regular basis to maintain and keep infrastructure in good condition.

Corrective Maintenance: Replacing or repairing something done incorrectly or needing change for improvement.

Emergency Maintenance: Reaction to a crisis or public complaints normally due to failure, malfunction, or breakdown of plumbing/equipment.

Periodic Maintenance: Infrequent actions needed, for example biannual, once in five years, etc.



Roles and Responsibilities:

List the names of school staff or third-party contractors who play a role or have responsibilities for following and executing the DWMP. May include contacts for filter and bottle fill station manufacturers/distributors.

Person's Name	Title or Company	Phone Number	Email Address	Role or Responsibility
Joe Smith	Director	586-445-5697	JSmith@roseville.k12.mi.us	Execution of the DWMP
Scott Sikorski	Coordinator	586-445-5699	SSikorski@roseville.k12.mi.us	Execution of the DWMP

Comments:



Fixture Identification Code Development Guidelines:

It is important to follow these guidelines to generate a unique fixture identification code (Fixture ID) for each fixture used for consumption to support: quick identification, fixture maintenance, sampling, matching test results to the sample, and reporting to EGLE when necessary (Note: adhering to this coding system now will save time in the future when reporting to EGLE’s on-line electronic data collection system, will promote consistency, and reduce sample confusion).

The following table lists the fixture type codes that are used for compliance sampling and reporting purposes to EGLE.

Table 1: Fixture Type Codes

Code	Fixture Type
<i>B</i>	Bubbler outlet on the bottle fill unit (hydration station)
<i>BF</i>	Bottle fill outlet
<i>CF</i>	Classroom faucet
<i>DF</i>	Drinking Fountain
<i>IM</i>	Ice machine
<i>KF</i>	Kitchen faucet
<i>KK</i>	Kitchen kettle-fill
<i>NS</i>	Nurses sink faucet
<i>OT</i>	Other faucet used for consumption (in a break room, office, library, etc.)
<i>RF</i>	Restroom faucet (used for consumption)
<i>SC</i>	Service Connection (Tap closest to the service line)
<i>TL</i>	Teachers’ lounge faucet
<i>WC</i>	Water Cooler (plug-in chiller unit/ refrigerated unit)



Generating the fixture identification code:

The Fixture ID should be long enough to identify the building, location, and fixture type, but not too long that the laboratory reporting cuts off some of the code (maximum of 20 for State Laboratory reports). The Fixture ID is created as follows:

1. The Fixture ID code starts with 2-3 letters for the building name.
 - a. Example: West Elementary = WE
 - b. Example: Wilson High School = WHS
2. The middle part of the Fixture ID code is the location.
 - a. Example: Room 110 = 110
 - b. Example: West wall of the Gym = WGym
 - c. Example: East wall of the Gym = EGym
 - d. Example: Second floor hallway by room 201 = 2FH201 or 201HALL
3. The last part of the Fixture ID code is the fixture type found on Table 1 above. Adhering to these codes is needed for reporting consistency and statistical analysis.

If following the EGLE coding system, dashes in between the three sections must be used.

Below are examples of complete Fixture ID codes for some fixtures in one building:

- | | | |
|---------------|-----------------|--------------|
| 1. WE-110-CF | 4. WE-2FH201-BF | 7. WE-KIT-IM |
| 2. WE-WGYM-BF | 5. WE-2FH201-WC | 8. WE-150-TL |
| 3. WE-WGYM-WC | 6. WE-KIT-KF | 9. WE-100-NS |

Example for bottle-filling stations (include a bottle-filling outlet and bubbler outlet)

1. WE-BF1-BF (bottle fill) and
2. WE-BF1-WC (bubbler outlet of unit)
3. WEC-BF1WC-WC (the bubbler outlet of an ADA compliant cooler next to the station).

If you have multiple bottle-filling units in the building halls, the middle part of the code can designate the unit number, starting with the unit closest to the water point of entry into the building. Exact location will be recorded on the inventory list and may also be located on a floor plan/map.

1. WE-BF1-BF and WE-BF1-WC
2. WE-BF2-BF and WE-BF2-WC
3. WE-BF3-BF and WE-BF3-WC
4. WE-BF4-BF and WE-BF4-WC and WE-BF4WC-WC (for the ADA water cooler next to the bottle-filling unit).



Forms (retain until updated or 5-year revision – submit only if requested by EGLE)

Separate inventory sheets can be found at Michigan.gov/SchoolWater.

A. Consumptive Fixture Inventory:

The CDWAA requires every consumptive fixture in a building to be identified and location recorded. The category of each consumptive fixture should be specified as a filtered bottle-filling station or filtered faucet. “Number” is the order of sampling starting at the fixture closest to the water POE into the building. List here, include additional pages if needed, update as needed and keep a copy for your records.

Table 2: Filtered Fixture Inventory

Program/School Year: 2024/25

Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>Preschool room 100</i>	<i>ABC FM-2000B</i>	<i>Filtered faucet</i>
<i>Ex: 2</i>	<i>WE-203H-BF</i>	<i>2nd floor hall by room 203</i>	<i>XYZ FM-2000A</i>	<i>Filtered bottle-filling station</i>
<i>Ex: 3</i>	<i>WE-203-WC</i>	<i>2nd floor hall by room 203</i>	<i>XYC FM-2000A</i>	<i>Filtered bottle-filling station</i>
1	RMS-BFS-CWING	C wing	K_SINGLE	Bottle Fill
2	RMS-WC-UPPERAWNG1	Upper a wing #1	HT_SINGLE	Water Cooler
3	RMS-WC-UPPERAWNG2	Upper a wing #2	HT_SINGLE	Water Cooler
4	RMS-WC-LOWERAWNG1	Lower a wing #1	HT_SINGLE	Water Cooler
5	RMS-WC-LOWERAWNG2	Lower a wing #2	HT_SINGLE	Water Cooler
6	RMS-DF-LOWERB1	Lower b #1	SS_SINGLE	Drinking Fountain
7	RMS-WC-SIDEAUDITORM	Side auditorium	HT_BILEVEL	Water Cooler
8	RMS-WC-FRNTAUDITRM1	Front auditorium #1	K_SINGLE	Water Cooler
9	RMS-WC-FRNTAUDITRM2	Front auditorium #2	K_SINGLE	Water Cooler



Number	Fixture ID Code	Fixture Location	Filter Brand & Model #	Category of Fixture
10	RMS-BFS-UPPERCWING1	Upper c wing #1	K_SINGLE	Bottle Fill
11	RMS-WC-UPPERCWING2	Upper c wing #2	HT_SINGLE	Water Cooler
12	RMS-BFS-GYM	Gym	K_BILEVEL	Bottle Fill
13	RMS-WC-GAMEROOM	Game room	K_SINGLE	Water Cooler



B. Non-Consumptive Fixture Inventory:

The CDWAA requires every non-consumptive fixture in a building to be identified and recorded. Specify the location where a water outlet will be maintained for purposes other than drinking or addition to food or beverages. “Number” is the order of fixtures starting with the fixture closest to the water POE into the building. Include additional pages if needed, update as needed and keep a copy for your records. Note: Nonconsumptive fixtures in a kitchen are those for hand or dish washing and not water used as an addition to a food for food preparation.

Table 3 : Non-Consumptive Fixture Inventory

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
<i>Ex: 1</i>	<i>Hand sink faucet in classroom 203 (handwashing only sign posted)</i>
1	BATHROOMS (23)
2	BOYS LOCKER ROOM GYM BATHROOM W/SINK
3	GIRLS LOCKER ROOM GYM BATHROOM W/SINK
4	CONCESSION CAFÉ – SINK
5	KITCHEN SINK + BATHROOM W/SINK
6	D135 SINKS (3)
7	D140 SINK
8	D137 SINK
9	TEACHER LOUNGE SINK
10	C123 SINKS (2)
11	B115 SINKS (5)



Number	Fixture Location (room # or description)
12	B113 SINKS (4)
13	AUDITORIUM 1 DRESSING ROOM SINK + BATHROOM W/SINK
14	AUDITORIUM 2 DRESSING ROOM SINK
15	AUDITORIUM 3 DRESSING ROOM SINK + BATHROOM W/SINK
16	A109 SINKS (5)
17	A107 SINKS (5)
18	B221 SINKS (10)
19	B219 SINKS (10)



C. Inoperable Fixture Inventory:

The CDWAA requires a list of the location(s) where a water outlet is shut off or rendered permanently inoperable.

Table 5: Fixture Not in Use

Program/School Year: 2024/25

Number	Fixture Location (room # or description)
<i>Ex: 1</i>	<i>Bubbler in classroom 123 – water line shut off, will be permanently removed on 6/15/24</i>



D. Filter Maintenance Schedule:

The CDWAA requires a filter maintenance schedule. Use this form to track filter maintenance. It is recommended that drinking water filters are to be checked weekly to be sure they are operational, and the green status light is on. Filters/cartridges must be replaced according to manufacturer’s recommendations or if the RED filter status light is showing. Record the date and initials of the person who replaced the filter or cartridge.

Table 5: Filter Maintenance Schedule

Program/School Year: 2024/25

Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
RMS-BFS-CWING	EZFMK_single_ezH2O_sideaccess_kit										
RMS-WC-UPPERAW NG1	LZS8WSSP_single_BFS_w_Q FCW										
RMS-WC-UPPERAW NG2	LZS8WSSP_single_BFS_w_Q FCW										
RMS-WC-LOWERA WNG1	LZS8WSSP_single_BFS_w_Q FCW										
RMS-WC-LOWERA WNG2	LZS8WSSP_single_BFS_w_Q FCW										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
RMS-DF-LOWERB1	LZS8WSSP_single_BFS_w_QFCW										
RMS-WC-SIDEAUDI TORM	LZSTL8WSSP_bilevel BFS_w_QFCW										
RMS-WC-FRNTAUDI TRM1	LZS8WSSP_single_BFS_w_QFCW										
RMS-WC-FRNTAUDI TRM2	LZS8WSSP_single_BFS_w_QFCW										
RMS-BFS-UPPERCW ING1	Contact_Balfr ey_Johnston										
RMS-WC-UPPERCW ING2	LZS8WSSP_single_BFS_w_QFCW										
RMS-BFS-GYM	Contact_Balfr ey_Johnston										



Fixture ID Code	Filter Cartridge Model	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials	Filter or Cartridge Replace Date	Initials
RMS-WC-GAMEROOM	LZS8WSSP_single_BFS_w_QFCW										



E. Sampling Schedule:

Annual water sampling and testing of the filtered water at each filtered bottle-filling station and filtered faucet is required by the CDWAA. Proper sampling procedures must be followed. Sampling instructions can be found in the Appendix. Provide all results to EGLE, parents and guardians, staff, and the public upon request.

Results that are greater than 5 ppb (0.005 mg/L or 5 ug/L) SHALL be submitted to EGLE within 30 days of facility receipt of the results to the EGLE School and Child Care Water email EGLE-DWEHD-FilterFirst@michigan.gov and reported to families. Repeat results that are 1-5 ppb (0.001-0.005 mg/L or 1-5 ug/L) SHALL also be submitted to EGLE along with the make/model of filter and/or filter bottle-filling station. Check the result box for the unit reported by the laboratory.

Table 6: Annual Sampling Schedule

Program/School Year: 2024/25

Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
<i>Ex: 1</i>	<i>WE-100-CF</i>	<i>3/1/23</i>	<i>0</i>		
<i>Ex: 2</i>	<i>WE-101 CF</i>	<i>3/1/23</i>	<i>3</i>	<i>4/1/23</i>	<i>0</i>
1	RMS-BFS-CWING				
2	RMS-WC-UPPERAWNG1				
3	RMS-WC-UPPERAWNG2				
4	RMS-WC-LOWERAWNG1				
5	RMS-WC-LOWERAWNG2				
6	RMS-DF-LOWERB1				
7	RMS-WC-SIDEAUDITORM				



Number	Fixture ID Code	Date Sampled	Sample Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L	Repeat Sample Date (if needed)	Repeat Result <input type="checkbox"/> mg/L or <input type="checkbox"/> ug/L
8	RMS-WC-FRNTAUDITRM1				
9	RMS-WC-FRNTAUDITRM2				
10	RMS-BFS-UPPERCWING1				
11	RMS-WC-UPPERCWING2				
12	RMS-BFS-GYM				
13	RMS-WC-GAMEROOM				



Appendix A: Summary of the Clean Drinking Water Access Act (2023 PA 154)

These are the main regulatory elements of the CDWAA. You can read the Act in its entirety at Michigan.gov/FilterFirst.

1. Drinking Water Management Plan (DWMP)

- A. Within 15 months after the effective date of this act (by January 24, 2025), each school shall develop a drinking water management plan. The DWMP shall:
 - i. Be available upon request to EGLE, staff, parents/guardians, and public.
 - ii. Be reviewed and updated as needed, at least once every 5 years.
 - iii. Specify location of all water outlets used for human consumption.
 1. Specify location of filtered bottle-filling station (1/100 occupants)
 2. Specify location of filtered faucets.
 - iv. Specify location of all water outlets not used for consumption.
 - v. Specify location of water outlets that are shut off or rendered permanently inoperable.
 - vi. Develop a schedule for the regular replacement of the filter/filter cartridges for each filtered bottle-filling station and filtered faucet.
 - vii. Develop a schedule for sampling and testing of the filtered bottle-filling stations and filtered faucets for lead.

2. Testing for Lead

- A. Every filtered water outlet shall be sampled (through the filter) for lead once a year starting from the date filters have been installed and tested at a laboratory certified to analyze for lead.
- B. Laboratory test results shall be available upon request and recommend retaining by the school/district for at least 10 years.
- C. The following actions are to be taken upon review of the annual test results:
 - i. Test results not detecting lead (0 mg/L or 0 ug/L):
 1. Record and file the results.
 2. Share upon request.
 - ii. Test results detecting lead 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 1. Immediately check status of filter(s).
 2. Replace filter/cartridge if status light is yellow or red.



3. Ensure the filter is properly installed.
4. Resample and retest.
5. If re-test result is 1-5 ppb (0.001 - 0.005 mg/L or 1-5 ug/L):
 - a. Send copy of result and the make/model of filter to EGLE.
 - b. Consult with EGLE or filter manufacturer.
- iii. Test results detecting more than 5 ppb (>0.005 mg/L or 5 ug/L):
 1. Immediately shut off or render the water outlet inoperable.
 2. Post a conspicuous sign near the outlet stating it is inoperable because of high lead concentration. Maintain the sign until actions have been taken to reduce the risk.
 3. Replace the filter/cartridge.
 4. Resample and retest the filtered water.
 5. Return the outlet to service if re-test result is not more than 5 ppb of lead.
 - a. If result is 1-5 ppb, follow 2cii above.
 - b. If result is >5 ppb, complete all the following:
 - i. Within 30 days after receiving the test results:
 - 1) Send a copy of test result(s) to EGLE.
 - 2) Send a notice to staff and parents/guardians that includes the amount of lead found in the water and information provided by EGLE on the health effects of lead exposure and ways to reduce childhood lead exposure.
 - ii. Develop a remediation plan in consultation with EGLE. The drinking water management plan must be updated to incorporate the remediation plan.

3. By the end of the 2025-2026 School Year, each school shall:

- A. Have filters on all consumptive fixtures.
- B. Install all filtered bottle-filling stations (1 station per 100 occupants).
- C. Shut off or render permanently inoperable any water outlet providing water for human consumption that is not a filtered bottle-filling station or filtered faucet.
- D. Not install a drinking fountain unless it is a filtered bottle-filling station with a filter status light.
- E. Submit annually a certification of compliance to EGLE that certifies that the school has complied with the requirements of this act (on a form and in a manner prescribed by EGLE).



Appendix B: Water Sampling Guidance & Instructions

1. The CDWAA requires routine sampling at all filtered fixtures every year. Sampling begins as soon as filters are installed to check the functionality of the device and annually thereafter. To ensure sample results represent typical daily use during the school year, do not collect the routine annual sample immediately after replacing the filter cartridge.
2. Develop a unique [Fixture Identification Code](#) for each consumptive fixture per instructions on pages 7-8 above.
3. Obtain 250 ml wide-mouth sample bottles from the laboratory that will be testing the sample(s).
4. Prevent water use in the building for at least 8 hours prior to sample collection.
 - a. Notify all school staff and building users (external groups)
 - b. Post signs or bag fixtures, lock building, lock rooms.
 - c. Do not allow water use during sample collection. That includes flushing toilets, handwashing, and cleaning.
 - d. Do not collect samples or send them to the laboratory if water has been used.
5. Collect the **first draw** of filtered water in a 250 mL sample bottle.
 - a. Do not let the water run before collection.
 - b. Record information and complete all necessary forms:
 - i. Laboratory chain-of-custody form
 - ii. Drinking Water Management Plan (Table 6: Annual Sampling Schedule)
 - c. Each filtered fixture may be sampled on the same day.
6. Samples must be delivered to a drinking water laboratory certified for lead and copper testing for the approved EPA method. A list of certified labs can be found at: [Lead-Copper-Certifications.pdf \(michigan.gov\)](#).
 - a. Get the samples to the laboratory as soon as possible. May be mailed or hand delivered.
 - b. Samples must be received by the laboratory within 14 days of sample collection.

Some labs report the test results in milligrams per liter (mg/L) and some in micrograms per liter (ug/L). Make sure to check the appropriate unit of measure reported by the lab in Table 6 (Annual Sampling Schedule).

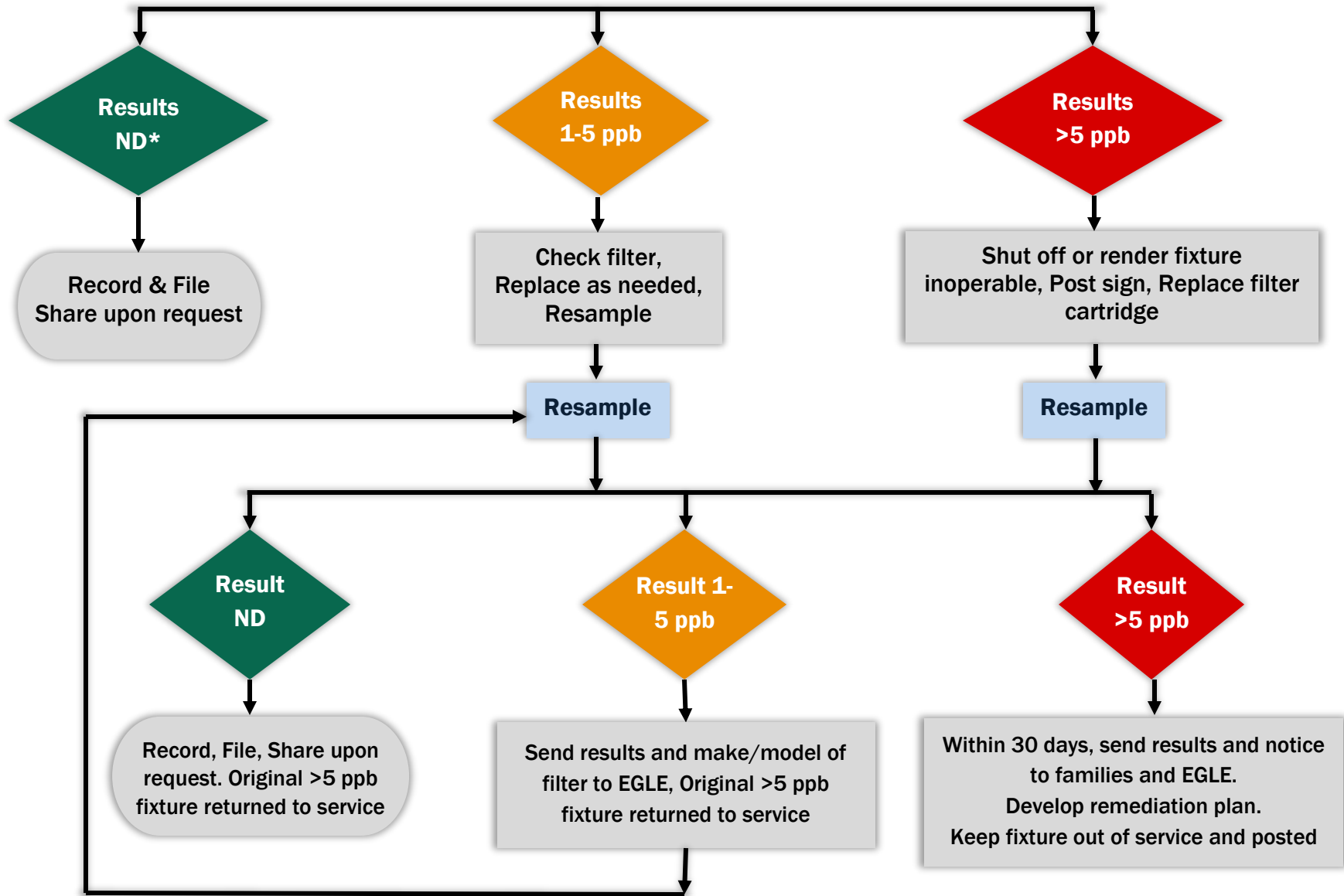


Immediate action is required by law if the test result is greater than 5 ug/L (5 ppb) or 0.005 mg/L (0.005 ppm). **Note:** 5 ug/L is the same as 5 parts per billion (5 ppb).

Results greater than 5 ppb or 0.005 ppm SHALL be submitted EGLE **within 30 days** of facility receipt of the results and notice provided to families, staff, and students.



Annual Sampling and Testing Result Actions



*ND = Not Detected