

# SENATE BILL NO. 504

August 14, 2025, Introduced by Senators POLEHANKI, CHANG, IRWIN, MCMORROW, BAYER, CAVANAGH, CAMILLERI and SHINK and referred to Committee on Natural Resources and Agriculture.

A bill to amend 1976 PA 399, entitled  
"Safe drinking water act,"  
by amending section 5 (MCL 325.1005), as amended by 1998 PA 56, and  
by adding section 6a.

## THE PEOPLE OF THE STATE OF MICHIGAN ENACT:

1       Sec. 5. (1) The department shall promulgate and enforce rules  
2       to carry out this act ~~pursuant to~~ **in accordance with** the  
3       administrative procedures act of 1969, 1969 PA 306, MCL 24.201 to  
4       24.328. The rules, at a minimum, ~~shall~~ **must** include the following:

1 (a) Requirements for the submission of reports, plans, and  
2 specifications for the design and construction of **all or a part of**  
3 a waterworks system, ~~or a part thereof,~~ and a plan for operating  
4 and maintaining all or a part of ~~the~~**a** waterworks system, including  
5 the protection of water quality within the distribution system as  
6 necessary to protect the public health.

7 (b) State drinking water standards and associated monitoring  
8 requirements, the attainment and maintenance of which are necessary  
9 to protect the public health.

10 (c) The classification of **all or a part of a** waterworks  
11 ~~systems or portions thereof,~~**system,** the examination for  
12 certification of the operators of ~~these~~**waterworks** systems  
13 including shift operators of water treatment systems, and for the  
14 issuance, suspension, and revocation of certificates.

15 (d) Criteria for capacity assessments performed by the  
16 department at community supplies, nontransient noncommunity water  
17 supplies, or a public water supply applying to the department for  
18 assistance under part 54 of the natural resources and environmental  
19 protection act, 1994 PA 451, MCL 324.5401 to 324.5418.

20 (e) Requirements for provision of facilities by public water  
21 supplies that will ~~assure~~**ensure** an adequate and reliable supply of  
22 drinking water on a continuous basis.

23 **(f) Requirements for the establishment and administration of**  
24 **the microplastics program created in section 6a.**

25 (2) Rules governing public water supplies promulgated under  
26 former 1913 PA 98 ~~, and which~~**that** were in effect on January 4,  
27 1977 are continued in accordance with section 31 of the  
28 administrative procedures act of 1969, 1969 PA 306, MCL 24.231, and  
29 may be amended or rescinded by the director under this act.

1           (3) No rule promulgated may require the addition of any  
2 substance for preventive health care purposes unrelated to  
3 contamination of drinking water.

4           **Sec. 6a. (1) Beginning July 1, 2027, and continuing until July**  
5 **1, 2030, the department shall establish and administer a**  
6 **microplastics program to establish microplastic baseline conditions**  
7 **in public water supplies. As part of the microplastics program, the**  
8 **department shall monitor and test public water supplies on a**  
9 **quarterly basis using sampling and analytical methods consistent**  
10 **with methods used or described by the International Joint**  
11 **Commission, the American Society for Testing and Materials, the**  
12 **United States Environmental Protection Agency, the American**  
13 **National Standards Institute, the state of California, or best**  
14 **available methods or technology. The microplastics program is**  
15 **intended to provide for a preliminary risk assessment to study the**  
16 **effects of microplastics in drinking water. Under the microplastics**  
17 **program, the department shall consider all of the following:**

18           (a) Shoreline surface water drinking water sources from the  
19 Great Lakes.

20           (b) Major tributaries that support public water supplies.

21           (c) Inland surface water lakes that provide drinking water.

22           (d) Direct use of groundwater for drinking water within and  
23 near agricultural operations.

24           (e) Use of groundwater or drinking water within 1 mile of a  
25 landfill operation.

26           (f) The size of the public water supply.

27           (g) Impacts on environmental justice.

28           (h) Quarterly sample collection and analysis.

29           (2) Not later than July 1, 2031, the department shall prepare

1 and submit a report to the standing committees and the  
2 appropriations subcommittees of the senate and house of  
3 representatives with primary responsibility for issues under the  
4 jurisdiction of the department and make the report available on the  
5 department's website. The report must include the following:

6 (a) A summary of findings, including, but not limited to, all  
7 of the following:

8 (i) Reports or technical memoranda that provide a summary of  
9 each quarterly test described under subsection (1), including, but  
10 not limited to, the following information:

11 (A) Drinking water source, location, and description.

12 (B) Sampling date.

13 (C) Testing methodology.

14 (D) Microplastic shape, if available.

15 (E) Potential microplastic sources.

16 (F) Polymer type, if available.

17 (ii) The quantities of microplastics in public water supplies,  
18 including the quantities in the water source that supplies the  
19 public water supply.

20 (b) Recommendations for next steps for addressing the effects  
21 and presence of microplastics in public water supplies, including,  
22 but not limited to, the following:

23 (i) The toxicity limit of microplastics based on best  
24 available, peer-reviewed research or toxicity studies and findings  
25 of the United States Environmental Protection Agency.

26 (ii) A preliminary risk assessment.

27 (iii) An overview of findings and critical issues.

28 (iv) Recommendations for continued and expanded monitoring and  
29 analysis and public protection.

(3) As used in this section:

(a) "Microplastics" means a solid plastic material that has at least 3 dimensions, measures less than 5 millimeters in size, and may contain chemical additives or other substances. Microplastics do not include naturally occurring, non-chemically modified polymers.

(b) "Plastic" means synthetic material composed of organic polymers produced by linking monomers through a chemical reaction and may include chemical additives or other substances. Plastic does not include naturally occurring, non-chemically modified polymers.