

---

**SUBSTITUTE HOUSE BILL 1747**

---

**State of Washington**

**66th Legislature**

**2019 Regular Session**

**By** House Local Government (originally sponsored by Representatives Doglio, Gregerson, Jinkins, and Dolan)

READ FIRST TIME 02/22/19.

1 AN ACT Relating to risk-based water quality standards for on-site  
2 nonpotable water systems; and adding a new section to chapter 90.46  
3 RCW.

4 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF WASHINGTON:

5 NEW SECTION. **Sec. 1.** A new section is added to chapter 90.46  
6 RCW to read as follows:

7 (1)(a) By July 1, 2021, the department of health, in consultation  
8 with the Washington state building code council and the Washington  
9 state association of plumbers and pipefitters who participate in the  
10 development of the Uniform Plumbing Code under chapter 19.27 RCW,  
11 shall adopt rules for:

12 (i) Risk-based water quality standards for the on-site treatment  
13 and reuse of nonpotable alternative water sources for nonpotable end  
14 uses in multifamily residential, commercial, and mixed-use buildings,  
15 and district-scale projects, including a mix of multifamily  
16 residential, commercial, and mixed-use buildings; and

17 (ii) Construction standards to adopt the risk-based framework  
18 water quality standards.

19 (b) The department of health must ensure that rules adopted under  
20 this subsection take effect December 31, 2021.

1 (2) At a minimum, the rules required under subsection (1) of this  
2 section must address the following:

3 (a) Risk-based log reduction targets for the removal of  
4 pathogens, such as enteric viruses, parasitic protozoa, and enteric  
5 bacteria for alternative water sources, including wastewater from all  
6 domestic fixtures, gray water, rainwater, and stormwater for  
7 nonpotable end uses such as toilet and urinal supply water, clothes  
8 washing, irrigation, and dust suppression;

9 (b) Treatment and performance requirements;

10 (c) Water quality monitoring requirements;

11 (d) Reporting requirements for the treatment, performance, and  
12 water quality monitoring results;

13 (e) Notification and public information requirements;

14 (f) Cross-connection controls; and

15 (g) Permitting.

16 (3) (a) An on-site treated nonpotable water system in operation  
17 before January 1, 2021, must comply with the rules established  
18 pursuant to subsection (1) of this section by January 1, 2023.

19 (b) If a permitting local jurisdiction finds that the permittee  
20 is working to come into compliance with the rules adopted under  
21 subsection (1) of this section, but due to extenuating circumstances  
22 related to the engineering, repair, or replacement of the system a  
23 further extension is warranted, the local jurisdiction may grant an  
24 extension to comply with the rules. The extension may not exceed  
25 January 1, 2025.

26 (4) The Washington department of health may consult or contract  
27 with other public or private entities, including but not limited to  
28 the state building code council and the department of ecology for  
29 advice on state building code language, water rights, water quality,  
30 and other technical matters relating to adoption of the risk-based  
31 water quality standards pursuant to subsection (1) of this section.

32 (5) For the purposes of this section, "local jurisdiction"  
33 includes a county, city, or town.

--- END ---