



PUBLIC HEALTH DIVISION
Center for Health Protection, Drinking Water Services
Kate Brown, Governor

Oregon
Health
Authority

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May 19, 2017

Michael Stuhr, PE, Administrator
Portland Water Bureau
1120 SW 5th Street, Rm 600
Portland, OR 97204-1926

Dear Mr. Stuhr:

Please see the attached revocation Order regarding the Portland Water Bureau's *Cryptosporidium* treatment variance. We look forward to working with you on this important matter.

If you have any questions regarding the Order, please don't hesitate to contact me at 971-673-0403 or David Emme, Manager of Drinking Water Services at 971-673-0415.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jere High".

Jere High, ND, Administrator
Center for Health Protection
OHA Public Health Division

Cc: David Emme, Manager, Drinking Water Services, OHA
Dan Opalski, Region 10 Environmental Protection Agency
Ed Kowalski, Region 10 Environmental Protection Agency
Marie Jennings, Region 10 Environmental Protection Agency

**OREGON HEALTH AUTHORITY
PUBLIC HEALTH DIVISION
CENTER FOR HEALTH PROTECTION
DRINKING WATER PROGRAM**

<p>In the Matter of:</p> <p>Portland Water Bureau's Variance under 42 USC § 300g-4(a)(1)(B)</p>	<p>Order Revoking Variance; Delayed Revocation Date</p>
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In 2006, the US Environmental Protection Agency finalized its Long-Term 2 Enhanced Surface Water Treatment Rule (LT2). The LT2 rule required unfiltered water systems subject to federal regulation that have no current treatment for *Cryptosporidium*¹ to: 1) treat its source water for *Cryptosporidium*; and 2) use at least two disinfectants.² However, the Safe Drinking Water Act (SDWA)³ permitted a State to grant a variance from a specified treatment technique if the water system demonstrated “to the satisfaction of the State that such treatment technique is not necessary to protect the health of persons because of the nature of the raw water source of such system.”⁴ Similarly, under state law OHA “may grant a variance from standards requiring the use of a specified water treatment technique if the authority * * * [d]etermines that the use of a specified water treatment technique is not necessary to protect the public health based on the nature of the raw water source for a public water system.”⁵

On June 7, 2011, the Oregon Health Authority (OHA), Public Health Division, Center for Health Protection, Drinking Water Program received a variance request from Portland Water Bureau (PWB)⁶. Specifically, PWB requested a variance from the *Cryptosporidium* treatment requirements in 40 CFR 141.712(b), (c), and (d), and OAR 333-061-0032(3)(e) through (g). In its request PWB asserted that because of the nature of the Bull Run watershed, its raw water source, treatment at the source for *Cryptosporidium* is unnecessary.

On March 14, 2012, after a thorough review of the facts and the data supporting PWB’s request for a variance, and other information gathered by OHA, OHA issued a Final Order (“variance order”) granting PWB’s request for a variance from the treatment requirements for *Cryptosporidium*. In its variance order OHA concluded that PWB had demonstrated to its satisfaction that treatment for *Cryptosporidium* at the Bull Run watershed intake was not necessary to protect public health because of the nature of the raw water source. However, OHA imposed various conditions, including ongoing water monitoring for *Cryptosporidium*, and increased water monitoring if *Cryptosporidium* was detected in any water sample.

¹ See Final Order on the variance, dated March 14, 2012, paragraphs 9 to 25, for information about a *Cryptosporidium*.

² 40 CFR § 141.712.

³ Section 1415(a)(1)(B), (42 USC § 300g-4(a)(1)(B)).

⁴ 42 USC § 300g-4(a)(1)(B).

⁵ ORS 448.135(2)(a).

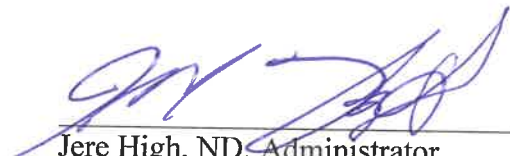
⁶ PWB requested the variance under Section 1415(a)(1)(B) of the SDWA, 42 USC § 300g-4(a)(1)(B), and ORS 448.135(2).

For purposes of establishing a compliance schedule and interim control measures PWB must, on or before August 11, 2017, submit to OHA, the following:

1. A description of which treatment technology PWB intends to pursue for compliance with the 2-log *Cryptosporidium* treatment requirement.
2. A detailed proposed schedule of when the treatment will be in place, with a schedule that indicates treatment will be in place as soon as practicably possible. Specific dates must be included for plan submittal for review and approval, and must identify when water that fully meets all requirements will be served to the public.
3. Measures PWB intends to take to reduce the risk of the public's exposure to *Cryptosporidium* until such a time as treatment is in place, that are at least as protective as the applicable conditions in the variance order.
4. A proposed sampling schedule for *Cryptosporidium* at the intake until adequate treatment is in place.

IT IS SO ORDERED.

Dated this 19th day of May, 2017



Jere High, ND, Administrator
Center for Health Protection
Public Health Division, Oregon Health Authority